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In cooperation with United States Department of Interior, Bureau of Land Management; and University of Nevada Agricultural Experiment Station

Soil Survey of Nye County, Nevada, Northwest Part

Part II

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Soil Survey of
Nye County, Nevada, Northwest Part

This soil survey is an inventory and evaluation of the soils in the survey area. It can be used to adjust land uses to the limitations and potentials of natural resources and the environment. Also, it can help to prevent soil-related failures in land uses.

In preparing a soil survey, soil scientists, conservationists, engineers, and others collect extensive field data about the nature and behavioral characteristics of the soils. They collect data on erosion, droughtiness, flooding, and other factors that affect various soil uses and management. Field experience and collected data on soil properties and performance are used as a basis in predicting soil behavior.

Information in this section can be used to plan the use and management of soils for crops and pasture; as rangeland and woodland; as sites for buildings, sanitary facilities, highways and other transportation systems, and parks and other recreational facilities; and for wildlife habitat. It can be used to identify the potentials and limitations of each soil for specific land uses and to help prevent construction failures caused by unfavorable soil properties.

Interpretative ratings help engineers, planners, and others understand how soil properties influence important nonagricultural uses, such as building site development and construction materials. The ratings indicate the most restrictive soil features affecting the suitability of the soils for these uses.

Soils are rated in their natural state. No unusual modification of the soil site or material is made other than that which is considered normal practice for the rated use. Even though soils may have limitations, it is important to remember that engineers and others can modify soil features or can design or adjust the plans for a structure to compensate for most of the limitations. Many of these practices, however, are costly. The final decision in selecting a site for a particular use generally involves weighing the costs of site preparation and maintenance.

Planners and others using soil survey information can evaluate the effect of specific land uses on productivity and on the environment in all or part of the survey area. The survey can help planners maintain or create a land use pattern in harmony with the natural soil.

Contractors can use this survey to locate sources of sand and gravel, roadfill, and topsoil. They can use it to identify areas where bedrock, wetness, or very firm soil layers can cause difficulty in excavation.

Health officials, highway officials, engineers, and others may also find this survey useful. The survey can help them plan the safe disposal of wastes and locate sites for pavements, sidewalks, campgrounds, playgrounds, lawns, trees, and shrubs.

Crops and Pasture

General management needed for crops and pasture is suggested in this section. The system of land capability classification used by the Natural Resources Conservation Service is explained. The estimated yields of the main crops and pasture plants are listed for each soil in table 6, "Land Capability and Yields Per Acre of Crops."

Planners of management systems for individual fields or farms should consider the detailed information given in the description of each soil under the heading "Detailed Soil Map Units" in Part I of this Publication and in the "Soil Properties" portion of Part II. Specific information can be obtained from the local office of the Natural Resources Conservation Service or Cooperative Extension.

Cropland Limitations and Hazards

The management concerns affecting the use of the detailed soil map units in this survey area are shown in table 5, "Cropland Limitations and Hazards." The main concerns in managing irrigated cropland are efficient water use, control of soil blowing and water erosion, maintenance of soil fertility, pest and weed control, and timely planting and harvesting.

Efficient water use consists primarily of optimizing the water intake rate and reducing the runoff and evaporation rates. An irrigation system that provides optimum control and distribution of water is essential. Excessive irrigation wastes water, causes erosion, leaches plant nutrients, and increases the potential for ground-water pollution. It also can create drainage problems, raise the water table, and increase soil salinity. Applying conservation tillage and conservation crop rotation, farming on the contour, stripcropping, establishing field windbreaks, and leaving crop residue on the surface conserve moisture.

Generally, a combination of several practices is needed to control *soil blowing* and *water erosion*. Conservation crop rotation, stripcropping, field windbreaks, tall grass barriers, contour farming, residue management, diversions, and grassed waterways help to prevent excessive soil loss.

Measures that are effective in maintaining *soil fertility* include applying fertilizer, both organic and inorganic, including manure; incorporating crop residue or green manure crops into the soil; and using proper crop rotations. Controlling erosion helps to prevent the loss of organic matter and plant nutrients and thus helps to maintain productivity, although the level of fertility can be reduced even in areas where erosion is controlled. All soils used for irrigated crops respond well to applications of fertilizer.

Some of the limitations and hazards shown in the table cannot be easily overcome. These are *channels, flooding, depth to rock, ponding,* and *gullies*.

Additional limitations and hazards are as follows:

Excessive permeability.--This limitation allows deep leaching of nutrients and pesticides. The capacity of the soil to retain moisture for plant use is poor.

Potential for ground-water pollution pollution.--This is a hazard in soils with excessive permeability, hard bedrock, or a water table within the profile.

Lime content, poor tilth, restricted permeability, and *surface crusting*.--These limitations can be overcome by incorporating green manure crops, manure, or crop residue into the soil; applying a system of conservation tillage; and using conservation cropping systems. Also, crops may respond well to additions of phosphate fertilizer to soils that have a high content of lime. Applications of sulfur may be useful in minimizing crusting.

Short frost-free season.--If the growing season is less than 90 days, short-season crops or grasses should be grown.

Surface rock fragments.--This limitation causes rapid wear of tillage equipment. It cannot be easily overcome.

Slope.--Where the slope is more than 8 percent, water erosion may be accelerated unless conservation farming practices are applied.

Surface stones.--Stones or boulders on the surface can hinder normal tillage unless they are removed.

Salt and sodium content.--In areas where this is a limitation, only salt- and sodium-tolerant crops should be grown.

Following is an explanation of the criteria used to determine the limitations or hazards.

Channeled.--The word "channeled" is included in the name of the map unit.

Depth to rock.--Bedrock is within a depth of 40 inches.

Erosion by water.--The surface K factor multiplied by the upper slope limit is more than 2 (same as prime farmland criteria).

Excessive permeability.--The upper limit of the permeability range is more than 6 inches per hour within the soil profile.

Flooding.--The component of the map unit is occasionally flooded or frequently flooded.

Gullied.--The word "gullied" is included in the name of the map unit.

Lime content.--The component is assigned to wind erodibility group 4L or has more than 5 percent lime in the upper 10 inches.

Limited available water capacity.--The available water capacity calculated to a depth of 60 inches or to a root-limiting layer is 4.5 inches or less.

Ponding.--Ponding duration is assigned to the component of the map unit.

Potential for ground-water pollution.--The soil has a water table within a depth of 4 feet or hard bedrock within the profile, or permeability is more than 6 inches per hour within the soil.

Poor tilth.--The component of the map unit has more than 35 percent clay in the surface layer.

Restricted permeability.--Permeability is 0.06 inch per hour or less within the soil profile.

Salt content.--The component of the map unit has an electrical conductivity of more than 4 in the surface layer or more than 8 within a depth of 30 inches.

Short frost-free season.--The component of the map unit has a growing season of less than 90 frost-free days.

Slope.--The upper slope range of the component of the map unit is more than 8 percent.

Sodium content.--The sodium adsorption ratio of the component of the map unit is more than 13 within a depth of 30 inches.

Soil blowing.--The wind erodibility index multiplied by the selected C factor and then divided by the T factor is equal to or more than 8 for the component of the map unit.

Surface rock fragments.--The terms describing the texture of the surface layer include any rock fragment modifier except for gravelly or channery, and "surface stones" is not already indicated as a limitation.

Surface crusting.--The sodium adsorption ratio in the surface layer is 5 or more for any texture and 4 or more if the texture is silt, silt loam, loam, or very fine sandy loam.

Surface stones.--The terms describing the texture of the surface layer include any stony or bouldery modifier, or the soil is a stony or bouldery phase.

Water table.--The component of the map unit has a water table within a depth of 60 inches.

Crop Yield Estimates

The average yields per acre that can be expected of the principal irrigated crops under a high level of management are shown in table 6, "Land Capability and Yields per Acre of Crops." In any given year, yields may be higher or lower than those indicated in the table because of variations in rainfall and other climatic factors. The land capability classification of each map unit also is shown in the table.

The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby counties and results of field trials and demonstrations are also considered.

For yields of irrigated crops, it is assumed that the irrigation system is adapted to the soils and to the crops grown, that good-quality irrigation water is uniformly applied as needed, and that tillage is kept to a minimum.

The management needed to obtain the indicated yields of the various crops depends on the kind of soil and the crop. Management can include drainage, erosion control, and protection from flooding; the proper planting and seeding rates; suitable high-yielding crop varieties; appropriate and timely tillage; control of weeds, plant diseases, and harmful insects; favorable soil reaction and optimum levels of nitrogen, phosphorus, potassium, and trace elements for each crop; effective use of crop residue, barnyard manure, and green manure crops; and harvesting that ensures the smallest possible loss.

The estimated yields reflect the productive capacity of each soil for each of the principal crops. Yields are likely to increase as new production technology is developed. The productivity of a given soil compared with that of other soils, however, is not likely to change.

Crops other than those shown in the table are grown in the survey area, but estimated yields are not listed because the acreage of such crops is small. The local office of the Natural Resources Conservation Service or Cooperative Extension can provide information about the management and productivity of the soils for those crops.

Pasture and Hayland Interpretations

Under good management, proper grazing is essential for the production of high quality forage, stand survival, and erosion control. Proper grazing helps plants to maintain sufficient and generally vigorous top growth during the growing season. Brush control is essential in many areas, and weed control generally is needed. Rotation grazing and renovation also are important management practices.

Yield estimates are often provided in animal unit months (AUM), the amount of forage or feed required to feed one animal unit (one cow, one horse, one mule, five sheep, or five goats) for 30 days.

Information about forage yields other than those shown in the table "Land Capability and Yields per Acre of Crops" can be provided by the local office of the Natural Resources Conservation Service or Cooperative Extension.

Land Capability Classification

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major

and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations designed to show suitability and limitations of groups of soils for rangeland, for woodland, or for engineering purposes.

In the capability system, as described in "Land Capability Classification" (18), soils generally are grouped at three levels: capability class, subclass, and unit. These levels indicate the degree and kinds of limitations affecting mechanized farming systems that produce the more commonly grown field crops, such as corn, small grain, cotton, hay, and field-grown vegetables. Only class and subclass are used in this survey.

Capability classes, the broadest groups, are designated by Roman numerals I through VIII. The numerals indicate progressively greater limitations and narrower choices for practical use.

If properly managed, soils in classes I, II, III, and IV are suitable for the mechanized production of commonly grown field crops and for pasture and woodland. The degree of the soil limitations affecting the production of cultivated crops increases progressively from class I to class IV. The limitations can affect levels of production and the risk of permanent soil deterioration caused by erosion and other factors.

Soils in classes V, VI, and VII are generally not suited to the mechanized production of commonly grown field crops without special management, but they are suitable for plants that provide a permanent cover, such as grasses and trees. The severity of the soil limitations affecting crops increases progressively from class V to class VII. The local office of the Cooperative Extension or Natural Resources Conservation Service can provide guidance on the use of these soils as cropland.

Areas in class VIII are generally not suitable for crops, pasture, or woodland without a level of management that is impractical. These areas may have potential for other uses, such as recreational facilities and wildlife habitat.

Capability subclasses indicate the dominant limitations in the class. They are designated by adding a small letter, *e, w, s,* or *c*, to the class numeral, for example, IIe. The letter *e* shows that the main hazard is the risk of erosion unless a close-growing plant cover is maintained; *w* shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); *s* shows that the soil is limited mainly because it is shallow, droughty, or stony; and *c* shows that the chief limitation is a climate that is very cold or very dry.

There are no subclasses in class I because the soils of this class have few limitations. Class V contains only the subclasses indicated by *w, s,* or *c* because the soils in class V are subject to little or no erosion. They have other limitations that restrict their use mainly to pasture, rangeland, woodland, wildlife habitat, or recreation.

The irrigated capability classification of each irrigated map unit is given in table 6, "Land Capability and Yields per Acre of Crops."

Erosion Factors

Soil erodibility factors Kw and Kf quantify the susceptibility of soil to detachment by water. A wind erodibility group (WEG) is a grouping of soils that have similar properties affecting their resistance to soil blowing. The Wind Erodibility Index (I) is based on the WEG and is used in the wind erosion equation. Soil erodibility factors Kw and Kf are used in the Revised Universal Soil Loss Equation. The procedure for predicting soil loss is useful in guiding the selection of soil and water conservation practices.

Soil Erodibility Factors Kw and Kf

Factor Kw shows the erodibility of the whole soil, and factor Kf shows the erodibility of only the fine-earth fraction, the material less than 2.0 millimeters in diameter. The soil erodibility factor indicates the susceptibility of a soil to sheet and rill erosion by water. The soil properties that influence erodibility are those that affect the infiltration rate, the movement of water through the soil, and the water storage capacity of the soil and those that allow the soil to resist dispersion, splashing, abrasion, and the transporting forces of rainfall and runoff. The most important soil properties are the content of silt plus very fine sand, the content of sand coarser than very fine sand, the content of organic matter, soil structure, and permeability.

Wind Erodibility Groups

Soils are assigned wind erodibility groups on the basis of the properties of the surface layer. The properties that are most important with respect to soil blowing are soil texture, content of organic matter, calcium carbonate, reaction, content of rock fragments, and aggregate stability. Wind erodibility is inversely related to the percentage of dry surface soil aggregates larger than 0.84 millimeter in diameter. From this percentage, the wind erodibility index factor (I) is determined.

Soil Loss Tolerance (T) Factor

The annual Soil Loss Tolerance (T) is an estimate of the maximum rate of erosion that can occur without affecting crop productivity. The T factor is expressed in tons of soil loss per acre per year. Values of 1 to 5 are used. T values are assigned according to properties of limiting subsurface soil layers. The designation of a limiting layer implies that the material above the layer has more favorable properties for crop production. The criteria for assigning T are based on the severity of

physical or chemical properties of subsurface layers, the climatically influenced properties of soil moisture and temperature, the economic feasibility of utilizing management practices to overcome limiting layers or conditions, and the depth to the limiting layer.

Additional information about wind erodibility groups and I, Kw, Kf, and T factors can be obtained from local offices of the Natural Resources Conservation Service or Cooperative Extension.

RANGELAND AND GRAZEABLE WOODLAND RESOURCE MANAGEMENT

In this soil survey report, the term "rangeland" refers to a kind of land rather than a land use. Areas of rangeland provide many important resource values. They act as vast watersheds and provide habitat for wildlife, livestock forage, and opportunities for recreation. The resource values of rangeland are intricately related to each other and are often directly affected by rangeland management. Because of the interrelationships among rangeland resources, rangeland managers should consider all resource values when planning range improvements.

About 99 percent of the acreage in this survey area is rangeland. Livestock grazing is the principal agricultural use of the rangeland. Livestock operations are mostly cow-calf or cow-calf-sheep enterprises. Ranches range from a few hundred to several thousands acres in size. They rely heavily on permitted use of public lands. Most of the rangeland within the survey area is administered by the Bureau of Land Management. The Bureau of Indian Affairs has management responsibility for the rangeland within Indian reservations.

Soil-Site Correlation

During the course of this soil survey, ecological sites were correlated with the soils identified within the survey area. These correlations are based on the current understanding of soil-plant-climate relationships in the survey area. Soil properties that affect moisture supply and plant nutrients have the greatest influence on the productivity of range plants. Soil reaction, content of salts or lime, and topographic position are also important. The relationship of climate to vegetation and soils is considered in the classification of soils and in soil mapping criteria. In areas that have similar climate and topography, differences in the kind and amount of vegetation produced on rangeland are closely related to the kind of soil. Ecological sites can generally be determined from soil maps and map unit legends developed for the survey area.

Range Condition

Mining is the major industrial use of rangeland in the survey area and has played an important role in the history of the area. During the mining booms of the 1860's, herds of cattle, sheep, oxen, horses, and burros were brought to Nye County to be used as a source of power and feed for the developing mining communities. Heavy grazing pressure during these boom periods depleted native stands of forage throughout much of the survey area.

The early devastation of rangeland plant communities through uncontrolled livestock grazing ended long ago, but severely depleted areas still reflect the abuses of early settlement. In the most severely disturbed areas, palatable shrubs generally have been replaced by less desirable shrubs and many native perennial grasses and forbs have been replaced by alien or introduced annual grasses and forbs. Recovery of the plant community has been most evident where previous abuses were limited. The greater the level of deterioration, the longer the period of recovery. Although present-day rangeland production and plant diversity in the survey area are generally less than optimal, the overall condition of the rangeland is much improved from what was common in the early 1900's.

Range condition is determined by a comparison of the present plant community with the natural potential plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential plant community, the higher the range condition. Range condition is an ecological rating only. It does not have a specific meaning that pertains to the present plant community for a given use. Ratings of range condition alone do not indicate whether the present plant community is improving or deteriorating in relation to its potential. The trend in range condition is a measure of the direction of change in the condition. It is an expression of the effects of current use. The present range condition is a reflection of the accumulated effects of past use. Once the potential plant communities have been identified and the present range condition has been determined, monitoring the trend in range condition over time can indicate whether management objectives are being met.

Rangeland Management

Range management requires a knowledge of the kinds of soil and of the natural potential plant communities the soils in a given area can support. It also requires an evaluation of the present range condition. For most rangeland plant communities, good management can improve the present condition and productivity of the range and can help to prevent accelerated erosion.

Proper management of rangeland depends on many factors. The season of grazing use, the kind of grazing animal, the intensity and distribution of grazing, and the range resource potential are important management considerations. Multiple-use management that meets present and future needs requires extensive knowledge of the capabilities and limitations of the range resources. An understanding of the soil properties and dynamics of native plant communities is fundamental in applying ecological principles to the evaluation and management of rangeland.

Generally, the objective of range management is to manage grazing so that the plants growing on a site are about the same in kind and amount as the natural potential plant community for that site. Such management generally results in the optimum production of vegetation, conservation of water, and control of erosion. To meet a special need or a specific use, however, it may be desirable to manage for a plant community other than the potential plant community for the site. Care must always be taken not to increase the susceptibility to erosion. Future uses and the relative ability of given sites to respond to management should be considered if the management objective is to establish a plant community other than the potential plant community.

Desirable forage plants of many plant communities within the survey area have been greatly depleted or even eliminated by excessive and untimely grazing. Generally, perennial grasses have decreased in abundance and woody plants have increased. The productivity of forage plants is below the production potential on many sites. Uneven livestock distribution has resulted in both overuse and underuse of the native forage.

An increase in the abundance and size of shrubs and an extensive invasion of cheatgrass (an introduced annual grass) have reduced the amount of soil moisture and nutrients available to perennial grasses and forbs. In areas where the range condition has not excessively deteriorated and an adequate population of desirable perennial grasses and forbs is available to respond to a release from plant competition, brush management can be effective in reversing the trend toward an increasing dominance of woody vegetation.

Abusive grazing of riparian vegetation by livestock can reduce water quality, eliminate streamside shrubs, cause soil compaction, accelerate erosion, and break down streambanks. Proper management of the rangeland in the survey area requires that special attention be given to riparian zones. Fortunately, riparian communities often respond to improved livestock management more rapidly than upland plant communities. Grazing treatments in riparian areas vary with the stability of the riparian plant community and the condition of the adjacent upland plant communities.

Rangeland Seeding

Rangeland seeding may be required following the removal of woody vegetation in areas where desirable understory plants are scarce or are not included in the present plant community. Revegetation also may be necessary for critical area treatment following a wildfire or other major disturbance. Maximum grazing capacity can be achieved in seeded stands where the objective of management is uniform grazing of the stands and prevention of the concentration of livestock. Additional water developments and fencing may be required to meet management objectives.

The success of range seeding depends on the amount of moisture available during the growing season. Even in areas where adapted species are planted and improved seeding and land treatment techniques are applied, the success of range seeding is strongly influenced by rainfall. The distribution and amount of precipitation in the survey area fluctuate widely from one year to the next. Years of below normal precipitation are relatively frequent, and the risk of seeding failure caused by the unpredictability of climate should be acknowledged in addition to critical soil properties that affect seeding success.

Each soil in the survey area is rated in table 7, "Suitability for Rangeland Seeding." The criteria used in the developement of these ratings are available from the local Nevada office of the Natural Resources Conservation Service. Where critical area treatment is necessary, providing a plant cover that helps to prevent accelerated erosion may be advantageous on soils that are poorly suited to range seeding. The plants that are suited to the soils in the area to be treated should be selected for seeding.

More specific management concerns are addressed under the heading "Plant Communities in Nye County, Nevada, Northwest Part" later in this section. Additional information about rangeland management can be obtained from local offices of the Natural Resources Conservation Service or Cooperative Extension.

Wildlife Considerations

Reducing the extent of brush cover can benefit many game and nongame wildlife species where the habitat needs of those animals are properly identified and planned for in the manipulation of vegetation. For instance, extensive areas dominated by big sagebrush provide marginal habitat for pronghorn antelope. The habitat can be improved by measures that decrease the density and height of the sagebrush. The habitat for

mule deer can be improved by removing big sagebrush and thus enhancing the diversity of understory grasses and forbs or increasing the production of green forage on transitional range that has an excessive cover of shrubs.

For other species, however, brush removal may be detrimental. Sage grouse is a habitat-specific bird, relying primarily on sagebrush to meet its life requirements. Plans for the manipulation of sagebrush stands on range inhabited by sage grouse should provide for the maintenance of suitable grouse habitat, especially nesting habitat near strutting grounds. The optimum nesting habitat for sage grouse is one in which the crown cover of sagebrush that is less than 30 inches high is 20 to 40 percent. Treatment of the sagebrush that reduces the cover from 40 to 20 percent may not seriously degrade the nesting habitat and commonly improves the quality of forage for sage grouse.

In an assessment of how the manipulation of vegetation affects wildlife, "edge" habitat is an important consideration. The structure and dominance of plants that remain after manipulation differ with the method of treatment. Fire removes all of the vegetation, including the skeletons or woody portions of shrubs, and thus eliminates the structure of woody vegetation from the treated area. Prescribed burning may enhance the habitat for a number of wildlife species. Mule deer and many nongame species select recently burned areas for feeding. Brush treatment with herbicides leaves the dead skeletons of shrubs and retains the shrub structure. Herbicides may kill broad-leaved forbs in the shrub understory, which are staples in the diet of many game and nongame species. Chaining and, to a lesser degree, brush beating change the vegetative structure from tree/shrub or shrub to grassland, and the residue they leave on the ground creates habitat for small mammals.

Many wildlife species in the survey area depend on riparian plant communities during much of the year. These plant communities support wildlife not common to desert ecosystems, such as short-eared owls, Pacific tree frogs, and long-tailed weasels. Riparian communities also provide islands of habitat in desert environments for migrating birds. Nuthatches, warblers, and other species that nest in forest ecosystems migrate to desert riparian zones in spring and fall.

Livestock water developments can be beneficial to wildlife if the water is available when the wildlife species occupy the area. Forage for wildlife can be enhanced if adapted forbs are included in a rangeland seeding.

More specific wildlife management concerns are addressed under the heading "Plant Communities in Nye County, Nevada, Northwest Part." Additional information about wildlife management can be obtained from local offices of the Natural Resources Conservation Service, Cooperative Extension Service, or Nevada Division of Wildlife.

Plant Communities in Nye County, Nevada, Northwest Part

A rangeland ecological site is a distinctive kind of rangeland that differs from other kinds of rangeland in its ability to produce a characteristic natural plant community. An ecological site is the product of all environmental factors responsible for its development. It can support a native plant community typified by an association of species that differs from the potential plant community of other ecological sites in the kind or proportion of species or in total production. Disturbances, such as drought, fire, and grazing by native fauna, and the damage caused by insects and disease are recognized as natural factors in the development of native plant communities.

The appendix "Rangeland Plants and Woodland Understory" shows the rangeland plants and woodland understory for each soil and contrasting inclusion in the detailed soil map units, the rangeland or woodland ecological site, the common plant name and scientific plant symbol for the characteristic vegetation, the average percent composition for each species in the potential plant community, the rangeland or woodland ecological site, and the total annual production of vegetation in favorable, normal, and unfavorable years. The characteristic vegetation, which consists of the grasses, forbs, shrubs, and immature trees that make up most of the potential plant community for each soil, is listed by common name. For rangeland, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The amount that can be used as forage depends on the kinds of grazing animals, the grazing season, and the availability of forage. Many plants, trees, and shrubs are inaccessible to foraging animals. For woodland, the percentage of the total annual production is not given because of a wide variation of production under different tree canopies. The presence of a plant species in the understory vegetation is shown by an "X" in the composition section of the table.

Total potential production is the amount of vegetation that can be expected to grow annually on well managed rangeland or woodland that supports the potential natural community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's production of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, above average amounts and optimum timing of precipitation during periods of warm temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture.

Riparian areas or meadows are interspersed throughout the survey area. Riparian vegetation grows on the flood plains along perennial streams. Stringer meadows are along spring-fed stream channels where moisture is available to plants throughout most of the growing season. Meadow vegetation also grows on the periphery of seeps and springs. Although they make up a small acreage in the survey area, the riparian zones are important because they provide free water, which improves the productivity of the riparian vegetation and lengthens the growing season of the vegetation. The zones are characterized by diverse plant species and a structural diversity of vegetation. The zones along stream channels are typically linear. The linear nature of the zones maximizes the edge effect between the zones and the adjacent uplands. An "edge," or ecotone, is a transition between plant communities or a joining of different vegetative structures within plant communities. It commonly is richer in wildlife than either of the adjoining communities.

Nye County, Northwest Part is in the central part of the Basin and Range Province. The major plant associations in the survey area typify the general zonation of vegetation common in the Great Basin section (3). Valley floors and the lower piedmont slopes are dominated by salt-desert shrub plant communities. Above the salt-desert shrub zone, sagebrush-grass plant communities are prevalent in areas where the mean annual precipitation is 8 inches or more.

Salt-desert shrub communities normally reflect either a climatically dry environment where the mean annual precipitation is less than 8 inches or physiologically dry soil conditions. High concentrations of salts that interfere with the uptake of water by plants can create physiologically dry soil conditions. Representative shrubs of the salt-desert shrub communities are shadscale, bud sagebrush, winterfat, and Douglas rabbitbrush. The common grasses include Indian ricegrass, bottlebrush squirreltail, galleta, Sandberg bluegrass, and desert needlegrass.

The salt-desert shrub plant communities in the survey area include stands dominated by a single shrub species and stands that support relatively heterogeneous mixtures of shrubs and grasses. The vegetation is generally sparse, normally covering less than 20 percent of the surface. Wind erosion and water erosion are hazards because of the naturally sparse plant cover in most areas. The interspaces between plants in salt-desert shrub communities commonly are stabilized by surface pavements of rock fragments, by a puddled and crusted soil surface, or by microphytic (algae) surface crusts. These protective features can be damaged by livestock or off-road vehicle traffic.

Salt-desert shrub plant communities are most valuable as winter range for livestock. They can produce high-quality winter forage and are usually subject to only light snowfall. Most of the desirable forage species in these communities are adversely affected by grazing in late winter (March and April), heavy use, or both. Where native rangeland communities are grazed in winter, an emergency supply of feed should be readily available to carry livestock through periods of unusually severe weather.

Properly regulated grazing management can enhance the long-term productivity of salt-desert shrub plant communities. This management includes deferred grazing during critical growth periods in late winter, rotational grazing, and control of the intensity and season of use. Fencing, herding, water hauling, and controlling livestock access to watering facilities can achieve a better distribution of grazing. Because of the harsh environment of the salt-desert shrub zone, manipulation of vegetation and revegetation projects generally are not advisable.

Salt-desert shrub communities provide habitiat for a wide variety of nongame species, including whiptail lizards, antelope ground squirrels, loggerhead shrikes, and Great Basin rattlesnakes. Plant communities that are dominated by shadscale or winterfat and associated forbs and grasses provide important winter range for pronghorn antelope. Fencing can deter the migration of pronghorn antelope because these animals commonly do not jump. As a result, the lower wire of the fences should be high enough for pronghorn to crawl under. Where feasible, the fence lines should be routed so that they cause the least disruption to pronghorn travel. Livestock water developments are beneficial to pronghorn and other wildlife if the water is available when the animals occupy the area. Few mule deer use salt-desert shrub communities, which generally are unimportant in deer management. Feral horses use these communities in winter.

Within the salt-desert shrub zone are low areas that commonly receive extra moisture as runoff from higher landscape positions and as shallow, low-velocity overflow during periods of runoff. Black greasewood, basin big sagebrush, and basin wildrye are important plants on these sites. When in good condition, these plant communites can produce more than 2,000 pounds of basin wildrye per acre. When in poor condition, however, they typically produce less than 500 pounds per acre. The potential for increasing the production of basin wildrye is good on many sites in poor or fair condition in the survey area. Basin wildrye provides standing dried forage during its fall and winter dormancy and can provide calving areas in late winter. Mule deer, cottontail rabbits, and northern harriers inhabit basin wildrye communities throughout the year.

Other plant communities that reflect extra moisture conditions are adjacent to valley floor playas. These areas may have a high water table during periods of runoff. Black greasewood, shadscale, inland saltgrass, and basin wildrye are the characteristic plants on these sites.

Plant communities that are dominated by black greasewood provide thermal cover for many species of wildlife but have limited value for big game. Because of its spines and coarse structure, black greasewood

provides protective cover to nesting birds and small mammals. Although this species is not a preferred forage plant for livestock, cattle and sheep eat the succulent spring growth. On late fall and winter ranges, the fruit of black greasewood and shadscale provides nutritious and palatable feed. The soluble oxalates in black greasewood may be harmful to livestock, especially sheep, if the new growth is excessively grazed in spring.

As snow melts in spring, runoff commonly drains into valley floor basins. It remains for short periods, providing nesting and feeding habitat for some waterfowl. Playas containing water in spring are important resting places for migrating waterfowl. Sand dunes formed through the deposition of windblown sediment are commonly on the leeward side of the playas in this survey area. Although of limited extent, partially stabilized sand dunes provide important habitat for both predator and prey vertebrate wildlife. Kangaroo rats, kit foxes, and bobcats inhabit the sand dunes.

Sagebrush-grass plant communities are at the lower elevations (about 5,500 to 7,000 feet) in the survey area. The average annual precipitation at these elevations is between 8 and 10 inches.

Wyoming big sagebrush, black sagebrush, and to a lesser extent, basin big sagebrush are the dominant woody sagebrush plants at the lower elevations in the survey area. Perennial grasses are potentially the dominant herbaceous plants in the sagebrush-grass plant communities. Galleta, Indian ricegrass, bottlebrush squirreltail, and Sandberg bluegrass are important cool-season bunch grasses. Grazing pressure has been severe on the sagebrush-grass plant communities at the lower elevations. These plant communities are the first to begin growth, or "greenup," during the warming periods of early spring and have traditionally been used for spring grazing by livestock. Close grazing spring after spring will eventually eliminate the perennial understory of grasses and forbs.

Grazing management practices can enhance the long-term productivity of sagebrush-grass communities. These practices include deferred grazing during critical growth periods in spring, rotational grazing, and control of the intensity and season of use. Fencing, herding, water hauling, and controlling livestock access to watering facilities can achieve a better distribution of grazing and facilitate grazing management.

Very few sources of perennial water are available in the sagebrush-grass zone at the lower elevations. Therefore, water developments and watering facilities are key elements in grazing management. Also, they can be of significant value to wildlife. Where the range condition has not deteriorated excessively and an adequate population of desirable perennial grasses and forbs is available to respond to a release from plant competition, brush management can greatly enhance the production of forage for livestock and wildlife.

The selection of plants available for rangeland seeding in the 8 to 10 inch precipitation zone is limited. Suitable species that are tolerant of early spring grazing, however, can be seeded. These species can play a key role in the management of grazing on the adjacent native sagebrush-grass and salt-desert shrub plant communities. Years of below normal precipitation are relatively frequent in this zone. Thus, the factors to be considered in managing rangeland seeding include the risk of seeding failure caused by climate.

Although the sagebrush-grass communities at the lower elevations may provide transitional spring range to pronghorn antelope moving from winter to summer ranges, plant communities that are dominated by big sagebrush are not heavily used by the pronghorn. Fencing can deter migration of the pronghorn because these animals commonly do not jump. As a result, the lower wire of the fences should be high enough for the pronghorn to crawl under. Where feasible, the fence lines should be routed so that they cause the least disruption to pronghorn travel. Livestock water developments are beneficial to wildlife, especially deer and pronghorn, if the water is available when the animals are in the area.

During severe winters in areas of the sagebrush-grass communities at the lower elevations, sage grouse may feed on sagebrush that has not been covered by snow. Heavy snow at the higher elevations forces chukar partridge to move into these areas in search of food. The sagebrush-grass communities at the lower elevations are used primarily by mule deer and feral horses as winter range or as transitional range in spring. Spring grazing by livestock in areas used by deer as winter range should be managed so that the turn out of livestock is delayed until after spring "greenup"and the migration of most of the deer.

Pinyon and juniper communities are at intermediate elevations (about 7,000 to 8,500 feet) in the survey area. The average annual precipitation at these elevations is between 10 and 14 inches.

The major occurrences of pinyon-juniper woodlands are in the Kawich, Monitor, Paradise, and Toquima Ranges. Dominant understory shrubs include mountain big sagebrush, mountain mahogany and black sagebrush. Prevalent understory grasses are Indian ricegrass, bottlebrush squirreltail, Sandberg bluegrass, mutton grass, and needlegrasses.

Non-game wildlife species associated with these woodlands are the bushy-tailed woodrat, the blue-grey gnat-catcher, pinyon jay, and the American kestral. Mule deer will also use these woodland communities for thermal cover and many species of small mammals and birds are associated with the pinyon and juniper woodlands within the survey area.

During the mining booms of the late 1800's, much of Nye County's woodland resource was harvested for use in ore processing, as mine props, or burned as domestic firewood. Large portions of the pinyon-juniper woodland in Nye County support trees less than 150 years of age, representing regrowth after the early

mining boom period. Old ax-cut stumps are common in the regrowth stands of pinyon and juniper in the survey area.

Pinyon and juniper woodlands are generally low in productivity at elevations where juniper is the dominant tree species. At higher elevations, the woodland is more productive and pinyon is dominant in the overstory.

In the pristine environment, stands of pinyon and juniper woodland were restricted to specific soils and landscape positions by naturally occurring wildfires. Young pinyon and juniper trees are very susceptible to ground fires until their crowns grow well above the sagebrush-grass vegetation. Fire usually eliminates or greatly reduces the number of tree seedlings on soils that produce continuous stands of fine fuels. Production of fine fuels is restricted on soils that are droughty, shallow, and/or stony. A sparse stand of fine fuels reduces the frequency and extent of wildfires and provides "safe" sites for stands of pinyon and juniper to develop.

Settlement in the survey area has reduced the incidence and size of natural fires through fire suppression and the disruption of fine fuel continuity by livestock grazing. With changes in the extent and frequency of natural fire, significant changes in the character of pinyon-juniper woodlands and associated rangelands have occurred. Original woodlands have become more dense and adjacent sagebrush-grass communities have been invaded by these conifers.

Traditional products of the pinyon-juniper woodlands include firewood, fence posts, pine nuts, and Christmas trees. As energy demands and costs increase, firewood becomes more important as a woodland product. Other woodland uses are livestock grazing, wildlife food and cover, recreation, and watershed values.

Managing pinyon and juniper woodland for sustained yield is a relatively new concept. Pinyon and juniper wood is not suitable for lumber. Commercial tree production management techniques have not generally been applied to these woodlands in the past. Conversion of pinyon-juniper woodlands to rangeland has been the trend in the past, and several satisfactory conversion methods have been developed. Because of the recent (and growing) demand for firewood, however, management of these woodlands should include evaluations of the economic value of firewood production and harvest as well as livestock grazing.

Thinning and improvement cuttings are recommended for sustained yields. Harvest of selected trees for fence posts and firewood can provide an economic return and improve stand quality and yield. Thinning and selective tree harvest maintain an open overstory canopy that can optimize understory forage production while allowing more vigorous growth of the remaining trees.

Tree production should be encouraged on sites known to be productive or on soils that originally supported pinyon-juniper woodland. Invasion of pinyon or juniper into sagebrush-grass rangelands should be controlled to prevent loss of forage production and potential degradation of the rangeland resource. When developing a woodland managment plan, it is important to evaluate the soil and site potentials. Consideration should be given to all woodland values, site opportunities, and economic factors.

Stringer meadows are along spring-fed stream channels in the pinyon-juniper and sagebrush-grass zones at the intermediate and upper elevations. Meadow vegetation also grows on the periphery of seeps and springs. Wet meadows adjacent to sagebrush stands are important as brood-rearing areas for sage grouse. During the first weeks after leaving the nest, sage grouse chicks eat mainly insects (ants and beetles) and the succulent forbs that are common in wet meadows. Grazing of the meadows by cattle can improve the quality of feed for sage grouse if a period of regrowth is provided for the key forb species. Grazing increases the succulence of the forbs by interrupting the maturation of the plant tissues. The succulent or young leaf tissue is higher in protein and lower in fiber than mature tissue. As they seek sources of succulent forbs, sage grouse select meadows that have been grazed by cattle. Sage grouse chicks find food and cover in properly grazed meadows, which appear patchy because of different stubble heights remaining after livestock have grazed the meadows.

Improper grazing of riparian vegetation by livestock can cause gully erosion. This erosion, in turn, can result in lower water tables, the drying out of meadows, and the loss of valuable wildlife and livestock forage. Grazing management strategies that are sensitive to the development and maintenance of healthy riparian areas are needed.

The uppermost elevations of the survey area (about 8,000 to 9,400 feet) typically support high-elevation sagebrush-grass plant communities. The average annual precipitation ranges from 14 to more than 18 inches. Mountain big sagebrush and low sagebrush dominate the shrub canopy of these plant communities. The shrub understory grasses include spike fescue, needlegrass, mountain brome, prairie junegrass, muttongrass, basin wildrye, and bluebunch wheatgrass. Mountain browse species, such as snowberry, serviceberry, and antelope bitterbrush, are common in the shrub overstory. Curlleaf mountainmahogany stands are at the highest elevations, on mountain summits, and the upper side slopes. Areas of aspen woodland are common in concave pockets and along riparian zones.

Plant communities on the high-elevation sites are potentially very productive and normally respond rapidly to management. These sites remain cold and wet through spring and into early summer. They are used as summer range for livestock. Grazing should be delayed until the surface layer has dried sufficiently for compaction to be limited. Snow often blankets these sites by late fall, further restricting the period of

livestock grazing. Steeply sloping areas are common throughout the high-elevation sagebrush-grass zone. Livestock tend to overuse the less sloping areas unless grazing is managed for an even distribution of grazing. Fencing, properly locating watering facilities, and herding force livestock to use areas that otherwise might remain ungrazed. Salt and mineral blocks should be placed away from water.

Mule deer use the high-elevation plant communities for summer range. North-facing slopes that have a patchwork of dense stands consisting of mountain browse are important deer-fawning areas. These dense stands should be maintained because they provide cover for wildlife. Areas of aspen woodland provide important cover for wildlife and are a source of shade for livestock and wildlife.

Seeps and springs are common at the high elevations. Water for livestock generally is readily available. Additional water developments may be needed, however, to distribute the livestock evenly. Developed springs, pipelines, and storage tanks are dependable means of supplying water. Seeps and springs developed to provide livestock water can also be beneficial to wildlife. Excluding livestock by fencing the meadow around a seep or spring and piping the water to troughs or other storage facilities outside the exclosure help to protect the meadow vegetation grazed by wildlife. Enough water must be retained in the fenced seep or spring area to maintain the meadow vegetation. Small meadows can be developed and maintained by piping overflow water from livestock troughs into fenced areas.

Many naturally occurring meadows in the sagebrush-grass zones at the mid and higher elevations have been heavily invaded by big sagebrush. The sagebrush depletes moisture from the meadows. If the sagebrush is removed, the quantity of water and the duration of waterflow increase as grasses return to the meadows. Prescribed burning of dense sagebrush stands can be an economical means of brush management in the high-elevation sagebrush-grass zone. Brush management practices should be designed so that enough of the shrub canopy remains near meadows to provide cover for wildlife.

Rangeland seeding of the high-elevation plant communities is usually not necessary. In most areas, the remnant population of desirable forbs and grasses is sufficient to respond to grazing management and a release from shrub competition. Where rangeland seeding is needed, a wide variety of suitable species can be planted because of the relatively high annual precipitation in this zone.

Forest Land

Table 8, "Woodland Management and Productivity," can be used by forest managers in planning the use of soils for wood crops. Only those soils suitable for wood crops are listed.

Woodland Ordination System

Table 8, "Woodland Management and Productivity," lists the ordination (woodland suitability) symbol for each soil. The ordination system is a nationwide uniform system of labeling soils or groups of soils that are similar in use and management. The primary factors evaluated in the woodland ordination system are productivity of the forest overstory tree species and the principal soil properties resulting in hazards and limitations that affect forest management. There are three parts of the ordination system: class, subclass, and group. The class and subclass are referred to as the ordination symbol.

Ordination Class Symbol

The first element of the ordination symbol is a number that denotes potential productivity in terms of cubic meters of wood per hectare per year for the indicator tree species. The larger the number, the greater the potential productivity. Potential productivity is based on site index and the corresponding culmination of mean annual increment. For example, the number 1 indicates a potential production of 1 cubic meter of wood per hectare per year (14.3 cubic feet per acre per year) and 10 indicates a potential production of 10 cubic meters of wood per hectare per year (143 cubic feet per acre per year).

Indicator species is a species that is common in the area and is generally, but not necessarily, the most productive on the soil. It is the species that determines the ordination class. It is the first species listed for a particular map unit in the table "Forest Land Productivity." This table shows the productivity for all species where data have been collected.

Site index is determined by taking height measurements and determining the age of selected trees within stands of a given species. This index is the average height, in feet, that the trees attain in a specified number of years. This index applies to fully stocked, even-aged, unmanaged stands. The site indexes shown in table 8, "Woodland Management and Productivity," are averages based on measurements made at sites that are representative of the soil series. When the site index and forest land productivity of different soils are compared, the values for the same tree species should be compared. The higher the site index number, the more productive the soil for that species. Site index values are used in conjunction with yield tables to determine average annual yields. Indirectly, they are used to determine the productivity class in the ordination class symbol.

Ordination Subclass Symbol

The second element of the ordination symbol, or subclass, is a capital letter that indicates certain soil or physiographic characteristics that contribute to important hazards or limitations to be considered in management. The subclasses are defined as follows:

Subclass X indicates that forest land use and management are limited by stones or rocks.

Subclass W indicates that forest land use and management are significantly limited by excess water, either seasonally or throughout the year. Restricted drainage, a high water table, or flooding can adversely affect either stand development or management.

Subclass T indicates that the root zone has toxic substances. Excessive alkalinity, acidity, sodium salts, or other toxic substances impede the development of desirable species.

Subclass D indicates that forest land use and management are limited by a restricted rooting depth. The rooting depth is restricted by hard bedrock, a hardpan, or other restrictive layers in the soil.

Subclass C indicates that forest land use and management are limited by the kind or amount of clay in the upper part of the soil.

Subclass S indicates that the soil is sandy, has a low available water capacity, and normally has a low content of available plant nutrients. The use of equipment is limited during dry periods.

Subclass F indicates that forest land use and management are limited by a high content of rock fragments that are larger than 2 millimeters and smaller than 10 inches. This subclass includes flaggy soils.

Subclass R indicates that forest land use and management are limited by excessive slope.

Subclass A indicates that no significant limitations affect forest land use and management.

Forest Land Management and Productivity

Information about the productivity and management of the forested map units in the survey area is given in table 8, "Woodland Management and Productivity."

Management Concerns

In table 8, "Woodland Management and Productivity," the soils are rated for the erosion hazard, the equipment limitation, seedling mortality, the windthrow hazard, and plant competition.

The *erosion hazard* is *slight* if the expected soil loss is small; *moderate* if some measures are needed to control erosion during logging and road construction; and *severe* if intensive management or special equipment and methods are needed to prevent excessive soil loss.

The *equipment limitation* is *slight* if the use of equipment is not limited to a particular kind of equipment or time of year; *moderate* if there is a short seasonal limitation or a need for some modification in the management of equipment; and *severe* if there is a seasonal limitation, a need for special equipment or management, or a hazard in the use of equipment.

Seedling mortality ratings are for seedlings that are from a good planting stock and that are properly planted during a period of average rainfall. A rating of *slight* indicates that the expected mortality of the planted seedlings is less than 25 percent; *moderate*, 25 to 50 percent; and *severe*, more than 50 percent.

Windthrow hazard is *slight* if trees in wooded areas are not expected to be blown down by commonly occurring winds; *moderate* if some trees are blown down during periods of excessive soil wetness and strong winds; and *severe* if many trees are blown down during periods of excessive soil wetness and moderate or strong winds.

Plant competition is *slight* if there is little or no competition from other plants; *moderate* if plant competition is expected to hinder the development of a fully stocked stand of desirable trees; and *severe* if plant competition is expected to prevent the establishment of a desirable stand unless the site is intensively prepared, weeded, or otherwise managed for the control of undesirable plants.

Potential Productivity

The potential productivity of merchantable or *common trees* is expressed as a site index, which is described under the heading "Ordination Class Symbol." Commonly grown trees are those that forest land managers generally favor in intermediate or improvement cuttings. They are selected on the basis of growth rate, quality, value, and marketability.

Wildlife Habitat

Soils affect the kind and amount of vegetation that is available to wildlife as food and cover. They also affect the construction of water impoundments. If food, cover, or water is missing, inadequate, or inaccessible, wildlife will be scarce or will not inhabit the area.

If the soils have potential for habitat development, wildlife habitat can be created or improved by planting appropriate vegetation, properly managing the existing plant cover, and fostering the natural establishment of desirable plants. The soils in the survey area are rated in table 9, "Wildlife Habitat."

Elements of Wildlife Habitat

The elements of wildlife habitat are described in the following paragraphs.

Grain and seed crops are domestic grains and seed-producing herbaceous plants used by wildlife. Examples are wheat, rye, oats, and barley.

Grasses and legumes are domestic perennial grasses and herbaceous legumes planted for wildlife food and cover. Examples are fescue, bromegrass, timothy, orchardgrass, clover, alfalfa, trefoil, and reed canarygrass.

Wild herbaceous plants are native or naturally established grasses and forbs, including weeds, that provide food and cover for wildlife. Examples are goldenrod, lambsquarters, arrowleaf balsamroot, dandelions, ragweed, wheatgrass, fescue, and nightshade.

The major soil properties affecting the growth of grain and forage crops and wild herbaceous plants are depth of the root zone, texture of the surface layer, the amount of water available to plants, wetness, salinity or sodicity, and flooding. The length of the growing season also is important.

Hardwood trees and woody understory produce nuts or other fruit, buds, catkins, twigs, bark, and foliage that wildlife eat. Examples are oak, cottonwood, quaking aspen, boxelder, maple, green ash, and willow. Examples of fruit-producing shrubs that are suitable for planting on soils that have good potential for these plants are hawthorn, honeysuckle, American plum, redosier dogwood, chokecherry, serviceberry, and silver buffaloberry.

Coniferous plants are cone-bearing trees, shrubs, or ground cover that provide habitat or supply food in the form of browse, seed, or fruitlike cones. Examples are pine, spruce, hemlock, fir, and juniper.

The major soil properties affecting the growth of hardwood and coniferous trees and shrubs are depth of root zone, the amount of water available to plants, and wetness.

Wetland plants are annual and perennial wild herbaceous plants that grow on moist or wet sites. Submerged or floating aquatic plants are excluded. Wetland plants produce food or cover for wetland wildlife. Examples of these plants are smartweed, rushes, sedges, bulrushes, and cattail.

The major soil properties affecting wetland plants are texture of the surface layer, wetness, acidity or alkalinity, and slope.

Shallow water areas have an average depth of less than 5 feet. They are useful as habitat for some wildlife species. They are naturally wet areas or are created by dams, levees, or water-control measures in marshes or streams. Examples are muskrat marshes, waterfowl feeding areas, wildlife watering developments, beaver ponds, and other wildlife ponds.

The major soil properties affecting shallow water areas are depth to bedrock, wetness, surface stoniness, slope, and permeability.

Kinds of Wildlife Habitat

Habitat for openland wildlife consists of cropland, pasture, meadows, and areas that are overgrown with grasses, herbs, and shrubs. These areas produce grain and seed crops, grasses and legumes, and wild herbaceous plants. The wildlife attracted to these areas include Hungarian partridge, pheasant, sage grouse, meadowlark, field sparrow, killdeer, cottontail rabbit, and red fox.

Habitat for woodland wildlife consists of areas of hardwoods or conifers or a mixture of these and associated grasses, legumes, and wild herbaceous plants. The wildlife attracted to this habitat include wild turkey, grouse, thrushes, woodpeckers, owls, porcupine, raccoon, deer, and elk.

Habitat for wetland wildlife consists of open, marshy or swampy, shallow water areas that support water-tolerant plants. The wildlife attracted to this habitat include ducks, geese, herons, bitterns, rails, kingfishers, muskrat, and beaver.

Habitat for rangeland wildlife consists of areas of shrubs and wild herbaceous plants. The wildlife attracted to rangeland include antelope, mule deer, sage grouse, meadowlark, and lark bunting.

Recreation

The soils of the survey area are rated in table 10, "Recreational Development," according to limitations that affect their suitability for recreation. The ratings are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, the ability of the soil to support vegetation, access to water, potential water impoundment sites, and either access to public sewer lines or the capacity of the soil to absorb septic tank effluent. Soils subject to flooding are limited, in varying degrees, for recreational uses by the duration of flooding and the season when it occurs. Onsite assessment of the height, duration, intensity, and frequency of flooding is essential in planning recreational facilities.

Camp areas are tracts of land used intensively as sites for tents, trailers, and campers and for outdoor activities that accompany such sites. These areas require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The soils are rated on the basis of soil properties that influence the ease of developing camp areas and performance of the areas after development. Also considered are the soil properties that influence trafficability and promote the growth of vegetation after heavy use.

Picnic areas are natural or landscaped tracts of land that are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The soils are rated on the basis of soil properties that influence the cost of shaping the site, trafficability, and the growth of vegetation after development. The surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry.

Playgrounds are areas used intensively for baseball, football, or similar activities. These areas require a nearly level soil that is free of stones and that can withstand heavy foot traffic and maintain an adequate cover of vegetation. The soils are rated on the basis of soil properties that influence the cost of shaping the site, trafficability, and the growth of vegetation. Slope and stoniness are the main concerns in developing playgrounds. The surface of the playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry.

Paths and trails are areas used for hiking and horseback riding. The areas should require little or no cutting and filling during site preparation. The soils are rated on the basis of soil properties that influence trafficability and erodibility. Paths and trails should remain firm under foot traffic and not be dusty when dry.

Golf fairways are subject to heavy foot traffic and some light vehicular traffic. Cutting or filling may be required. The best soils for use as golf fairways are firm when wet, are not dusty when dry, and are not subject to prolonged flooding during the period of use. They have moderate slopes and no stones or boulders on the surface. The suitability of the soil for tees or greens is not considered in rating the soils.

The interpretative ratings in this table help engineers, planners, and others to understand how soil properties influence recreational uses. Ratings for proposed uses are given in terms of limitations. Only the most restrictive features are listed. Other features may limit a specific recreational use.

The degree of soil limitation is expressed as slight, moderate, or severe.

Slight means that soil properties are favorable for the rated use. The limitations are minor and can be easily overcome. Good performance and low maintenance are expected.

Moderate means that soil properties are moderately favorable for the rated use. The limitations can be overcome or modified by special planning, design, or maintenance. During some part of the year, the expected performance may be less desirable than that of soils rated *slight*.

Severe means that soil properties are unfavorable for the rated use. Examples of limitations are slope, bedrock near the surface, flooding, and a seasonal high water table. These limitations generally require major soil reclamation, special design, or intensive maintenance. Overcoming the limitations generally is difficult and costly.

The information in table 10, "Recreational Development," can be supplemented by other information in this survey, for example, interpretations for dwellings without basements and for local roads and streets in table 11, "Building Site Development," and interpretations for septic tank absorption fields in table 12, "Sanitary Facilities."

Engineering

This section provides information for planning land uses related to urban development and to water management. Soils are rated for various uses, and the most limiting features are identified. Ratings are given for building site development, sanitary facilities, construction materials, and water management. The ratings are based on observed performance of the soils and on the estimated data and test data in the "Soil Properties" section.

Information in this section is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil within a depth of 5 or 6 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of the soils or for testing and analysis by personnel experienced in the design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the information in this section. Local ordinances and regulations should be considered in planning, in site selection, and in design.

Soil properties, site features, and observed performance were considered in determining the ratings in this section. During the fieldwork for this soil survey, determinations were made about grain-size distribution, liquid limit, plasticity index, soil reaction, depth to bedrock, hardness of bedrock within 5 or 6 feet of the surface, soil wetness, depth to a seasonal high water table, slope, likelihood of flooding, natural soil structure aggregation, and soil density. Data were collected about kinds of clay minerals, mineralogy of the sand and silt fractions, and the kind of adsorbed cations. Estimates were made for erodibility, permeability, corrosivity, shrink-swell potential, available water capacity, and other behavioral characteristics affecting engineering uses.

This information can be used to evaluate the potential of areas for residential, commercial, industrial, and recreational uses; make preliminary estimates of construction conditions; evaluate alternative routes for roads, streets, highways, pipelines, and underground cables; evaluate alternative sites for sanitary landfills, septic tank absorption fields, and sewage lagoons; plan detailed onsite investigations of soils and geology; locate potential sources of gravel, sand, earthfill, and topsoil; plan drainage systems, irrigation systems, ponds, terraces, and other structures for soil and water conservation; and predict performance of proposed small structures and pavements by comparing the performance of existing similar structures on the same or similar soils.

The information in the tables, along with the soil maps, the soil descriptions, and other data provided in this survey, can be used to make additional interpretations.

Some of the terms used in this soil survey have a special meaning in soil science and are defined in the "Glossary."

Building Site Development

Table 11, "Building Site Development," shows the degree and kind of soil limitations that affect shallow excavations, dwellings with and without basements, small commercial buildings, local roads and streets, and lawns and landscaping. The limitations are considered *slight* if soil properties and site features generally are favorable for the indicated use and limitations are minor and easily overcome; *moderate* if soil properties or site features are not favorable for the indicated use and special planning, design, or maintenance is needed to overcome or minimize the limitations; and *severe* if soil properties or site features are so unfavorable or so difficult to overcome that special design, significant increases in construction costs, and possibly increased maintenance are required. Special feasibility studies may be required where the soil limitations are severe.

Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for basements, graves, utility lines, open ditches, and other purposes. The ratings are based on soil properties, site features, and observed performance of the soils. The ease of digging, filling, and compacting is affected by the depth to bedrock, a cemented pan, or a very firm dense layer; stone content; soil texture; and slope. The time of the year that excavations can be made is affected by the depth to a seasonal high water table and the susceptibility of the soil to flooding. The resistance of the excavation walls or banks to sloughing or caving is affected by soil texture and depth to the water table.

Dwellings and *small commercial buildings* are structures built on shallow foundations on undisturbed soil. The load limit is the same as that for single-family dwellings no higher than three stories. Ratings are made for small commercial buildings without basements, for dwellings with basements, and for dwellings without basements. The ratings are based on soil properties, site features, and observed performance

of the soils. A high water table, flooding, shrinking and swelling, and organic layers can cause the movement of footings. A high water table, depth to bedrock or to a cemented pan, large stones, and flooding affect the ease of excavation and construction. Landscaping and grading that require cuts and fills of more than 5 or 6 feet are not considered.

Local roads and streets have an all-weather surface and carry automobile and light truck traffic all year. They have a subgrade of cut or fill soil material; a base of gravel, crushed rock, or stabilized soil material; and a flexible or rigid surface. Cuts and fills generally are limited to less than 6 feet. The ratings are based on soil properties, site features, and observed performance of the soils. Depth to bedrock or to a cemented pan, a high water table, flooding, large stones, and slope affect the ease of excavating and grading. Soil strength (as inferred from the engineering classification of the soil), shrink-swell potential, potential for frost action, and depth to a high water table affect the traffic-supporting capacity.

Lawns and landscaping require soils on which turf and ornamental trees and shrubs can be established and maintained. The ratings are based on soil properties, site features, and observed performance of the soils. Soil reaction, a high water table, depth to bedrock or to a cemented pan, the available water capacity in the upper 40 inches, and the content of salts, sodium, and sulfidic materials affect plant growth. Flooding, wetness, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer affect trafficability after vegetation is established.

Sanitary Facilities

Table 12, "Sanitary Facilities," shows the degree and the kind of soil limitations that affect septic tank absorption fields, sewage lagoons, and sanitary landfills. It also shows the suitability of the soils for use as a daily cover for landfill.

Soil properties are important in selecting sites for sanitary facilities and in identifying limiting soil properties and site features to be considered in planning, design, and installation. Soil limitation ratings of *slight, moderate,* or *severe* are given for septic tank absorption fields, sewage lagoons, and trench and area sanitary landfills. Soil suitability ratings of *good, fair,* and *poor* are given for daily cover for landfill.

A rating of *slight* or *good* indicates that the soils have no limitations or that the limitations can be easily overcome. Good performance and low maintenance can be expected. A rating of *moderate* or *fair* indicates that the limitations should be recognized but generally can be overcome by good management or special design. A rating of *severe* or *poor* indicates that overcoming the limitations is difficult or impractical. Increased maintenance may be required.

Septic tank absorption fields are areas in which subsurface systems of tile or perforated pipe distribute effluent from a septic tank into the natural soil. The centerline of the tile is assumed to be at a depth of 24 inches. Only the part of the soil between depths of 24 and 60 inches is considered in making the ratings. The soil properties and site features considered are those that affect the absorption of the effluent, those that affect the construction and maintenance of the system, and those that may affect public health.

The ratings are based on soil properties, site features, and observed performance of the soils. Permeability, a high water table, depth to bedrock or to a cemented pan, and flooding affect absorption of the effluent. Large stones and bedrock or a cemented pan interfere with installation.

Unsatisfactory performance of septic tank absorption fields, including excessively slow absorption of effluent, surfacing of effluent, and hillside seepage, can affect public health. Ground water can be polluted if highly permeable sand and gravel or fractured bedrock is less than 4 feet below the base of the absorption field, if slope is excessive, or if the water table is near the surface. There must be unsaturated soil material beneath the absorption field to filter the effluent effectively. Many local ordinances require that this material be a certain thickness.

Sewage lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons should have a nearly level floor surrounded by cut slopes or embankments of compacted, relatively impervious soil material. Aerobic lagoons generally are designed to hold the sewage within a depth of 2 to 5 feet. Relatively impervious soil material for the lagoon floor and sides is desirable to minimize seepage and contamination of local ground water.

Table 12, "Sanitary Facilities," gives ratings for the natural soil that makes up the lagoon floor. The surface layer and, generally, 1 or 2 feet of soil material below the surface layer are excavated to provide material for the embankments. The ratings are based on soil properties, site features, and observed performance of the soils. Considered in the ratings are slope, permeability, a high water table, depth to bedrock or to a cemented pan, flooding, large stones, and content of organic matter.

Excessive seepage resulting from rapid permeability in the soil or a water table that is high enough to raise the level of sewage in the lagoon causes a lagoon to function unsatisfactorily. Pollution results if seepage is excessive or if floodwater overtops the lagoon. A high content of organic matter is detrimental to proper functioning of the lagoon because it inhibits aerobic activity. Slope, bedrock, and cemented pans can cause construction problems, and large stones can hinder compaction of the lagoon floor.

Trench sanitary landfill is an area where solid waste is disposed of by placing refuse in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil that is excavated from the trench. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. Soil properties that influence the risk of pollution, the ease of excavation, trafficability, and

revegetation are the major considerations in rating the soils.

Area sanitary landfill is an area where solid waste is disposed of by placing refuse in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil that is imported from a source away from the site. A final cover of soil at least 2 feet thick is placed over the completed landfill. Soil properties that influence trafficability, revegetation, and the risk of pollution are the main considerations in rating the soils for area sanitary landfills.

Both types of landfill must be able to bear heavy vehicular traffic. Both types involve a risk of ground-water pollution. The ratings in table 12, "Sanitary Facilities," are based on soil properties, site features, and observed performance of the soils. Permeability, depth to bedrock or to a cemented pan, a high water table, slope, and flooding affect both types of landfill. Texture, stones and boulders, highly organic layers, soil reaction, and content of salts and sodium affect trench type landfills. Unless otherwise stated, the ratings apply only to that part of the soil within a depth of about 6 feet. For deeper trenches, a limitation rated slight or moderate may not be valid. Onsite investigation is needed.

Daily cover for landfill is the soil material that is used to cover compacted solid waste in an area sanitary landfill. The soil material is obtained offsite, transported to the landfill, and spread over the waste. The suitability of a soil for use as cover is based on properties that affect workability and the ease of digging, moving, and spreading the material over the refuse daily during both wet and dry periods.

Soil texture, wetness, rock fragments, and slope affect the ease of removing and spreading the material during wet and dry periods. Loamy or silty soils that are free of large stones or excess gravel are the best cover for a landfill. Clayey soils are sticky or cloddy and are difficult to spread; sandy soils are subject to soil blowing.

After soil material has been removed, the soil material remaining in the borrow area must be thick enough over bedrock, a cemented pan, or the water table to permit revegetation. The soil material used as final cover for a landfill should be suitable for plants. The surface layer generally has the best workability, more organic matter, and the best potential for plants. Material from the surface layer should be stockpiled for use as the final cover.

Waste Management

Soil properties are important when organic waste is applied as fertilizer and wastewater is applied in irrigated areas. They also are important when the soil is used as a medium for the treatment and disposal of the organic waste and wastewater. Unfavorable soil properties can result in environmental damage.

The use of organic waste and wastewater as production resources results in energy and resource conservation and minimizes the problems associated with waste disposal. If disposal is the goal, applying a maximum amount of the organic waste or the wastewater to a minimal area holds costs to a minimum and environmental damage is the main hazard. If reuse is the goal, a minimum amount should be applied to a maximum area and environmental damage is unlikely.

Interpretations developed for waste management may include ratings for manure- and food-processing waste, municipal sewage sludge, use of wastewater for irrigation, and treatment of wastewater by slow rate, overland flow, and rapid infiltration processes.

Specific information regarding waste management is available at the local office of the Natural Resources Conservation Service or Cooperative Extension.

Construction Materials

Table 13, "Construction Materials," gives information about the soils as a source of roadfill, sand, gravel, and topsoil. The soils are rated *good, fair,* or *poor* as a source of roadfill and topsoil. They are rated as a *probable* or *improbable* source of sand and gravel.

Roadfill is soil material that is excavated in one place and used in road embankments in another place. In table 13, "Construction Materials," the soils are rated as a source of roadfill for low embankments, generally less than 6 feet high and less exacting in design than higher embankments.

The ratings are for the soil material below the surface layer to a depth of 5 or 6 feet. It is assumed that soil layers will be mixed during excavating and spreading. Many soils have layers of contrasting suitability within their profile. Table 15, "Engineering Index Properties," provides detailed information about each soil layer. This information can help to determine the suitability of each layer for use as roadfill. The performance of soil after it is stabilized with lime or cement is not considered in the ratings.

The ratings are based on soil properties, site features, and observed performance of the soils. The thickness of suitable material is a major consideration. The ease of excavation is affected by large stones, a high water table, and slope. How well the soil performs in place after it has been compacted and drained is determined by its strength (as inferred from the engineering classification of the soil) and shrink-swell potential.

Soils rated *good* contain significant amounts of sand or gravel, or both. They have at least 5 feet of suitable material, a low shrink-swell potential, few cobbles and stones, and slopes of 15 percent or less. Depth to the water table is more than 3 feet. Soils rated *fair* are more than 35 percent silt- and clay-sized particles and have a plasticity index of less than 10. They have a moderate shrink-swell potential, slopes of 15 to 25 percent, or many stones. Depth to the water table is 1 to 3 feet. Soils rated *poor* have one or more of the following characteristics: a plasticity index of more than 10, a high shrink-swell potential, many stones, slopes of more than 25 percent, or a water table at a

depth of less than 1 foot. They may have layers of suitable material, but the material is less than 3 feet thick.

Sand and *gravel* are natural aggregates suitable for commercial use with a minimum of processing. They are used in many kinds of construction. Specifications for each use vary widely. In table 13, "Construction Materials," only the probability of finding material in suitable quantity in or below the soil is evaluated. The suitability of the material for specific purposes is not evaluated, nor are factors that affect excavation of the material.

The properties used to evaluate the soil as a source of sand or gravel are gradation of grain sizes (as indicated by the engineering classification of the soil), the thickness of suitable material, and the content of rock fragments. Kinds of rock, acidity, and stratification are given in the soil series descriptions. Gradation of grain sizes is given in table 15, "Engineering Index Properties."

A soil rated as a probable source has a layer of clean sand or gravel or a layer of sand or gravel that is as much as 12 percent silty fines. This material must be at least 3 feet thick and less than 50 percent, by weight, large stones. All other soils are rated as an improbable source. Fragments of soft bedrock, such as shale and siltstone, are not considered to be sand and gravel.

Topsoil is used to cover an area so that vegetation can be established and maintained. The upper 40 inches of a soil is evaluated for use as topsoil. Also evaluated is the reclamation potential of the borrow area.

Plant growth is affected by toxic material and by such properties as soil reaction, available water capacity, and fertility. The ease of excavating, loading, and spreading is affected by rock fragments, slope, a water table, soil texture, and thickness of suitable material. Reclamation of the borrow area is affected by slope, a water table, rock fragments, bedrock, and toxic material.

Soils rated *good* have friable, loamy material to a depth of at least 40 inches. They are free of stones and cobbles, have little or no gravel, and have slopes of less than 8 percent. They are low in content of soluble salts, are naturally fertile or respond well to fertilizer, and are not so wet that excavation is difficult.

Soils rated *fair* are sandy soils, loamy soils that have a relatively high content of clay, soils that have only 20 to 40 inches of suitable material, soils that have an appreciable amount of gravel, stones, or soluble salts, or soils that have slopes of 8 to 15 percent. The soils are not so wet that excavation is difficult.

Soils rated *poor* are very sandy or clayey; have less than 20 inches of suitable material; have a large amount of gravel, stones, or soluble salts; have slopes of more than 15 percent; or have a seasonal high water table at or near the surface.

The surface layer of most soils generally is preferred for topsoil because of its organic matter content. Organic matter greatly increases the absorption and retention of moisture and nutrients for plant growth.

Water Management

Table 14, "Water Management," gives information on the soil properties and site features that affect water management. The degree and kind of soil limitations are given for pond reservoir areas; embankments, dikes, and levees; and aquifer-fed excavated ponds. The limitations are considered *slight* if soil properties and site features generally are favorable for the indicated use and limitations are minor and are easily overcome; *moderate* if soil properties or site features are not favorable for the indicated use and special planning, design, or maintenance is needed to overcome or minimize the limitations; and *severe* if soil properties or site features are so unfavorable or so difficult to overcome that special design, significant increase in construction costs, and possibly increased maintenance are required.

This table also gives for each soil the restrictive features that affect drainage, irrigation, terraces and diversions, and grassed waterways.

Pond reservoir areas hold water behind a dam or embankment. Soils best suited to this use have low seepage potential in the upper 60 inches. The seepage potential is determined by the permeability of the soil and the depth to fractured bedrock or other permeable material. Excessive slope can affect the storage capacity of the reservoir area.

Embankments, dikes, and levees are raised structures of soil material, generally less than 20 feet high, constructed to impound water or to protect land against overflow. In table 14, "Water Management," the soils are rated as a source of material for embankment fill. The ratings apply to the soil material below the surface layer to a depth of about 5 feet. It is assumed that soil layers will be uniformly mixed and compacted during construction.

The ratings do not indicate the ability of the natural soil to support an embankment. Soil properties to a depth even more than the height of the embankment can affect performance and safety of the embankment. Generally, deeper onsite investigation is needed to determine these properties.

Soil material in embankments must be resistant to seepage, piping, and erosion and have favorable compaction characteristics. Unfavorable features include less than 5 feet of suitable material and a high content of stones or boulders, organic matter, or salts or sodium. A high water table affects the amount of usable material. It also affects trafficability.

Aquifer-fed excavated ponds are pits or dugouts that extend to a ground-water aquifer or to a depth below a permanent water table. Excluded are ponds that are fed only by surface runoff and embankment ponds that impound water 3 feet or more above the original surface. Excavated ponds are affected by depth to a permanent water table, permeability of the aquifer, and

quality of the water as inferred from the salinity of the soil. Depth to bedrock and the content of large stones affect the ease of excavation.

Drainage is the removal of excess surface and subsurface water from the soil. How easily and effectively the soil is drained depends on the depth to bedrock, to a cemented pan, or to other layers that affect the rate of water movement; permeability; depth to a high water table or depth of standing water if the soil is subject to ponding; slope; susceptibility to flooding; subsidence of organic layers; and the potential for frost action. Excavating and grading and the stability of ditchbanks are affected by depth to bedrock or to a cemented pan, large stones, slope, and the hazard of cutbanks caving. The productivity of the soil after drainage is adversely affected by extreme acidity or by toxic substances in the root zone, such as salts, sodium, or sulfur. Availability of drainage outlets is not considered in the ratings.

Irrigation is the controlled application of water to supplement rainfall and support plant growth. The design and management of an irrigation system are affected by depth to the water table, the need for drainage, flooding, available water capacity, intake rate, permeability, erosion hazard, and slope. The construction of a system is affected by large stones and depth to bedrock or to a cemented pan. The performance of a system is affected by the depth of the root zone, the amount of salts or sodium, and soil reaction.

Terraces and diversions are embankments or a combination of channels and ridges constructed across a slope to control erosion and conserve moisture by intercepting runoff.

Slope, wetness, large stones, and depth to bedrock or to a cemented pan affect the construction of terraces and diversions. A restricted rooting depth, a severe hazard of soil blowing or water erosion, an excessively coarse texture, and restricted permeability adversely affect maintenance.

Grassed waterways are natural or constructed channels, generally broad and shallow, that conduct surface water to outlets at a nonerosive velocity. Large stones, wetness, slope, and depth to bedrock or to a cemented pan affect the construction of grassed waterways. A hazard of soil blowing, low available water capacity, restricted rooting depth, toxic substances such as salts or sodium, and restricted permeability adversely affect the growth and maintenance of the grass after construction.

Soil Properties

Data relating to soil properties are collected during the course of the soil survey. The data and the estimates of soil and water features listed in tables are explained on the following pages.

Soil properties are determined by field examination of the soils and by laboratory index testing of some benchmark soils. Established standard procedures are followed. During the survey, many shallow borings are made and examined to identify and classify the soils and to delineate them on the soil maps. Samples are taken from some typical profiles and tested in the laboratory to determine grain-size distribution, plasticity, and compaction characteristics.

Estimates of soil properties are based on field examinations, on laboratory tests of samples from the survey area, and on laboratory tests of samples of similar soils in nearby areas. Tests verify field observations, verify properties that cannot be estimated accurately by field observation, and help to characterize key soils.

The estimates of soil properties shown in the tables include the range of grain-size distribution and Atterberg limits, the engineering classification, and the physical and chemical properties of the major layers of each soil. Pertinent soil and water features also are given.

Engineering Index Properties

Table 15, "Engineering Index Properties," gives estimates of the engineering classification and of the range of index properties for the major layers of each soil in the survey area. Most soils have layers of contrasting properties within the upper 5 or 6 feet.

Depth to the upper and lower boundaries of each layer is indicated. The range in depth and information on other properties of each layer are given in the series descriptions in Part I of this survey.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is as much as 15 percent, an appropriate modifier is added, for example, "gravelly." Textural terms are defined in the "Glossary."

Classification of the soils is determined according to the system adopted by the American Association of State Highway and Transportation Officials *(1)* and the Unified soil classification system *(2)*.

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to grain-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, SP-SM.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of grain-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage.

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination.

The estimates of grain-size distribution, liquid limit, and plasticity index are generally rounded to the nearest 5 percent. Thus, if the ranges of gradation and Atterberg limits extend a marginal amount (1 or 2 percentage points) across classification boundaries, the

classification in the marginal zone is omitted in the table.

Physical and Chemical Properties

Table 16, "Physical Properties of the Soils," and table 17, "Chemical Properties of the Soils," show estimates of some characteristics and features that affect soil behavior. These estimates are given for the major layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated. The range in depth and information on other properties of each layer are given in the series descriptions in Part I of this survey.

Clay as a soil separate, or component, consists of mineral soil particles that are less than 0.002 millimeter in diameter. The estimated clay content of each major soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The amount and kind of clay greatly affect the fertility and physical condition of the soil. They determine the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, permeability, plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earth-moving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3-bar moisture tension. Weight is determined after drying the soil at 105 degrees C. In table 16, "Physical Properties of the Soils," the estimated moist bulk density of each major soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. A bulk density of more than 1.6 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Permeability refers to the ability of a soil to transmit water or air. The estimates indicate the rate of downward movement of water when the soil is saturated. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Permeability is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each major soil layer. The capacity varies depending on soil properties that affect the retention of water and the depth of the root zone. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Shrink-swell potential is the potential for volume change in a soil with a loss or gain in moisture. Volume change occurs mainly because of the interaction of clay minerals with water and varies with the amount and type of clay minerals in the soil. The size of the load on the soil and the magnitude of the change in soil moisture content influence the amount of swelling of soils in place. Laboratory measurements of swelling of undisturbed clods were made for many soils. For others, swelling was estimated on the basis of the kind and amount of clay minerals in the soil and on measurements of similar soils.

If the shrink-swell potential is rated moderate to very high, shrinking and swelling can cause damage to buildings, roads, and other structures. Special design is often needed.

Shrink-swell potential classes are based on the change in length of an unconfined clod as moisture content is increased from air-dry to field capacity. The classes are *low*, a change of less than 3 percent; *moderate*, 3 to 6 percent; and *high*, more than 6 percent. *Very high*, more than 9 percent, is sometimes used.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In table 16, "Physical Properties of Soils," the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained or increased by returning crop residue to the soil. Organic matter affects the available water capacity, infiltration rate, and tilth. It is a source of nitrogen and other nutrients for crops.

Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) to predict the average rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, very fine sand, sand, and organic matter (as much as 4 percent) and on soil structure and permeability. The estimates are modified by the presence of rock fragments. Values of K range from 0.02 to 0.69. The higher the value, the more susceptible the soil is to sheet and rill erosion.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average rate of soil erosion by wind or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their resistance to soil blowing in cultivated areas. The groups indicate the

susceptibility of soil to soil blowing. Soils are grouped according to the following distinctions:

1. Coarse sands, sands, fine sands, and very fine sands. These soils generally are not suitable for crops. They are extremely erodible and vegetation is difficult to establish.
2. Loamy coarse sands, loamy sands, loamy fine sands, loamy very fine sands, and sapric soil material. These soils are very highly erodible. Crops can be grown if intensive measures to control soil blowing are used.
3. Coarse sandy loams, sandy loams, fine sandy loams, and very fine sandy loams. These soils are highly erodible. Crops can be grown if intensive measures to control soil blowing are used.

4L. Calcareous loams, silt loams, clay loams, and silty clay loams that have more than 5 percent finely divided calcium carbonate. These soils are highly erodible. Crops can be grown if intensive measures to control soil blowing are used.

4. Clays, silty clays, noncalcareous clay loams, and silty clay loams that are more than 35 percent clay. These soils are moderately erodible. Crops can be grown if measures to control soil blowing are used.
5. Noncalcareous loams and silt loams that are less than 20 percent clay and sandy clay loams, sandy clays, and hemic soil material. These soils have less than 5 percent finely divided calcium carbonate. These soils are moderately erodible. Crops can be grown if measures to control soil blowing are used.
6. Noncalcareous loams and silt loams that are more than 20 percent clay and noncalcareous clay loams that are less than 35 percent clay. These soils have less than 5 percent finely divided calcium carbonate. These soils are moderately erodible. Crops can be grown if ordinary measures to control soil blowing are used.
7. Silts, noncalcareous silty clay loams that are less than 35 percent clay, and fibric soil material. These soils have less than 5 percent finely divided calcium carbonate. These soils are very slightly erodible. Crops can be grown if ordinary measures to control soil blowing are used.
8. Soils that are not subject to soil blowing because of rock fragments on the surface or because of surface wetness.

Wind erodibility index is a numerical value indicating the susceptibility of soil to soil blowing, or the tons per acre per year that can be expected to be lost to soil blowing. There is a close correlation between soil blowing and the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence soil blowing.

Cation-exchange capacity is the total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. Soils having a low cation-exchange capacity hold fewer cations and may require more frequent applications of fertilizer than soils having a high cation-exchange capacity. Soils having a high cation-exchange capacity can retain cations. The ability to retain cations helps to prevent the pollution of ground water.

Soil reaction is a measure of acidity or alkalinity and is expressed as a range in pH values. The range in pH of each major horizon is based on many field tests. For many soils, values have been verified by laboratory analyses. Soil reaction is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion.

Calcium carbonate equivalent is the percent of carbonates, by weight, in the soil. The availability of plant nutrients is influenced by the amount of carbonates in the soil. Incorporating nitrogen fertilizer into calcareous soils helps to prevent nitrite accumulation and ammonium-N volatilization.

Gypsum is given as the percent, by weight, of hydrated calcium sulfates in the soil. Gypsum is partially soluble in water and can be dissolved and removed by water. Soils that have a high content of gypsum (more than 10 percent) may collapse if the gypsum is removed by percolating water.

Salinity is a measure of soluble salts in the soil at saturation. It is expressed as the electrical conductivity of the saturation extract, in millimhos per centimeter at 25 degrees C. Estimates are based on field and laboratory measurements at representative sites of nonirrigated soils. The salinity of irrigated soils is affected by the quality of the irrigation water and by the frequency of water application. Hence, the salinity of soils in individual fields can differ greatly from the value given in the table. Salinity affects the suitability of a soil for crop production, the stability of the soil if used as construction material, and the potential of the soil to corrode metal and concrete.

Sodium adsorption ratio is the measure of sodium relative to calcium and magnesium in the water extract from saturated soil paste. Soils having a sodium adsorption ratio of 13 or more may be characterized by an increased dispersion of organic matter and clay particles, reduced permeability and aeration, and a general degradation of soil structure.

Water Features

Table 18, "Water Features," gives estimates of several important water features used in land use planning that involves engineering considerations. These features are described in the following paragraphs.

Hydrologic soil groups are groups of soils that, when saturated, have the same runoff potential under similar storm and ground cover conditions. The soil properties that affect the runoff potential are those that influence the minimum rate of infiltration in a bare soil after prolonged wetting and when the soil is not frozen. These properties include the depth to a seasonal high water table, the intake rate, permeability after prolonged wetting, and the depth to a very slowly permeable layer. The influences of ground cover and

slope are treated independently and are not taken into account in hydrologic soil groups.

In the definitions of the hydrologic soil groups, the infiltration rate is the rate at which water enters the soil at the surface and is controlled by surface conditions. The transmission rate is the rate at which water moves through the soil and is controlled by properties of the soil layers.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist chiefly of very deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well or well drained soils that have a moderately fine to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils that have a moderately fine or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clayey soils that have a high shrink-swell potential, soils that have a permanent high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

Flooding, the temporary covering of the soil surface by flowing water, is caused by overflow from streams or by runoff from adjacent slopes. Shallow water standing or flowing for short periods after rainfall or snowmelt is not considered flooding. Standing water in marshes and swamps or in closed depressions is considered to be ponding.

The table "Water Features" gives the frequency and duration of flooding and the time of year when flooding is most likely to occur. Frequency, duration, and probable dates of occurrence are estimated. Frequency generally is expressed as none, rare, occasional, or frequent. *None* means flooding is not probable; *rare* that it is unlikely but is possible under unusual weather conditions (the chance of flooding is nearly 0 percent to 5 percent in any year); *occasional* that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); and *frequent* that it occurs often under normal weather conditions (the chance of flooding is 50 percent in any year). The term *common* includes both frequent and occasional flooding.

Duration is expressed as *very brief* (less than 2 days), *brief* (2 to 7 days), *long* (7 to 30 days), and *very long* (more than 30 days). The time of year that flooding is most likely to occur is expressed in months. About two-thirds to three-fourths of all flooding occurs during the stated period.

The information on flooding is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and level of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

High water table (seasonal) is a zone of saturation at the highest average depth during the wettest season. It is at least 6 inches thick, persists in the soil for more than a few weeks, and is within 6 feet of the surface. Indicated in the table "Water Features" are the depth to the seasonal high water table, the kind of water table, and the months of the year when the water table usually is highest.

An *apparent* water table is indicated by the level at which water stands in a freshly dug, unlined borehole after adequate time for adjustments in the surrounding soil.

A *perched* water table is one that is above an unsaturated zone in the soil. The basis for determining that a water table is perched may be general knowledge of the area. The water table is proven to be perched if the water level in a borehole is observed to fall when the borehole is extended.

Two numbers in the column showing depth to the water table indicate the normal range in depth to a saturated zone. Depth is given to the nearest half foot. The first numeral in the range indicates the highest water level. A plus sign preceding the range in depth indicates that the water table is above the surface of the soil. "More than 6.0" indicates that the water table is below a depth of 6 feet or that it is within a depth of 6 feet for less than a month.

Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation.

Soil Features

Table 19, "Soil Features," gives estimates of several important soil features used in land use planning that involves engineering considerations. These features are described in the following paragraphs.

Depth to bedrock is given if bedrock is within a depth of 60 inches. The depth is based on many soil borings and on observations during soil mapping. The rock is specified as either soft or hard. If the rock is soft or fractured, excavations can be made with trenching machines, backhoes, or small rippers. If the rock is hard or massive, blasting or special equipment generally is needed for excavation.

A *cemented pan* is a nearly continuous layer of indurated or strongly cemented material that is hard and brittle. The particles are held together by

cementing substances, such as calcium carbonate and oxides of silicon, iron, or aluminum. Pans are identified when they are within a depth of 60 inches. They are classified as thin or thick. A *thin* pan can be excavated by trenching machines, backhoes, small rippers, and other equipment commonly used to dig excavations for pipelines, sewer lines, and graves. A *thick* pan is so thick or massive that blasting or special equipment is needed when excavations are made.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. Table 19, "Soil Features," shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, permeability, content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage mainly to pavements and other rigid structures.

A *low* potential for frost action indicates that the soil is rarely susceptible to the formation of ice lenses; a *moderate* potential indicates that the soil is susceptible to formation of ice lenses, resulting in frost heave and the subsequent loss of soil strength; and a *high* potential indicates that the soil is highly susceptible to formation of ice lenses, resulting in frost heave and the subsequent loss of soil strength.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that dissolves or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil.

Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than steel in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low, moderate,* or *high*, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion is also expressed as *low, moderate,* or *high*. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

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Glossary

Aeration, soil. The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

Aggregate, soil. Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

Alkali (sodic) soil. A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Alluvial cone. The material washed down the sides of mountains and hills by ephemeral streams and deposited at the mouth of gorges in the form of a moderately steep, conical mass descending equally in all directions from the point of issue.

Alluvial fan. The fanlike deposit of a stream where it issues from a narrow valley upon a plain, or of a tributary stream near or at its junction with its main stream.

Alluvial flat. A nearly level, graded, alluvial surface in bolsons and semi-bolsons. Commonly, an alluvial flat does not manifest terraces or floodplain levels.

Alluvium. Material, such as sand, silt, or clay, deposited on land by streams.

Alpha,alpha-dipridyl. A dye that when dissolved in 1N ammonium acetate is used to detect the presence of reduced iron (Fe II) in the soil. A positive reaction indicates a type of redoximorphic feature.

Animal unit month (AUM). The amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

Aquic conditions. Current soil wetness characterized by saturation, reduction, and redoximorphic features.

Area reclaim (in tables). An area difficult to reclaim after the removal of soil for construction and other uses. Revegetation and erosion control are extremely difficult.

Argillic horizon. A subsoil horizon characterized by an accumulation of illuvial clay.

Argillite. Weakly metamorphosed mudstone or shale.

Arroyo. The flat-floored channel of an ephemeral stream, commonly with very steep to vertical banks cut in alluvium.

Aspect. The direction in which a slope faces.

Association, soil. A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

Available water capacity (available moisture capacity). The capacity of soils to hold water available for use by most plants. It is commonly defined as the difference between the amount of soil water at field moisture capacity and the amount at wilting point. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

Very low	0 to 3.5
Low	3.5 to 5
Moderate	5 to 7.5
High	more than 7.5

Avalanche chute. The track or path formed by an avalanche.

Back slope. The geomorphic component that forms the steepest inclined surface and principal element of many hillsides. Back slopes in profile are commonly steep, are linear, and may or may not include cliff segments.

Backswamp. A floodplain landform of extensive, marshy, or swampy, depressed areas of flood plains between natural levees and valley sides or terraces.

Badland. Steep or very steep, commonly nonstony, barren land dissected by many intermittent drainage channels. Badland is most common in semiarid and arid regions where streams are entrenched in soft geologic material. Local relief generally ranges from 25 to 500 feet. Runoff potential is very high, and geologic erosion is active.

Ballena. A fan remnant having a distinctively-rounded surface of fan alluvium. The ballena's broadly rounded shoulders meet from either side to form a narrow summit and merge smoothly with concave, short pediments which form smoothly-rounded drainageways between adjacent ballenas. A partial

ballena is a fan remnant large enough to retain some relict fan surface on a remnant summit.

Barrier beach. A wide gently sloping portion of a bolson floor comprising numerous, parallel, relict longshore-bars and lagoons built by a receding pluvial lake.

Basal area. The area of a cross section of a tree, generally referring to the section at breast height and measured outside the bark. It is a measure of stand density, commonly expressed in square feet.

Base saturation. The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, K), expressed as a percentage of the total cation-exchange capacity.

Basin floor. A general term for the nearly level, lowermost part of intermontane basins (i.e., bolson, semi-bolsons). The basin floor includes all of the alluvial, eolian, and erosional landforms below the piedmont slope.

Beach terrace. The relict shorelines from pluvial lakes, generally restricted to valley sides.

Bedding planes. Fine strata, less than 5 millimeters thick, in unconsolidated alluvial, eolian, lacustrine, or marine sediment.

Bedding system. A drainage system made by plowing, grading, or otherwise shaping the surface of a flat field. It consists of a series of low ridges separated by shallow, parallel dead furrows.

Bedrock. The solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

Bedrock-controlled topography. A landscape where the configuration and relief of the landforms are determined or strongly influenced by the underlying bedrock.

Bench terrace. A raised, level or nearly level strip of earth constructed on or nearly on a contour, supported by a barrier of rocks or similar material, and designed to make the soil suitable for tillage and to prevent accelerated erosion.

Bisequum. Two sequences of soil horizons, each of which consists of an illuvial horizon and the overlying eluvial horizons.

Blowout. A shallow depression from which all or most of the soil material has been removed by wind. A blowout has a flat or irregular floor formed by a resistant layer or by an accumulation of pebbles or cobbles. In some blowouts, the water table is exposed.

Board foot. A unit of measure of the wood in lumber, logs, or trees. The amount of wood in a board one foot wide, one foot long, and one inch thick before finishing.

Bolson. A landscape term for an internally drained intermontane basin into which drainages from surrounding mountains converge inward toward a central depression.

Boulders. Rock fragments larger than 2 feet (60 centimeters) in diameter.

Breaks. The steep and very steep broken land at the border of an upland summit that is dissected by ravines.

Breast height. An average height of 4.5 feet above the ground surface; the point on a tree where diameter measurements are ordinarily taken.

Brush management. Use of mechanical, chemical, or biological methods to make conditions favorable for reseeding or to reduce or eliminate competition from woody vegetation and thus allow understory grasses and forbs to recover. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.

Butte. An isolated small mountain or hill with steep or precipitous sides and a top variously flat, rounded, or pointed that may be a residual mass isolated by erosion or an exposed volcanic neck.

Calcareous soil. A soil containing enough calcium carbonate (commonly combined with magnesium carbonate) to effervesce visibly when treated with cold, dilute hydrochloric acid.

Caldera. A large, more or less circular depression, formed by explosion and/or collapse, which surrounds a volcanic vent or vents, and whose diameter is much greater than that of the included vent, or vents.

Caliche. A more or less cemented deposit of calcium carbonate in soils of warm-temperate, subhumid to arid areas. Caliche occurs as soft, thin layers in the soil or as hard, thick beds directly beneath the solum, or it is exposed at the surface by erosion.

California bearing ratio (CBR). The load-supporting capacity of a soil as compared to that of a standard crushed limestone, expressed as a ratio. First standardized in California. A soil having a CBR of 16 supports 16 percent of the load that would be supported by standard crushed limestone, per unit area, with the same degree of distortion.

Canopy. The leafy crown of trees or shrubs. (See Crown.)

Canyon. A long, deep, narrow, very steep sided valley with high, precipitous walls in an area of high local relief.

Capillary water. Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.

Catena. A sequence, or "chain," of soils on a landscape that formed in similar kinds of parent material but

have different characteristics as a result of differences in relief and drainage.

Cation. An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.

Cation-exchange capacity. The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

Channeled. Refers to a drainage area in which natural meandering or repeated branching and convergence of a streambed have created deeply incised cuts, either active or abandoned, in alluvial material.

Channery soil material. Soil material that is, by volume, 15 to 35 percent thin, flat fragments of sandstone, shale, slate, limestone, or schist as much as 6 inches (15 centimeters) along the longest axis. A single piece is called a channer.

Chemical treatment. Control of unwanted vegetation through the use of chemicals.

Chiseling. Tillage with an implement having one or more soil-penetrating points that shatter or loosen hard, compacted layers to a depth below normal plow depth.

Clay. As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

Clay depletions. Low-chroma zones having a low content of iron, manganese, and clay because of the chemical reduction of iron and manganese and the removal of iron, manganese, and clay. A type of redoximorphic depletion.

Clayey soil. Silty clay, sandy clay, or clay.

Clay film. A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.

Claypan. A slowly permeable soil horizon that contains much more clay than the horizons above it. A claypan is commonly hard when dry and plastic or stiff when wet.

Clearcut. A method of forest harvesting that removes the entire stand of trees in one cutting. Reproduction is achieved artificially or by natural seeding from adjacent stands.

Climax plant community. The stabilized plant community on a particular site. The plant cover reproduces itself and does not change so long as the environment remains the same.

Closed depression. A low area completely surrounded by higher ground and having no natural outlet.

Coarse fragments. Mineral or rock particles larger than 2 millimeters in diameter.

Coarse textured soil. Sand or loamy sand.

Cobble (or cobblestone). A rounded, partly rounded, or angular fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter.

Cobbly soil material. Material that is 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material is 35 to 60 percent of these rock fragments, and extremely cobbly soil material is more than 60 percent.

Codominant trees. Trees whose crowns form the general level of the forest canopy and that receive full light from above but comparatively little from the sides.

Colluvium. Unconsolidated, unsorted earth material moved and deposited by mass movement on sideslopes and at the base of slopes.

Commercial forest. Forest land capable of producing 20 cubic feet or more per acre per year at the culmination of mean annual increment.

Complex slope. Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.

Complex, soil. A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.

Compressible (in tables). Excessive decrease in volume of soft soil under load.

Concretions. Cemented bodies with crude internal symmetry organized around a point, a line, or a plane that typically takes the form of concentric layers visible to the naked eye. Calcium carbonate, iron oxide, and manganese oxide are common compounds making up concretions. If formed in place, concretions of iron oxide or manganese oxide are generally considered a type of redoximorphic concentration.

Conglomerate. A coarse grained, clastic rock composed of rounded to subangular rock fragments more than 2 millimeters in diameter. It commonly has a matrix of sand and finer textured material. Conglomerate is the consolidated equivalent of gravel.

Conservation cropping system. Growing crops in combination with needed cultural and management practices. In a good conservation cropping system, the soil-improving crops and practices more than offset the soil-depleting crops and practices. Cropping systems are needed on all tilled soils. Soil-

improving practices in a conservation cropping system include the use of rotations that contain grasses and legumes and the return of crop residue to the soil. Other practices include the use of green manure crops of grasses and legumes, proper tillage, adequate fertilization, and weed and pest control.

Conservation tillage. A tillage system that does not invert the soil and that leaves a protective amount of crop residue on the surface throughout the year.

Consistence, soil. Refers to the degree of cohesion and adhesion of soil material and its resistance to deformation when ruptured. Consistence includes resistance of soil material to rupture and to penetration; plasticity, toughness, and stickiness of puddled soil material; and the manner in which the soil material behaves when subject to compression. Terms describing consistence are defined in the "Soil Survey Manual."

Contour stripcropping. Growing crops in strips that follow the contour. Strips of grass or close-growing crops are alternated with strips of clean-tilled crops or summer fallow.

Control section. The part of the soil on which classification is based. The thickness varies among different kinds of soil, but, for many, it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.

Coprogenous earth (sedimentary peat). Fecal material deposited in water by aquatic organisms.

Corrosion. Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.

Cover crop. A close-growing crop grown primarily to improve and protect the soil between periods of regular crop production, or a crop grown between trees and vines in orchards and vineyards.

Cropping system. Growing crops according to a planned system of rotation and management practices.

Crop residue management. Returning crop residue to the soil, which helps to maintain soil structure, organic matter content, and fertility and helps to control erosion.

Cross-slope farming. Deliberately conducting farming operations on sloping farmland in such a way that tillage is across the general slope.

Crown. The upper part of a tree or shrub, including the living branches and their foliage.

Cuesta. A hill or ridge that has a gentle slope on one side and a steep slope on the other; specifically, an asymmetric, homoclinal ridge capped by resistant rock layers of slight or moderate dip.

Culmination of the mean annual increment (CMAI). The average annual increase per acre in the volume of a stand. Computed by dividing the total volume of the stand by its age. As the stand increases in age, the mean annual increment continues to increase until mortality begins to reduce the rate of increase. The point where the stand reaches its maximum annual rate of growth is called the culmination of the mean annual increment.

Cutbanks cave (in tables). The walls of excavations tend to cave in or slough.

Decreasers. The most heavily grazed climax range plants. Because they are the most palatable, they are the first to be destroyed by overgrazing.

Deep soil. A soil that is 40 to 60 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Deferred grazing. Postponing grazing or resting grazing land for a prescribed period.

Delta. A body of alluvium having a surface that is nearly flat and fan shaped, deposited at or near the mouth of a river or stream where it enters a body of relatively quiet water, generally a sea or lake.

Dense layer (in tables). A very firm, massive layer that has a bulk density of more than 1.8 grams per cubic centimeter. Such a layer affects the ease of digging and can affect filling and compacting.

Depth, soil. Generally, the thickness of the soil over bedrock. Very deep soils are more than 60 inches deep over bedrock; deep soils, 40 to 60 inches; moderately deep, 20 to 40 inches; shallow, 10 to 20 inches; and very shallow, less than 10 inches.

Depth to rock (in tables). Bedrock is too near the surface for the specified use.

Desert pavement. On a desert surface, a layer of gravel or larger fragments that was emplaced by upward movement of the underlying sediments or that remains after finer particles have been removed by running water or the wind.

Dip slope. A slope of the land surface, roughly determined by and approximately conforming to the dip of the underlying bedrock.

Diversion (or diversion terrace). A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.

Divided-slope farming. A form of field stripcropping in which crops are grown in a systematic arrangement of two strips, or bands, across the slope to reduce the hazard of water erosion. One strip is in a close-growing crop that provides protection from erosion, and the other strip is in a crop that provides less protection from erosion. This practice is used where slopes are not long enough to permit a full stripcropping pattern to be used.

Dominant trees. Trees whose crowns form the general level of the forest canopy and that receive full light from above and from the sides.

Drainage class (natural). Refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized: excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."

Drainage, surface. Runoff, or surface flow of water, from an area.

Drainageway. An area of ground at a lower elevation than the surrounding ground and in which water collects and is drained to a closed depression or lake or to a drainageway at a lower elevation. A drainageway may or may not have distinctly incised channels at its upper reaches or throughout its course.

Duff. A generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is in the process of decomposition and includes everything from the litter on the surface to underlying pure humus.

Dune. A mound, ridge, or hill of loose, windblown granular material (generally sand), either bare or covered with vegetation.

Ecological Site. A distinctive kind of rangeland or grazed forestland that has a unique historic potential native plant community. Ecological sites are the products of all the environmental factors that affect their development. An ecological site is capable of supporting a native plant community that has a unique kind and/or proportion of species or total vegetative production. Ecological sites in grazed forestland include both overstory and understory vegetation.

Effervescence. The quality of a soil measured when drops of diluted (1:10) hydrochloric acid (HCL) are added to the soil. The ratings are as follows:

Very slightly effervescent..... few bubbles
Slightly effervescent .....bubbles readily
Strongly effervescent.....bubbles form low foam
Violently effervescent ..... bubbles form thick foam quickly

Eluviation. The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.

Endosaturation. A type of saturation of the soil in which all horizons between the upper boundary of saturation and a depth of 2 meters are saturated.

Eolian soil material. Earthy parent material accumulated through wind action; commonly refers to sandy material in dunes or to loess in blankets on the surface.

Ephemeral stream. A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.

Episaturation. A type of saturation indicating a perched water table in a soil in which saturated layers are underlain by one or more unsaturated layers within 2 meters of the surface.

Erosion. The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.
Erosion (geologic). Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains. Synonym: natural erosion.
Erosion (accelerated). Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or of a catastrophe in nature, such as a fire, that exposes the surface.

Erosion pavement. A layer of gravel or stones that remains on the surface after fine particles are removed by sheet or rill erosion.

Escarpment. A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. Synonym: scarp.

Even aged. Refers to a stand of trees in which only small differences in age occur between the individuals. A range of 20 years is allowed.

Excess alkali (in tables). Excess exchangeable sodium in the soil. The resulting poor physical properties restrict the growth of plants.

Excess fines (in tables). Excess silt and clay in the soil. The soil does not provide a source of gravel or sand for construction purposes.

Excess lime (in tables). Excess carbonates in the soil that restrict the growth of some plants.

Excess salts (in tables). Excess water-soluble salts in the soil that restrict the growth of most plants.

Excess sodium (in tables). Excess exchangeable sodium in the soil. The resulting poor physical properties restrict the growth of plants.

Excess sulfur (in tables). Excessive amount of sulfur in the soil. The sulfur causes extreme acidity if the soil is drained, and the growth of most plants is restricted.

Extrusive rock. Igneous rock derived from deep-seated molten matter (magma) emplaced on the earth's surface.

Fallow. Cropland left idle in order to restore productivity through accumulation of moisture. Summer fallow is common in regions of limited rainfall where cereal grain is grown. The soil is tilled for at least one growing season for weed control and decomposition of plant residue.

Fan apron. A sheet-like mantle of relatively young alluvium covering part of an older fan piedmont surface. It somewhere buries a soil that can be traced to the edge of the fan apron.

Fan piedmont. The most extensive landform on piedmont slopes, formed by the coalescence of alluvial fans or accretions of fan aprons into one generally smooth slope.

Fan remnant. A general term for landforms that are remaining parts of older fan-landforms, that either have been dissected or partially buried.

Fan skirt. The zone of smooth, laterally-coalescing, small alluvial fans that issue from gullies cut into the fan piedmont or that are the coalescing extensions of inset fans of the fan piedmont, and that merge with the basin floor.

Fast intake (in tables). The rapid movement of water into the soil.

Fertility, soil. The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.

Fibric soil material (peat). The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.

Field moisture capacity. The moisture content of a soil, expressed as a percentage of the ovendry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called *normal field capacity, normal moisture capacity,* or *capillary capacity*.

Fill slope. A sloping surface consisting of excavated soil material from a road cut. It commonly is on the downhill side of the road.

Fine textured soil. Sandy clay, silty clay, or clay.

Firebreak. An area cleared of flammable material to stop or help control creeping or running fires. It also serves as a line from which to work and to facilitate the movement of fire fighters and equipment. Designated roads also serve as firebreaks.

First bottom. The normal flood plain of a stream, subject to frequent or occasional flooding.

Flaggy soil material. Material that is, by volume, 15 to 35 percent flagstones. Very flaggy soil material is 35 to 60 percent flagstones, and extremely flaggy soil material is more than 60 percent flagstones.

Flagstone. A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.

Flood plain. A nearly level alluvial plain that borders a stream and is subject to flooding unless protected artificially.

Fluvial. Of or pertaining to rivers; produced by river action, as a fluvial plain.

Foothill. A steeply sloping upland that has relief of as much as 1,000 feet (300 meters) and fringes a mountain range or high-plateau escarpment.

Foot slope. The inclined surface at the base of a hill.

Forb. Any herbaceous plant not a grass or a sedge.

Forest cover. All trees and other woody plants (underbrush) covering the ground in a forest.

Fragile (in tables). A soil that is easily damaged by use or disturbance.

Frost action (in tables). Freezing and thawing of soil moisture. Frost action can damage roads, buildings and other structures, and plant roots.

Genesis, soil. The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.

Gilgai. The microrelief of clayey soils that shrink and swell considerably with changes in moisture content. Usually manifested as a succession of microbasins and microknolls in nearly level areas or of microvalleys and microridges parallel with the slope.

Gleyed soil. Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors.

Graded stripcropping. Growing crops in strips that grade toward a protected waterway.

Grassed waterway. A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.

Gravel. Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.

Gravelly soil material. Material that is 15 to 50 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.

Green manure crop (agronomy). A soil-improving crop grown to be plowed under in an early stage of maturity or soon after maturity.

Ground water. Water filling all the unblocked pores of underlying material below the water table.

Gully. A miniature valley with steep sides cut by running water and through which water ordinarily runs only

after rainfall. The distinction between a gully and a rill is one of depth. A gully generally is an obstacle to farm machinery and is too deep to be obliterated by ordinary tillage; a rill is of lesser depth and can be smoothed over by ordinary tillage.

Gypsum. A mineral consisting of hydrous calcium sulfate.

Hard bedrock. Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.

Hardpan. A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.

Heavy metal. Inorganic substances that are solid at ordinary temperatures and are not soluble in water. They form oxides and hydroxides that are basic. Examples are copper, iron, cadmium, zinc, manganese, lead, and arsenic.

Hemic soil material (mucky peat). Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.

High-residue crops. Such crops as small grain and corn used for grain. If properly managed, residue from these crops can be used to control erosion until the next crop in the rotation is established. These crops return large amounts of organic matter to the soil.

Hill. A natural elevation of the land surface, rising as much as 1,000 feet above surrounding lowlands, commonly of limited summit area and having a well defined outline; hillsides generally have slopes of more than 15 percent. The distinction between a hill and a mountain is arbitrary and is dependent on local usage.

Holocene. The epoch of the Quaternary Period of geologic time, extending from the end of the Pleistocene Epoch (about 10 to 12 thousand years ago) to the present.

Horizon, soil. A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. The major horizons of mineral soil are as follows:

O horizon.--An organic layer of fresh and decaying plant residue.

A horizon.--The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.

E horizon.--The mineral horizon in which the main feature is loss of silicate clay, iron, aluminum, or some combination of these.

B horizon.--The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.

C horizon.--The mineral horizon or layer, excluding indurated bedrock, that is little affected by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, an Arabic numeral, commonly a 2, precedes the letter C.

Cr horizon.--Soft, consolidated bedrock beneath the soil.

R layer.--Consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon, but it can be directly below an A or a B horizon.

Humus. The well decomposed, more or less stable part of the organic matter in mineral soils.

Hydrologic soil groups. Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties are depth to a seasonal high water table, the infiltration rate and permeability after prolonged wetting, and depth to a very slowly permeable layer. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff.

Igneous rock. Rock formed by solidification from a molten or partially molten state. Major varieties include plutonic and volcanic rock. Examples are andesite, basalt, and granite.

Illuviation. The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.

Impervious soil. A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

Increasers. Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasers commonly are the shorter plants and less palatable to livestock.

Infiltration. The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

Infiltration capacity. The maximum rate at which water can infiltrate into a soil under a given set of conditions.

Infiltration rate. The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

Inset fan. A special case of the flood plain of an ephemeral stream that is confined between fan remnants, basin-floor remnants, ballenas, or closely opposed fan toeslopes.

Intake rate. The average rate of water entering the soil under irrigation. Most soils have a fast initial rate; the rate decreases with application time. Therefore, intake rate for design purposes is not a constant but is a variable depending on the net irrigation application. The rate of water intake, in inches per hour, is expressed as follows:

Less than 0.2	very low
0.2 to 0.4	low
0.4 to 0.75	moderately low
0.75 to 1.25	moderate
1.25 to 1.75	moderately high
1.75 to 2.5	high
More than 2.5	very high

Intermittent stream. A stream, or reach of a stream, that flows for prolonged periods only when it receives groundwater discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

Intermontane basin. A generic term for wide structural depressions between mountain ranges that are partly filled with alluvium. They may be drained internally (bolsons) or externally (semi-bolsons).

Invaders. On range, plants that encroach into an area and grow after the climax vegetation has been reduced by grazing. Generally, plants invade following disturbance of the surface.

Iron depletions. Low-chroma zones having a low content of iron and manganese oxide because of chemical reduction and removal, but having a clay content similar to that of the adjacent matrix. A type of redoximorphic depletion.

Irrigation. Application of water to soils to assist in production of crops. Methods of irrigation are:

Basin.--Water is applied rapidly to nearly level plains surrounded by levees or dikes.

Border.--Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes or borders.

Controlled flooding.--Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

Corrugation.--Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

Drip (or trickle).--Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

Furrow.--Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

Sprinkler.--Water is sprayed over the soil surface through pipes or nozzles from a pressure system.

Subirrigation.--Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.

Wild flooding.--Water, released at high points, is allowed to flow onto an area without controlled distribution.

Lacustrine deposit. Material deposited in lake water and exposed when the water level is lowered or the elevation of the land is raised.

Lagoon. The nearly level, filled depression behind the longshore bar on a barrier beach.

Lake plain. A surface marking the floor of an extinct lake, filled in by well sorted, stratified sediments.

Lake terrace. The narrow shelf produced along a lake shore and later exposed when the water recedes.

Lamella. A thin, generally horizontal layer of fine material illuviated within a very much thicker, coarser, eluviated layer.

Landform. Any recognizable form or feature on the earth's surface, having a characteristic shape, and produced by natural causes that provide an empirical description of similar portions of the earth's surface.

Landscape. A collection of related, natural landforms.

Landslide. The rapid downhill movement of a mass of soil and loose rock, generally when wet or saturated. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

Large stones (in tables). Rock fragments 3 inches (7.6 centimeters) or more across. Large stones adversely affect the specified use of the soil.

Leaching. The removal of soluble material from soil or other material by percolating water.

Liquid limit. The moisture content at which the soil passes from a plastic to a liquid state.

Loam. Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.

Loamy soil. Coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam, silt, clay loam, sandy clay loam, or silty clay loam.

Loess. Fine grained material, dominantly of silt-sized particles, deposited by wind.

Longshore bar. A narrow, elongate, coarse-textured ridge, built by the wave action of a pluvial lake, that extends parallel to the shore and separated it from a lagoon; both the bar and lagoon are now relict features.

Low-residue crops. Such crops as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.

Low strength. The soil is not strong enough to support loads.

Marl. An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal amounts.

Masses. Concentrations of substances in the soil matrix that do not have a clearly defined boundary with the surrounding soil material and cannot be removed as a discrete unit. Common compounds making up masses are calcium carbonate, gypsum or other soluble salts, iron oxide, and manganese oxide. Masses consisting of iron oxide or manganese oxide generally are considered a type of redoximorphic concentration.

Mean annual increment (MAI). The average annual increase in volume of a tree during the entire life of the tree.

Mechanical treatment. Use of mechanical equipment for seeding, brush management, and other management practices.

Medium textured soil. Very fine sandy loam, loam, silt loam, or silt.

Merchantable trees. Trees that are of sufficient size to be economically processed into wood products.

Metamorphic rock. Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement. Nearly all such rocks are crystalline.

Mineral soil. Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.

Minimum tillage. Only the tillage essential to crop production and prevention of soil damage.

Miscellaneous area. An area that has little or no natural soil and supports little or no vegetation.

Moderately coarse textured soil. Coarse sandy loam, sandy loam, or fine sandy loam.

Moderately deep soil. A soil that is 20 to 40 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Moderately fine textured soil. Clay loam, sandy clay loam, or silty clay loam.

Mollic epipedon. A thick, dark, humus-rich surface horizon (or horizons) that has high base saturation and pedogenic soil structure. It may include the upper part of the subsoil.

Morphology, soil. The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

Mottling, soil. Irregular spots of different colors that vary in number and size. Descriptive terms are as follows: abundance--*few, common,* and *many*; size--*fine, medium,* and *coarse*; and contrast--*faint, distinct,* and *prominent*. The size measurements are of the diameter along the greatest dimension. *Fine* indicates less than 5 millimeters (about 0.2 inch); *medium*, from 5 to 15 millimeters (about 0.2 to 0.6 inch); and *coarse*, more than 15 millimeters (about 0.6 inch).

Mountain. A natural elevation of the land surface, rising more than 1,000 feet above surrounding lowlands, commonly of restricted summit area (relative to a plateau) and generally having steep sides. A mountain can occur as a single, isolated mass or in a group forming a chain or range.

Muck. Dark, finely divided, well decomposed organic soil material. (See Sapric soil material.)

Mudstone. Sedimentary rock formed by induration of silt and clay in approximately equal amounts.

Munsell notation. A designation of color by degrees of three simple variables--hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

Natric horizon. A special kind of argillic horizon that contains enough exchangeable sodium to have an adverse effect on the physical condition of the subsoil.

Neutral soil. A soil having a pH value between 6.6 and 7.3. (See Reaction, soil.)

Nodules. Cemented bodies lacking visible internal structure. Calcium carbonate, iron oxide, and manganese oxide are common compounds making up nodules. If formed in place, nodules of iron oxide or manganese oxide are considered types of redoximorphic concentrations.

Nutrient, plant. Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

Observed rooting depth. Depth to which roots have been observed to penetrate.

Organic matter. Plant and animal residue in the soil in various stages of decomposition.

Overstory. The trees in a forest that form the upper crown cover.

Oxbow. The horseshoe-shaped channel of a former meander, remaining after the stream formed a cutoff across a narrow meander neck.

Pan. A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan, fragipan, claypan, plowpan,* and *traffic pan.*

Parent material. The unconsolidated organic and mineral material in which soil forms.

Parna dune. An eolian dune built of sand size aggregates of clayey material that commonly occurs leeward of a playa.

Peat. Unconsolidated material, largely undecomposed organic matter, that has accumulated under excess moisture. (See Fibric soil material.)

Ped. An individual natural soil aggregate, such as a granule, a prism, or a block.

Pediment. A gently sloping erosional surface developed at the foot of a receding hill or mountain slope.

Pedisediment. A thin layer of alluvial material that mantles an erosion surface and has been transported to its present position from higher lying areas of the erosion surface.

Pedon. The smallest volume that can be called "a soil." A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.

Percolation. The downward movement of water through the soil.

Percs slowly (in tables). The slow movement of water through the soil adversely affects the specified use.

Permeability. The quality of the soil that enables water or air to move downward through the profile. The rate at which a saturated soil transmits water is accepted as a measure of this quality. In soil physics, the rate is referred to as "saturated hydraulic conductivity," which is defined in the "Soil Survey Manual." In line with conventional usage in the engineering profession and with traditional usage in published soil surveys, this rate of flow continues to be expressed as "permeability." Terms describing permeability, measured in inches per hour, are as follows:

Extremely slow	0.00 to 0.01 inch
Very slow	0.01 to 0.06 inch
Slow	0.06 to 0.2 inch
Moderately slow	0.2 to 0.6 inch
Moderate	0.6 inch to 2.0 inches
Moderately rapid	2.0 to 6.0 inches
Rapid	6.0 to 20 inches
Very rapid	more than 20 inches

Phase, soil. A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and flooding.

pH value. A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)

Piedmont slope. The dominant slope at the foot of a mountain. Main components of the piedmont slope include pediments, alluvial fans, fan piedmonts, fan skirts and inset fans.

Piping (in tables). Formation of subsurface tunnels or pipelike cavities by water moving through the soil.

Pitting (in tables). Pits caused by melting around ice. They form on the soil after plant cover is removed.

Plasticity index. The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.

Plastic limit. The moisture content at which a soil changes from semisolid to plastic.

Plateau. An extensive upland mass with relatively flat summit area that is considerably elevated (more than 100 meters) above adjacent lowlands and separated from them on one or more sides by escarpments.

Playa. The generally dry and nearly level lake plain that occupies the lowest parts of closed depressional areas, such as those on intermontane basin floors. Temporary flooding occurs primarily in response to precipitation and runoff.

Pleistocene. The epoch of the Quaternary Period of geologic time preceding the Holocene (from approximately 2 million to 10 thousand years ago).

Plowpan. A compacted layer formed in the soil directly below the plowed layer.

Pluvial. Relating to former periods of abundant rains.

Ponding. Standing water on soils in closed depressions. Unless the soils are artificially drained, the water can be removed only by percolation or evapotranspiration.

Poor filter (in tables). Because of rapid or very rapid permeability, the soil may not adequately filter effluent from a waste disposal system.

Poorly graded. Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.

Poor outlets (in tables). Refers to areas where surface or subsurface drainage outlets are difficult or expensive to install.

Potential native plant community. See Climax plant community.

Potential rooting depth (effective rooting depth). Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no

properties restricting the penetration of roots to this depth.

Prescribed burning. Deliberately burning an area for specific management purposes, under the appropriate conditions of weather and soil moisture and at the proper time of day.

Productivity, soil. The capability of a soil for producing a specified plant or sequence of plants under specific management.

Profile, soil. A vertical section of the soil extending through all its horizons and into the parent material.

Proper grazing use. Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and promotes the accumulation of litter and mulch necessary to conserve soil and water.

Quartzite, metamorphic. Rock consisting mainly of quartz that formed through recrystallization of quartz-rich sandstone or chert.

Quaternary. The period of geologic time, extending from about 2 million years ago to the present and comprising two epochs, the Pleistocene (Ice Age) and Holocene (Recent).

Quartzite, sedimentary. Very hard but unmetamorphosed sandstone consisting chiefly of quartz grains.

Range condition. The present composition of the plant community on a range site in relation to the potential natural plant community for that site. Range condition is expressed as excellent, good, fair, or poor on the basis of how much the present plant community has departed from the potential.

Rangeland. Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing or browsing. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

Range site. An area of rangeland where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. A range site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other range sites in kind or proportion of species or total production.

Reaction, soil. A measure of acidity or alkalinity of a soil, expressed in pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

Ultra acid	less than 3.5
Extremely acid	3.5 to 4.4
Very strongly acid	4.5 to 5.0
Strongly acid	5.1 to 5.5
Moderately acid	5.6 to 6.0
Slightly acid	6.1 to 6.5
Neutral	6.6 to 7.3
Slightly alkaline (mildly alkaline)	7.4 to 7.8
Moderately alkaline	7.9 to 8.4
Strongly alkaline	8.5 to 9.0
Very strongly alkaline	9.1 and higher

Redoximorphic concentrations. Nodules, concretions, soft masses, pore linings, and other features resulting from the accumulation of iron or manganese oxide. An indication of chemical reduction and oxidation resulting from saturation.

Redoximorphic depletions. Low-chroma zones from which iron and manganese oxide or a combination of iron and manganese oxide and clay has been removed. These zones are indications of the chemical reduction of iron resulting from saturation.

Redoximorphic features. Redoximorphic concentrations, redoximorphic depletions, reduced matrices, a positive reaction to alpha,alpha-dipyridyl, and other features indicating the chemical reduction and oxidation of iron and manganese compounds resulting from saturation.

Reduced matrix. A soil matrix that has low chroma in situ because of chemically reduced iron (Fe II). The chemical reduction results from nearly continuous wetness. The matrix undergoes a change in hue or chroma within 30 minutes after exposure to air as the iron is oxidized (Fe III). A type of redoximorphic feature.

Regeneration. The new growth of a natural plant community, developing from seed.

Regolith. The unconsolidated mantle of weathered rock and soil material on the earth's surface; the loose earth material above the solid rock.

Relict stream terrace. One of a series of platforms in or adjacent to a stream valley that formed prior to the current stream system.

Relief. The elevations or inequalities of a land surface, considered collectively.

Residuum (residual soil material). Unconsolidated, weathered or partly weathered mineral material that accumulated as consolidated rock disintegrated in place.

Rill. A steep-sided channel resulting from accelerated erosion. A rill is generally a few inches deep and not wide enough to be an obstacle to farm machinery.

Riverwash. Unstable areas of sandy, silty, clayey, or gravelly sediments. These areas are flooded, washed, and reworked by rivers so frequently that they support little or no vegetation.

Road cut. A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

Rock fragments. Rock or mineral fragments having a diameter of 2 millimeters or more; for example, pebbles, cobbles, stones, and boulders.

Rock outcrop. Exposures of bare bedrock other than lava flows and rock-lined pits.

Rooting depth (in tables). Shallow root zone. The soil is shallow over a layer that greatly restricts roots.

Root zone. The part of the soil that can be penetrated by plant roots.

Rubble land. Areas that have more than 90 percent of the surface covered by stones or boulders. Voids contain no soil material and virtually no vegetation other than lichens. The areas commonly are at the base of mountain slopes, but some are on mountain slopes as deposits of cobbles, stones, and boulders left by Pleistocene glaciation or by periglacial phenomena.

Runoff. The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called groundwater runoff or seepage flow from ground water.

Saline soil. A soil containing soluble salts in an amount that impairs the growth of plants. A saline soil does not contain excess exchangeable sodium.

Salinity. The electrical conductivity of a saline soil. It is expressed, in millimhos per centimeter, as follows:

Nonsaline	0 to 2
Very slightly saline	2 to 4
Slightly saline	4 to 8
Moderately saline	8 to 16
Strongly saline	More than 16

Salty water (in tables). Water that is too salty for consumption by livestock.

Sand. As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

Sand sheet. A large, irregularly shaped, surficial mantle of eolian sand.

Sandstone. Sedimentary rock containing dominantly sand-sized particles.

Sandy soil. Sand or loamy sand.

Sapric soil material (muck). The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

Saprolite. Unconsolidated residual material underlying the soil and grading to hard bedrock below.

Saturation. Wetness characterized by zero or positive pressure of the soil water. Under conditions of saturation, the water will flow from the soil matrix into an unlined auger hole.

Sawlogs. Logs of suitable size and quality for the production of lumber.

Scarification. The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

Scribner's log rule. A method of estimating the number of board feet that can be cut from a log of a given diameter and length.

Second bottom. The first terrace above the normal flood plain (or first bottom) of a river.

Sedimentary rock. Rock made up of particles deposited from suspension in water. The chief kinds of sedimentary rock are conglomerate, formed from gravel; sandstone, formed from sand; shale, formed from clay; and limestone, formed from soft masses of calcium carbonate. There are many intermediate types. Some wind-deposited sand is consolidated into sandstone.

Seepage (in tables). The movement of water through the soil. Seepage adversely affects the specified use.

Semi-bolson. An intermontane basin that is drained externally by an intermittent stream.

Sequum. A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

Series, soil. A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer. All the soils of a series have horizons that are similar in composition, thickness, and arrangement.

Shale. Sedimentary rock formed by the hardening of a clay deposit.

Shallow soil. A soil that is 10 to 20 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Sheet erosion. The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

Shelterwood system. A forest management system requiring the removal of a stand in a series of cuts so that regeneration occurs under a partial canopy. After regeneration, a final cut removes the shelterwood and allows the stand to develop in the open as an even-aged stand. The system is well suited to sites where shelter is needed for regeneration, and it can aid regeneration of the more intolerant tree species in a stand.

Shoulder slope. The uppermost inclined surface at the top of a hillside. It is the transition zone from the back slope to the summit of a hill or mountain. The surface is dominantly convex in profile and erosional in origin.

Shrink-swell (in tables). The shrinking of soil when dry and the swelling when wet. Shrinking and swelling can damage roads, dams, building foundations, and other structures. It can also damage plant roots.

Shrub-coppice dune. A small dune that forms around shrubs or small trees.

Silica. A combination of silicon and oxygen. The mineral form is called quartz.

Silt. As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

Siltstone. Sedimentary rock made up of dominantly silt-sized particles.

Similar soils. Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

Sinkhole. A depression in the landscape where limestone has been dissolved.

Site class. A grouping of site indexes into five to seven production capability levels. Each level can be represented by a site curve.

Site curve (50-year). A set of related curves on a graph that shows the average height of dominant or dominant and codominant trees for the range of ages on soils that differ in productivity. Each level is represented by a curve. The basis of the curves is the height of dominant or dominant and codominant trees that are 50 years old or are 50 years old at breast height.

Site curve (100-year). A set of related curves on a graph that shows the average height of dominant or dominant and codominant trees for a range of ages on soils that differ in productivity. Each level is represented by a curve. The basis of the curves is the height of dominant or dominant and codominant trees that are 100 years old or are 100 years old at breast height.

Site index. A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height attained by dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

Skid trails. Pathways along which logs are dragged to a common site for loading onto a logging truck.

Slash. The branches, bark, treetops, reject logs, and broken or uprooted trees left on the ground after logging.

Slickens. Accumulations of fine-textured material, such as material separated in placer-mine and ore-mill operations. Slickens from ore mills commonly consist of freshly ground rock that has undergone chemical treatment during the milling process.

Slickensides. Polished and grooved surfaces produced by one mass sliding past another. In soils, slickensides may occur at the bases of slip surfaces on the steeper slopes; on faces of blocks, prisms, and columns; and in swelling clayey soils, where there is marked change in moisture content.

Slick spot. A small area of soil having a puddled, crusted, or smooth surface and an excess of exchangeable sodium. The soil generally is silty or clayey, is slippery when wet, and is low in productivity.

Slippage (in tables). Soil mass susceptible to movement downslope when loaded, excavated, or wet.

Slope. The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance. In this survey, the following slope classes are recognized:

Nearly level	0 to 2 percent
Gently sloping	2 to 4 percent
Moderately sloping	4 to 8 percent
Strongly sloping	8 to 15 percent
Moderately steep	15 to 30 percent
Steep	30 to 50 percent
Very steep	50 to 75 percent
Extremely steep	75 percent and higher

Slope (in tables). Slope is great enough that special practices are required to ensure satisfactory performance of the soil for a specific use.

Slow intake (in tables). The slow movement of water into the soil.

Slow refill (in tables). The slow filling of ponds, resulting from restricted permeability in the soil.

Small stones (in tables). Rock fragments less than 3 inches (7.6 centimeters) in diameter. Small stones adversely affect the specified use of the soil.

Sodic (alkali) soil. A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Sodicity. The degree to which a soil is affected by exchangeable sodium. Sodicity is expressed as a sodium adsorption ratio (SAR) of a saturation extract, or the ratio of NA^{+} to Ca^{++} + Mg^{++}. The degrees of sodicity and their respective ratios are:

Very slight	5-12:1
Slight	13-30:1
Moderate	31-45:1
Strong	46-90:1
Very strong	more than 90:1

Soft bedrock. Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

Soil. A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief over periods of time.

Soil separates. Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

Very coarse sand	2.0 to 1.0
Coarse sand	1.0 to 0.5
Medium sand	0.5 to 0.25
Fine sand	0.25 to 0.10
Very fine sand	0.10 to 0.05
Silt	0.05 to 0.002
Clay	less than 0.002

Solum. The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the material below the solum. The living roots and plant and animal activities are largely confined to the solum.

Species. A single, distinct kind of plant or animal having certain distinguishing characteristics.

Stone line. A concentration of coarse fragments in a soil. Generally, it is indicative of an old weathered surface. In a cross section, the line may be one fragment or more thick. It generally overlies material that weathered in place and is overlain by recent sediment of variable thickness.

Stones. Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

Stony. Refers to a soil containing stones in numbers that interfere with or prevent tillage.

Strath terrace. A surface cut formed by the erosion of hard or semiconsolidated bedrock and thinly mantled with stream deposits.

Stream channel. The hollow bed where a natural stream of surface water flows or may flow; the deepest or central part of the bed, formed by the main current and covered more or less continuously by water.

Stream terrace. One of a series of platforms in a stream valley, flanking and more or less parallel to the stream channel. It originally formed near the level of the stream and is the dissected remnants of an abandoned flood plain, streambed, or valley floor that were produced during a former stage of erosion or deposition.

Stripcropping. Growing crops in a systematic arrangement of strips or bands that provide vegetative barriers to soil blowing and water erosion.

Structure, soil. The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are: *platy* (laminated), *prismatic* (vertical axis of aggregates longer than horizontal), *columnar* (prisms with rounded tops), *blocky* (angular or subangular), and *granular*. *Structureless* soils are either *single grain* (each grain by itself, as in dune sand) or *massive* (the particles adhering without any regular cleavage, as in many hardpans).

Stubble mulch. Stubble or other crop residue left on the soil or partly worked into the soil. It protects the soil from wind and water erosion after harvest, during preparation of a seedbed for the next crop, and during the early growing period of the new crop.

Subsoil. Technically, the B horizon; roughly, the part of the solum below plow depth.

Subsoiling. Tilling a soil below normal plow depth, ordinarily to shatter a hardpan or claypan.

Substratum. The part of the soil below the solum.

Subsurface layer. Any surface soil horizon (A, E, AB, or EB) below the surface layer.

Summer fallow. The tillage of uncropped land during the summer to control weeds and allow storage of moisture in the soil for the growth of a later crop. A practice common in semiarid regions, where annual precipitation is not enough to produce a crop every year. Summer fallow is frequently practiced before planting winter grain.

Summit. A general term for the top, or highest level, of an upland feature, such as a hill or mountain. It commonly refers to a higher area that has a gentle slope and is flanked by steeper slopes.

Surface layer. The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the "plow layer" or the "Ap horizon."

Surface soil. The A, E, AB, and EB horizons, considered collectively. It includes all subdivisions of these horizons.

Tailwater. The water directly downstream of a structure.

Talus. Fragments of rock and other soil material accumulated by gravity at the foot of cliffs or steep slopes.

Taxadjuncts. Soils that cannot be classified in a series recognized in the classification system. Such soils are named for a series they strongly resemble and are designated as taxadjuncts to that series because they differ in ways too small to be of consequence in interpreting their use and behavior. Soils are recognized as taxadjuncts only when one or more of their characteristics are slightly outside the range defined for the family of the series for which the soils are named.

Terrace. An embankment, or ridge, constructed across sloping soils on the contour or at a slight angle to the contour. The terrace intercepts surface runoff so that water soaks into the soil or flows slowly to a prepared outlet. A terrace in a field is generally built so that the field can be farmed. A terrace intended mainly for drainage has a deep channel that is maintained in permanent sod.

Terrace (geologic). A step-like surface, ordinarily flat or undulating, bordering a river, a lake, or the sea representing a former flood plain.

Texture, soil. The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay,* and *clay.* The sand, loamy sand, and sandy loam classes may be further divided by specifying "coarse," "fine," or "very fine."

Thin layer (in tables). Otherwise suitable soil material too thin for the specified use.

Till plain. An extensive area cf nearly level to undulating soils underlain by glacial till.

Tilth, soil. The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.

Toe slope. The outermost inclined surface at the base of a hill; part of a foot slope.

Too arid (in tables). The soil is dry most of the time, and vegetation is difficult to establish.

Topsoil. The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.

Toxicity (in tables). Excessive amount of toxic substances, such as sodium or sulfur, that severely hinder establishment of vegetation or severely restrict plant growth.

Trace elements. Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, in soils in extremely small amounts. They are essential to plant growth.

Trafficability. The degree to which a soil is capable of supporting vehicular traffic across a wide range in soil moisture conditions.

Tread. The relatively flat terrace surface that was cut or built by stream or wave action.

Tuff. A compacted deposit that is 50 percent or more volcanic ash and dust.

Understory. Any plants in a forest community that grow to a height of less than 5 feet.

Unstable fill (in tables). Risk of caving or sloughing on banks of fill material.

Upland (geology). Land at a higher elevation, in general, than the alluvial plain or stream terrace; land above the lowlands along streams.

Valley. An elongated depressional area primarily developed by stream action.

Valley fill. In glaciated regions, material deposited in stream valleys by glacial meltwater. In nonglaciated regions, alluvium deposited by heavily loaded streams.

Variegation. Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.

Very deep soil. A soil that is more than 60 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Very shallow soil. A soil that is less than 10 inches deep over bedrock or to other material that restricts the penetration of plant roots.

Water bars. Smooth, shallow ditches or depressional areas that are excavated at an angle across a sloping road. They are used to reduce the downward velocity of water and divert it off and away from the road surface. Water bars can easily be driven over if constructed properly.

Waterspreading. Diverting runoff from natural channels by means of a system of dams, dikes, or ditches and spreading it over relatively flat surfaces.

Water supplying capacity. The total amount of water available in the soil for plant growth in a normal year from precipitation and from runon from higher areas. Runoff and water lost to deep percolation are not included.

Weathering. All physical and chemical changes produced in rocks or other deposits at or near the earth's surface by atmospheric agents. These changes result in disintegration and decomposition of the material.

Well graded. Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

Wilting point (or permanent wilting point). The moisture content of soil, on an ovendry basis, at which a plant (specifically, a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

Windthrow. The uprooting and tipping over of trees by the wind.

TABLES

TABLE 1.--TEMPERATURE AND PRECIPITATION

(Recorded in the period 1973-93 at Reese River O'Toole, Nevada)

Month	Temperature (Degrees F.)						Precipitation (Inches)			
				2 years in 10 will have--				2 years in 10 will have--		
	Average daily maximum	Average daily minimum	Average daily	Maximum temperature higher than--	Minimum temperature lower than--	Average number of growing degree days*	Average	less than	more than	Average number of days with 0.10 inch or more
January---	40.5	10.9	25.7	60	-18	4	0.43	0.17	0.65	1
February--	44.5	16.1	30.3	63	-12	9	0.46	0.25	0.64	1
March-----	47.6	21.7	34.6	65	1	24	0.86	0.49	1.19	3
April-----	56.8	24.2	40.5	77	6	80	0.72	0.24	1.20	2
May-------	65.2	30.1	47.7	85	13	216	0.93	0.28	1.46	2
June------	76.9	36.6	56.8	93	20	414	0.46	0.16	0.80	1
July------	84.5	42.2	63.4	94	28	582	0.63	0.30	1.14	2
August----	82.3	40.8	61.6	93	24	479	0.73	0.32	1.36	2
September-	73.5	34.2	53.9	88	15	309	0.83	0.26	1.38	1
October---	63.2	25.9	44.5	80	7	139	0.66	0.29	1.04	2
November--	49.4	19.0	34.2	78	-5	34	0.67	0.23	1.16	2
December--	42.1	12.4	27.3	61	-18	4	0.34	0.18	0.73	1
Yearly :										
Average	60.5	26.2	43.4	----	----	----	---	---	---	---
Extreme	100	-34	---	98	-22	----	---	---	---	---
Total	---	---	---	----	----	2,293	7.71	4.78	8.68	20

*A growing degree day is a unit of heat available for plant growth. It can be calculated by adding the maximum and minimum daily temperatures, dividing the sum by 2, and subtracting the temperature below which growth is minimal for the principal crops in the area (40 degrees F).

TABLE 1.--TEMPERATURE AND PRECIPITATION

(Recorded in the period 1950-93 at Smokey Valley, Nevada)

Month	Temperature (Degrees F.)						Precipitation (Inches)			
				2 years in 10 will have--				2 years in 10 will have--		
	Average daily maximum	Average daily minimum	Average daily	Maximum temperature higher than--	Minimum temperature lower than--	Average number of growing degree days*	Average	less than	more than	Average number of days with 0.10 inch or more
January---	43.5	14.8	29.2	63	-12	10	0.55	0.12	0.96	1
February--	50.2	20.2	35.2	68	-3	30	0.60	0.08	1.13	1
March-----	55.2	24.2	39.7	73	4	83	0.71	0.14	1.25	1
April-----	64.0	29.7	46.9	82	12	210	0.56	0.13	1.02	1
May-------	73.1	37.7	55.4	90	19	438	0.53	0.11	0.96	1
June------	83.2	45.9	64.5	98	30	682	0.49	0.13	0.87	1
July------	90.8	52.8	71.8	99	39	931	0.59	0.14	1.09	1
August----	88.8	50.8	69.8	99	36	880	0.70	0.23	1.41	1
September-	81.0	42.2	61.6	94	26	601	0.55	0.12	0.95	1
October---	69.8	32.4	51.1	87	13	335	0.43	0.12	0.89	1
November--	54.2	22.6	38.4	73	2	70	0.57	0.17	1.02	1
December--	44.4	15.6	30.0	61	-8	9	0.45	0.16	0.96	1
Yearly :										
Average	66.5	32.4	49.5	----	----	----	---	---	---	---
Extreme	102	-31	---	100	-15	----	---	---	---	---
Total	---	---	---	----	----	4,279	6.71	3.98	8.77	12

*A growing degree day is a unit of heat available for plant growth. It can be calculated by adding the maximum and minimum daily temperatures, dividing the sum by 2, and subtracting the temperature below which growth is minimal for the principal crops in the area (40 degrees F).

TABLE 1.--TEMPERATURE AND PRECIPITATION

(Recorded in the period 1955-93 at Tonopah, Nevada)

Month	Temperature (Degrees F.)						Precipitation (Inches)			
				2 years in 10 will have--				2 years in 10 will have--		
	Average daily maximum	Average daily minimum	Average daily	Maximum temperature higher than--	Minimum temperature lower than--	Average number of growing degree days*	Average	less than	more than	Average number of days with 0.10 inch or more
January---	43.5	18.0	30.8	61	-5	9	0.35	0.14	0.59	1
February--	49.2	23.4	36.3	67	3	39	0.45	0.09	0.82	1
March-----	54.9	27.5	41.2	73	12	108	0.50	0.10	0.94	1
April-----	63.4	33.1	48.3	82	18	262	0.39	0.10	0.77	1
May-------	72.9	41.8	57.4	90	26	533	0.58	0.12	1.13	1
June------	84.0	50.7	67.3	99	35	820	0.30	0.06	0.64	0
July------	91.1	56.2	73.6	101	44	1,043	0.58	0.14	1.07	1
August----	88.6	54.6	71.6	99	41	977	0.57	0.15	1.09	1
September-	80.1	47.1	63.6	93	32	706	0.49	0.11	0.93	1
October---	68.5	37.2	52.8	85	20	392	0.39	0.10	0.86	1
November--	53.6	26.0	39.8	72	10	88	0.44	0.08	0.85	1
December--	45.2	19.4	32.3	62	-2	10	0.25	0.08	0.48	0
Yearly :										
Average	66.2	36.2	51.2	----	----	----	---	---	---	---
Extreme	104	-15	---	102	-8	----	---	---	---	---
Total	---	---	---	----	----	4,986	5.29	3.56	6.88	10

*A growing degree day is a unit of heat available for plant growth. It can be calculated by adding the maximum and minimum daily temperatures, dividing the sum by 2, and subtracting the temperature below which growth is minimal for the principal crops in the area (40 degrees F).

TABLE 2.--FREEZE DATES IN SPRING AND FALL

(Recorded in the period 1973-93 at Reese River O'Toole, Nevada. During this period, 20 years, had 6746 days of missing data)

Probability	Temperature		
	24 degrees F. or lower	28 degrees F. or lower	32 degrees F. or lower
Last freezing temperature in spring:			
1 year in 10 later than--	June 18	July 1	July 24
2 years in 10 later than--	June 13	June 25	July 17
5 years in 10 later than--	June 2	June 13	July 3
First freezing temperature in fall:			
1 year in 10 earlier than--	August 27	August 21	August 6
2 year in 10 earlier than--	September 3	August 27	August 13
5 year in 10 earlier than--	September 17	September 7	August 28

TABLE 2.--FREEZE DATES IN SPRING AND FALL

(Recorded in the period 1950-93 at Smokey Valley, Nevada)

Probability	Temperature		
	24 degrees F. or lower	28 degrees F. or lower	32 degrees F. or lower
Last freezing temperature in spring:			
1 year in 10 later than--	May 24	June 3	June 14
2 years in 10 later than--	May 16	May 26	June 8
5 years in 10 later than--	May 2	May 12	May 28
First freezing temperature in fall:			
1 year in 10 earlier than--	September 28	September 15	September 4
2 years in 10 earlier than--	October 4	September 21	September 11
5 years in 10 earlier than--	October 16	October 2	September 23

TABLE 2.--FREEZE DATES IN SPRING AND FALL

(Recorded in the period 1955-93 at Tonopah, Nevada)

Probability	Temperature		
	24 degrees F. or lower	28 degrees F. or lower	32 degrees F. or lower
Last freezing temperature in spring:			
1 year in 10 later than--	May 6	May 21	May 29
2 years in 10 later than--	April 28	May 14	May 23
5 years in 10 later than--	April 13	May 1	May 12
First freezing temperature in fall:			
1 year in 10 earlier than--	October 13	October 1	September 23
2 years in 10 earlier than--	October 20	October 7	September 29
5 years in 10 earlier than--	October 31	October 20	October 10

TABLE 3.--GROWING SEASON

(Recorded in the period 1973-93 at Reese River O'Toole, Nevada. During this period 1973-93, 25 days or more missing data)

Probability	Daily Minimumimum Temperature during growing season		
	Higher than 24 degrees F.	Higher than 28 degrees F.	Higher than 32 degrees F.
	Days	Days	Days
9 years in 10	83	51	27
8 years in 10	89	63	37
5 years in 10	102	84	57
2 years in 10	115	105	76
1 year in 10	122	117	86

TABLE 3.--GROWING SEASON

(Recorded in the period 1950-93 at Smokey Valley, Nevada. 11 years from 1950-93 have 25 days or more missing data)

Probability	Daily Minimumimum Temperature during growing season		
	Higher than 24 degrees F.	Higher than 28 degrees F.	Higher than 32 degrees F.
	Days	Days	Days
9 years in 10	117	104	85
8 years in 10	128	114	94
5 years in 10	149	134	113
2 years in 10	170	154	131
1 year in 10	181	164	140

TABLE 3.--GROWING SEASON

(Recorded in the period 1955-93 at Tonopah, Nevada. 1 year from 1955-93 has 25 days or more missing data)

Probability	Daily Minimumimum Temperature during growing season		
	Higher than 24 degrees F.	Higher than 28 degrees F.	Higher than 32 degrees F.
	Days	Days	Days
9 years in 10	167	141	127
8 years in 10	175	150	134
5 years in 10	189	167	149
2 years in 10	203	183	163
1 year in 10	210	192	171

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS

Map symbol	Soil name	Acres	Percent
1000	Stumble loamy sand, 2 to 8 percent slopes	13,318	0.9
1001	Stumble-Koyen association	9,311	0.6
1004	Stumble-Eastgate association	40,796	2.7
1005	Stumble-Unsel-Eastgate association	25,362	1.7
1021	Easychair-Penoyer association	4,132	0.3
1031	Eastgate gravelly sandy loam, 0 to 4 percent slopes	969	*
1035	Eastgate-Lyx-Stumble association	12,985	0.8
1039	Eastgate-Lyx association	2,771	0.2
1050	Schwalbe-Stewval-Bellehelen association	13,775	0.9
1060	Celeton-Badland association	3,110	0.2
1061	Celeton-Vigus-Whirlo association	3,931	0.3
1071	Singatse-Theon-Rock Outcrop association	1,177	*
1076	Singatse-Hawsley association	1,111	*
1090	Univega-Koyen-Watoopah association	3,525	0.2
1092	Univega gravelly fine sand, 2 to 8 percent slopes	10,038	0.7
1093	Univega-Jevets association	8,457	0.6
1100	Gabbvally-Stewval association	2,895	0.2
1130	Unsel gravelly sandy loam, 2 to 8 percent slopes	21,047	1.4
1131	Unsel-Geer association	5,760	0.4
1132	Unsel-Hollywell-Roic association	6,670	0.4
1133	Unsel, moist-Geer association	9,565	0.6
1134	Unsel-Hollywell-Lyx association	34,795	2.3
1135	Unsel-Watoopah association	13,060	0.9
1136	Unsel-Eastgate-Stumble association	14,282	0.9
1137	Unsel-Koyen association	6,914	0.5
1138	Unsel-Zadvar association	11,325	0.7
1141	Unsel-Wardenot-Izo association	8,246	0.5
1142	Unsel-Annaw-Izo association	15,662	1.0
1145	Unsel-Annaw association	28,484	1.9
1146	Unsel-Silverbow-Izo association	2,980	0.2
1147	Unsel-Hollywell association	34,853	2.3
1148	Unsel-Ricert-Zaidy association	15,640	1.0
1150	Nuyobe silt loam, 0 to 4 percent slopes	205	*
1162	Jung-Clanalpine-Colbar association	4,285	0.3
1163	Jung-Hooplite association	55	*
1190	Penoyer-Geer association	5,813	0.4
1191	Penoyer-Sevenmile association	1,530	*
1220	Stewval-Beelem association	11,590	0.8
1221	Stewval-Blacktop-Rock Outcrop association	362	*
1222	Stewval-Downeyville-Gabbvally association	10,704	0.7
1223	Stewval-Rock Outcrop association	60,560	4.0
1226	Stewval-Bellehelen-Rock Outcrop association	28,291	1.8

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Acres	Percent
1227	Stewval-Downeyville-Rock Outcrop association	33,159	2.2
1229	Stewval-Advokay-Itme association	212	*
1230	Geer-Eastgate association	3,194	0.2
1231	Geer fine sandy loam, 0 to 2 percent slopes	1,734	0.1
1233	Geer-Koyen association	2,247	0.1
1242	Stargo-Playas complex, 0 to 2 percent slopes	3,619	0.2
1243	Stargo-Playas-Slaw association	8,812	0.6
1252	Wardenot-Unsel-Yomba association	2,795	0.2
1262	Berzatic-Kyler-Rock Outcrop association	10,846	0.7
1263	Berzatic-Downeyville-Pintwater association	8,505	0.6
1290	Oricto-Gynelle association	868	*
1291	Oricto-Izo association	2,792	0.2
1292	Oricto-Luning association	3,321	0.2
1293	Oricto-Terlco-Roic association	140	*
1302	Ricert-Celeton association	4,090	0.3
1303	Ricert-Luning association	4,397	0.3
1304	Ricert-Cliffdown association	6,778	0.4
1320	Terlco association	5,339	0.3
1321	Terlco-Whirlo association	17,571	1.1
1323	Terlco-Annaw-Izo association	1,656	0.1
1326	Terlco-Lyda association	6,392	0.4
1330	Handpah-Veet association	5,615	0.4
1331	Handpah-Veet-Unsel association	6,399	0.4
1332	Handpah-Chuckridge association	11,698	0.8
1333	Handpah-Watoopah-Veet association	22,166	1.4
1334	Handpah-Lyda association	2,590	0.2
1351	Chill-Veet association	2,372	0.2
1360	Wabuska-Playas-Isolde association	771	*
1390	Jevets-Stumble-Univega association	26,640	1.7
1410	Watoopah-Veet association	13,466	0.9
1412	Watoopah-Veet-Zadvar association	11,026	0.7
1420	Squawtip-Bellehelen-Rock Outcrop association	14,928	1.0
1421	Squawtip-Gabbvally-Rock Outcrop association	3,095	0.2
1430	Bellehelen-Rock Outcrop association	13,708	0.9
1451	Grassval-Zaidy-Alley association	49,646	3.2
1452	Grassval-Dewar-Alley association	28,365	1.9
1453	Grassval-Defler-Ricert association	10,175	0.7
1454	Grassval-Wieland association	600	*
1460	Zadvar-Handpah association	4,615	0.3
1461	Zadvar-Chuckridge-Watoopah association	13,523	0.9
1462	Zadvar-Chuckridge association	18,068	1.2
1463	Zadvar-Veet association	626	*

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Acres	Percent
1464	Zadvar-Stewval association	850	*
1465	Zadvar-Unsel association	18,418	1.2
1466	Zadvar-Barnmot-Unsel association	7,910	0.5
1470	Cirac-Wardenot-Slaw association	14,140	0.9
1476	Cirac-Kawich association	1,316	*
1477	Cirac-Stumble association	3,377	0.2
1481	Chuckridge-Unsel-Veet association	400	*
1483	Chuckridge gravelly sandy loam, 2 to 8 percent slopes	2,735	0.2
1492	Slaw-Rustigate association	3,513	0.2
1493	Slaw-Stargo-Geer association	2,362	0.2
1494	Slaw-Gitakup association	5,173	0.3
1495	Slaw-Cirac-Kawich association	3,114	0.2
1510	Isolde-Hawsley association	462	*
1520	Rustigate loam, 0 to 2 percent slopes	90	*
1530	Rebel sandy loam, 0 to 2 percent slopes	955	*
1540	Packer-Suak-Foxvire association	396	*
1551	Sevenmile fine sandy loam, 0 to 2 percent slopes	4,413	0.3
1552	Sevenmile-Mosida-Rebel association	4,335	0.3
1553	Sevenmile gravelly loam, 2 to 8 percent slopes	1,295	*
1580	Kyler very gravelly fine sandy loam, 15 to 50 percent slopes	3,369	0.2
1620	Vinini-Stewval-Gabbvally association	39,530	2.6
1621	Vinini-Beelem-Gabbvally association	3,285	0.2
1631	Lyx-Veet association	3,331	0.2
1648	Armespan-Whilphang-Wrango association	9,990	0.7
1660	Minnye-Annaw-Wardenot association	9,960	0.7
1661	Minnye-Cliffdown-Lyx association	5,116	0.3
1670	Logring-Kyler association	810	*
1680	Uripnes-Rock Outcrop association	2,791	0.2
1681	Uripnes-Budihol-Rock Outcrop association	2,652	0.2
1691	Goldyke-Blacktop-Koyen association	389	*
1704	Leo-Izo association	1,090	*
1705	Leo-Unsel-Lyx association	3,112	0.2
1706	Leo-Zadvar association	11,590	0.8
1741	Keefa-Koyen association	8,312	0.5
1751	Koyen-Unsel association	5,015	0.3
1753	Koyen-Stumble association	5,932	0.4
1760	Vindicator gravelly sandy loam, 8 to 30 percent slopes	3,267	0.2
1790	Hooplite-Theon-Old Camp association	110	*
1792	Hooplite-Rock Outcrop association	445	*
1800	Lyda-Zadvar-Unsel association	17,650	1.2
1801	Lyda-Leo-Zadvar association	2,085	0.1
1802	Lyda-Unsel-Koyen association	4,090	0.3

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Acres	Percent
1805	Lyda-Unsel association	21,742	1.4
1820	Izo very gravelly sand, 2 to 8 percent slopes	638	*
1830	Downeyville-Rock Outcrop complex, 15 to 50 percent slopes	11,071	0.7
1833	Downeyville-Stewval-Blacktop association	9,016	0.6
1834	Downeyville-Blacktop association	6,834	0.4
1835	Downeyville-Goldyke-Blacktop association	3,411	0.2
1840	Veet-Cliffdown association	705	*
1845	Veet-Leo-Minnye association	2,496	0.2
1851	Garhill-Tognoni association	8,082	0.5
1860	Old Camp-Colbar-Rock Outcrop association	2,145	0.1
1891	Blacktop-Downeyville-Rock Outcrop association	2,037	0.1
1900	Playas	4,040	0.3
1901	Playas-Slaw association	635	*
1902	Slickens	26	*
1910	Yomba gravelly fine sandy loam, 0 to 2 percent slopes	13,698	0.9
1911	Yomba-Playas association	50,737	3.3
1930	Stonell-Wardenot-Izo association	1,409	*
1950	Pintwater-Izo association	110	*
1951	Pintwater-Rock Outcrop complex, 15 to 50 percent slopes	3,219	0.2
1953	Pintwater-Terlco association	4,516	0.3
1954	Pintwater-Wardenot-Unsel association	1,965	0.1
1955	Pintwater-Stumble-Downeyville association	921	*
1970	Linoyer-Rebel association	11,065	0.7
1990	Tognoni-Blacktop association	3,308	0.2
2040	Silverbow-Rock Outcrop complex, 8 to 30 percent slopes	235	*
2080	Maggie-Pintwater-Izo association	1,500	*
2081	Maggie-Stewval-Pintwater association	1,300	*
2100	Blappert-Rock Outcrop association	1,790	0.1
2110	Luning-Hawsley-Bluewing association	3,952	0.3
2111	Luning-Izo association	2,443	0.2
2120	Tert-Whilphang-Geer association	4,720	0.3
2121	Tert-Roic association	310	*
2130	Roic-Koyen association	1,285	*
2131	Roic-Vindicator-Rock Outcrop association	917	*
2140	Advokay-Blacktop-Itme association	631	*
2141	Advokay-Blacktop association	197	*
2150	Gynelle very gravelly loamy sand, 0 to 4 percent slopes	366	*
2170	Lathrop-Leo association	15	*
2180	Armoine-Beelem association	6,265	0.4
2181	Armoine-Rock Outcrop association	756	*
2220	Enko-Orovada association	890	*

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Acres	Percent
2230	Rotinom-Wholan association	445	*
2240	Unius-Orovada association	920	*
2241	Unius-Defler association	6,420	0.4
2250	Muni-Orovada-Unius association	980	*
2252	Muni-Alley-Rebel association	3,105	0.2
2271	Buffaran-Wieland association	225	*
2272	Buffaran-Pineval association	1,900	0.1
2290	Spasprey-Alley association	12,775	0.8
2291	Spasprey-Buffaran-Orovada association	5,170	0.3
2300	Kelk-Settlemeyer association	200	*
2320	Rosney-Kelk association	7,220	0.5
2321	Rosney-Dunphy-Paranat association	26,955	1.8
2330	Cliffdown-Lyx association	2,013	0.1
2340	Alley-Portmount-Rebel association	20,355	1.3
2341	Alley-Wiffo-Wrango association	15,570	1.0
2342	Alley-Kelk association	5,070	0.3
2343	Alley-Pineval-Portmount association	27,570	1.8
2344	Alley-Buffaran-Spasprey association	10,165	0.7
2345	Alley-Wieland-Pineval association	3,055	0.2
2360	Dewar-Alley association	15,780	1.0
2361	Dewar-Shabliss-Alley association	43,020	2.8
2400	Zaidy-Alley-Portmount association	3,815	0.2
2401	Zaidy-Ricert-Alley association	4,120	0.3
2410	Settlemeyer silt loam, 2 to 4 percent slopes	900	*
2430	Rose Creek loam, 0 to 2 percent slopes	2,695	0.2
2431	Rose Creek loam, 0 to 2 percent slopes, frequently flooded	370	*
2440	Paranat silt loam, 0 to 2 percent slopes	480	*
	Total	1,530,766	100.0

* Less than 0.1 percent.

x

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS

(See text for a description of the limitations and hazards listed in this table)

Soil name and map symbol	Cropland limitations or hazards
1000:	
Stumble	Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
1001:	
Stumble	Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
1004:	
Stumble	Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
Eastgate	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
1005:	
Stumble	Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Soil blowing Surface crusting
Eastgate	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1021:	
Easychair	Lime content Soil blowing Surface crusting
Penoyer	Lime content Soil blowing Surface crusting
1031:	
Eastgate	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
1035:	
Eastgate	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
Lyx	Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
Stumble	Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
1039:	
Eastgate	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting
Lyx	Limited available water capacity Potential for ground-water pollution Soil blowing Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1050:	
Schwalbe	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Soil blowing Surface stones
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Soil blowing Surface rock fragments
Bellehelen	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Soil blowing Surface stones
1060:	
Celeton	Depth to rock Erosion by water Limited available water capacity Slope Soil blowing Surface rock fragments
Celeton	Depth to rock Erosion by water Limited available water capacity Slope Surface rock fragments
Badland	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1061:	
Celeton	Depth to rock Erosion by water Limited available water capacity Slope Surface rock fragments
Vigus	Potential for ground-water pollution Sodium content
Whirlo	Limited available water capacity Salt content Sodium content Surface crusting
1071:	
Singatse	Areas of rock outcrop Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface stones
Theon	Areas of rock outcrop Depth to rock Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material
1076:	
Singatse	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface stones
Hawsley	Erosion by water Limited available water capacity Potential for ground-water pollution Slope

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1090:	
Univega	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
Watoopah	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
1092:	
Univega	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting
1093:	
Univega	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting
Jevets	Erosion by water Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting
Univega	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1100:	
Gabbvally	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
1130:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
1131:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Geer	Lime content Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1132:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Hollywell	Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Roic	Depth to rock Erosion by water Lime content Limited available water capacity Slope Surface crusting
1133:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Geer	Lime content Surface crusting
1134:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Hollywell	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
Lyx	Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1135:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Watoopah	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
1136:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Eastgate	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
Stumble	Limited available water capacity Potential for ground-water pollution Surface crusting
1137:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1138:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Zadvar	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface rock fragments
1141:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Wardenot	Limited available water capacity Potential for ground-water pollution Surface crusting
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1142:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
Annaw	Limited available water capacity Potential for ground-water pollution Surface crusting
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
1145:	
Unsel	Erosion by water Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Slope Sodium content Surface crusting Surface rock fragments
Annaw	Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1146:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Silverbow	Lime content Limited available water capacity Restricted permeability Root restrictive layer Slope Surface crusting Surface stones
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1147:	
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Hollywell	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
Hollywell	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1148:	
Unsel	Erosion by water Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Slope Sodium content Surface crusting
Ricert	Sodium content Surface crusting
Zaidy	Erosion by water Lime content Limited available water capacity Restricted permeability Root restrictive layer Slope Surface rock fragments
1150:	
Nuyobe	Lime content Potential for ground-water pollution Salt content Sodium content Surface crusting Water table
1162:	
Jung	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Clanalpine	Depth to rock Erosion by water Limited available water capacity Slope Surface rock fragments
Colbar	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1163:	
Jung	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Hooplite	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
1190:	
Penoyer	Lime content Surface crusting
Geer	Lime content Surface crusting
1191:	
Penoyer	Lime content Surface crusting
Sevenmile	Surface crusting
1220:	
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Beelem	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1221:	
Stewval	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Blacktop	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Rock outcrop	Nonsoil material
1222:	
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Downeyville	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Gabbvally	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
1223:	
Stewval	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Rock outcrop	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1226:	
Stewval	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Bellehelen	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Rock outcrop	Nonsoil material
1227:	
Stewval	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Downeyville	Areas of rock outcrop Depth to rock Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1229:	
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Advokay	Depth to rock Lime content Limited available water capacity Surface crusting
Itme	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
1230:	
Geer	Lime content Surface crusting
Eastgate	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
1231:	
Geer	Lime content Surface crusting
1233:	
Geer	Lime content Surface crusting
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
1242:	
Stargo	Lime content Surface crusting
Playas	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1243:	
Stargo	Flooding Lime content Surface crusting
Playas	Nonsoil material
Slaw	Flooding Lime content Salt content Sodium content Surface crusting
1252:	
Wardenot	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Yomba	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
1262:	
Berzatic	Areas of rock outcrop Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Kyler	Areas of rock outcrop Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1263:	
Berzatic	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Downeyville	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Pintwater	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
1290:	
Oricto	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Salt content Sodium content Surface crusting Surface rock fragments
Gynelle	Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1291:	
Oricto	Erosion by water Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Salt content Slope Sodium content Surface crusting Surface rock fragments
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1292:	
Oricto	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Salt content Sodium content Surface crusting
Luning	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1293:	
Oricto	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Salt content Sodium content Surface crusting Surface rock fragments
Terlco	Excessive permeability below restriction Lime content Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
Roic	Depth to rock Lime content Limited available water capacity Slope Surface crusting Surface rock fragments
1302:	
Ricert	Sodium content Surface crusting
Celeton	Depth to rock Erosion by water Limited available water capacity Slope Surface rock fragments
1303:	
Ricert	Sodium content Surface crusting Surface rock fragments
Luning	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1304:	
Ricert	Sodium content Surface crusting Surface rock fragments
Ricert	Sodium content Surface crusting Surface rock fragments
Cliffdown	Lime content Limited available water capacity Surface crusting
1320:	
Terlco	Excessive permeability below restriction Lime content Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
Terlco	Erosion by water Excessive permeability below restriction Lime content Potential for ground-water pollution Slope Sodium content Surface crusting Surface rock fragments
1321:	
Terlco	Excessive permeability below restriction Lime content Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
Whirlo	Limited available water capacity Salt content Sodium content Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1323:	
Terlco	Excessive permeability below restriction Lime content Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
Annaw	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1326:	
Terlco	Excessive permeability below restriction Lime content Potential for ground-water pollution Slope Sodium content Surface crusting Surface rock fragments
Lyda	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
1330:	
Handpah	Lime content Limited available water capacity Restricted permeability Root restrictive layer
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1331:	
Handpah	Lime content Limited available water capacity Restricted permeability Root restrictive layer
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface stones
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
1332:	
Handpah	Lime content Limited available water capacity Restricted permeability Root restrictive layer
Chuckridge	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting
1333:	
Handpah	Lime content Limited available water capacity Restricted permeability Root restrictive layer
Watoopah	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1334:	
Handpah	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
Lyda	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
1351:	
Chill	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting
1360:	
Wabuska	Potential for ground-water pollution Sodium content Surface crusting Water table
Playas	Nonsoil material
Isolde	Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1390:	
Jevets	Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting
Stumble	Limited available water capacity Potential for ground-water pollution Surface crusting
Univega	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting
1410:	
Watoopah	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface stones
1412:	
Watoopah	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface stones
Zadvar	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1420:	
Squawtip	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Slope Surface stones
Bellehelen	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Rock outcrop	Nonsoil material
1421:	
Squawtip	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Slope Surface stones
Gabbvally	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material
1430:	
Bellehelen	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Rock outcrop	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1451:	
Grassval	Limited available water capacity Restricted permeability Root restrictive layer
Zaidy	Erosion by water Lime content Limited available water capacity Restricted permeability Root restrictive layer Slope Surface rock fragments
Alley	Lime content
1452:	
Grassval	Limited available water capacity Restricted permeability Root restrictive layer
Dewar	Erosion by water Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting
Alley	Erosion by water Lime content Slope
1453:	
Grassval	Erosion by water Limited available water capacity Restricted permeability Root restrictive layer Slope
Defler	Flooding Limited available water capacity Salt content
Ricert	Sodium content Surface crusting
1454:	
Grassval	Limited available water capacity Restricted permeability Root restrictive layer
Wieland	Erosion by water

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1460:	
Zadvar	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
Handpah	Lime content Limited available water capacity Restricted permeability Root restrictive layer
1461:	
Zadvar	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting
Chuckridge	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting
Watoopah	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Surface crusting
1462:	
Zadvar	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting
Chuckridge	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1463:	
Zadvar	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1464:	
Zadvar	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
1465:	
Zadvar	Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface rock fragments
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1466:	
Zadvar	Erosion by water Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface rock fragments
Barnmot	Erosion by water Slope Surface crusting
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
1470:	
Cirac	Lime content Salt content Sodium content Surface crusting
Wardenot	Limited available water capacity Potential for ground-water pollution Salt content Sodium content Surface crusting
Slaw	Flooding Lime content Salt content Sodium content Surface crusting
1476:	
Cirac	Lime content Salt content Sodium content Surface crusting
Kawich	Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Salt content Slope Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1477:	
Cirac	Lime content Salt content Sodium content Surface crusting
Cirac	Lime content Salt content Sodium content Surface crusting
Stumble	Limited available water capacity Potential for ground-water pollution Surface crusting
1481:	
Chuckridge	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1483:	
Chuckridge	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting
1492:	
Slaw	Flooding Lime content Salt content Sodium content Surface crusting
Rustigate	Lime content Surface crusting Water table

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1493:	
Slaw	Flooding Lime content Salt content Sodium content Surface crusting
Stargo	Lime content Surface crusting
Geer	Lime content Surface crusting
1494:	
Slaw	Flooding Salt content Sodium content Surface crusting
Slaw	Flooding Lime content Salt content Sodium content Surface crusting
Gitakup	Lime content Salt content Sodium content Surface crusting
1495:	
Slaw	Flooding Lime content Salt content Sodium content Surface crusting
Cirac	Lime content Salt content Sodium content Surface crusting
Kawich	Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Salt content Slope Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1510:	
Isolde	Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting
Hawsley	Limited available water capacity Potential for ground-water pollution
1520:	
Rustigate	Lime content Surface crusting Water table
1530:	
Rebel	Lime content Surface crusting
1540:	
Packer	Erosion by water Limited available water capacity Short frost-free season Slope Surface rock fragments
Suak	Depth to rock Limited available water capacity Potential for ground-water pollution Short frost-free season Slope Surface stones
Foxvire	Erosion by water Short frost-free season Slope
1551:	
Sevenmile	Surface crusting
1552:	
Sevenmile	None
Mosida	Flooding
Rebel	Erosion by water Lime content Surface crusting
1553:	
Sevenmile	None

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1580:	
Kyler	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
1620:	
Vinini	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface stones
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Gabbvally	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface stones

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1621:	
Vinini	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface stones
Beelem	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Gabbvally	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface stones
1631:	
Lyx	Limited available water capacity Potential for ground-water pollution Surface crusting
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1648:	
Armespan	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Salt content Surface crusting Surface rock fragments
Whilphang	Depth to rock Erosion by water Lime content Limited available water capacity Slope Surface crusting Surface rock fragments
Wrango	Lime content Limited available water capacity Potential for ground-water pollution Surface rock fragments
1660:	
Minnye	Lime content Limited available water capacity Surface crusting Surface rock fragments
Annaw	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
Wardenot	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1661:	
Minnye	Lime content Limited available water capacity Surface crusting Surface rock fragments
Cliffdown	Lime content Limited available water capacity Surface crusting
Lyx	Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1670:	
Logring	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Kyler	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
1680:	
Uripnes	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Rock outcrop	Nonsoil material
1681:	
Uripnes	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Budihol	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
Rock outcrop	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1691:	
Goldyke	Depth to rock Erosion by water Limited available water capacity Slope
Blacktop	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Koyen	Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
1704:	
Leo	Lime content Limited available water capacity Potential for ground-water pollution
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1705:	
Leo	Lime content Limited available water capacity Potential for ground-water pollution
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
Lyx	Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1706:	
Leo	Lime content Limited available water capacity Potential for ground-water pollution Surface rock fragments
Zadvar	Erosion by water Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface rock fragments
1741:	
Keefa	Lime content Surface crusting
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
1751:	
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1753:	
Koyen	Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
Stumble	Limited available water capacity Potential for ground-water pollution Surface crusting
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
1760:	
Vindicator	Depth to rock Erosion by water Limited available water capacity Slope
1790:	
Hooplite	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Theon	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Old Camp	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1792:	
Hooplite	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Rock outcrop	Nonsoil material
1800:	
Lyda	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
Zadvar	Erosion by water Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface rock fragments
Unsel	Erosion by water Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Slope Sodium content Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1801:	
Lyda	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
Leo	Lime content Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Zadvar	Erosion by water Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface rock fragments
1802:	
Lyda	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting
Koyen	Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1805:	
Lyda	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
1820:	
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1830:	
Downeyville	Areas of rock outcrop Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1833:	
Downeyville	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Blacktop	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
1834:	
Downeyville	Depth to rock Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Blacktop	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1835:	
Downeyville	Depth to rock Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface stones
Goldyke	Depth to rock Erosion by water Limited available water capacity Slope
Blacktop	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
1840:	
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
Cliffdown	Lime content Limited available water capacity Surface crusting
1845:	
Veet	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
Leo	Lime content Limited available water capacity Potential for ground-water pollution Surface rock fragments
Minnye	Lime content Limited available water capacity Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1851:	
Garhill	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface stones
Tognoni	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
1860:	
Old Camp	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Colbar	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Rock outcrop	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1891:	
Blacktop	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Downeyville	Areas of rock outcrop Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material
1900:	
Playas	Nonsoil material
1901:	
Playas	Nonsoil material
Slaw	Flooding Lime content Salt content Sodium content Surface crusting
1902:	
Slickens	Nonsoil material
1910:	
Yomba	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1911:	
Yomba	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
Playas	Nonsoil material
Yomba	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
1930:	
Stonell	Lime content Limited available water capacity Potential for ground-water pollution Salt content Surface crusting
Wardenot	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
1950:	
Pintwater	Depth to rock Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface stones

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1951:	
Pintwater	Areas of rock outcrop Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material
1953:	
Pintwater	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting
Terlco	Excessive permeability below restriction Lime content Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
1954:	
Pintwater	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Wardenot	Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
Unsel	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1955:	
Pintwater	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Stumble	Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting
Downeyville	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting
1970:	
Linoyer	Potential for ground-water pollution Surface crusting
Rebel	Lime content Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
1990:	
Tognoni	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Tognoni	Depth to rock Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Blacktop	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface stones
2040:	
Silverbow	Areas of rock outcrop Erosion by water Lime content Limited available water capacity Restricted permeability Root restrictive layer Slope Surface crusting Surface stones
Rock outcrop	Nonsoil material

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2080:	
Maggie	Depth to rock Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Surface crusting Surface rock fragments
Pintwater	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface stones
2081:	
Maggie	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope Surface crusting Surface rock fragments
Stewval	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Pintwater	Depth to rock Erosion by water Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2100:	
Blappert	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material
2110:	
Luning	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
Hawsley	Limited available water capacity Potential for ground-water pollution
Bluewing	Flooding Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
2111:	
Luning	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
Izo	Flooding Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2120:	
Tert	Depth to rock Erosion by water Lime content Limited available water capacity Slope
Whilphang	Depth to rock Erosion by water Lime content Limited available water capacity Slope Surface crusting
Geer	Lime content Surface crusting
2121:	
Tert	Depth to rock Erosion by water Lime content Limited available water capacity Slope
Roic	Depth to rock Erosion by water Lime content Limited available water capacity Slope Surface crusting
2130:	
Roic	Depth to rock Erosion by water Lime content Limited available water capacity Slope Surface crusting
Koyen	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2131:	
Roic	Areas of rock outcrop Depth to rock Erosion by water Lime content Limited available water capacity Slope Surface crusting Surface rock fragments
Vindicator	Areas of rock outcrop Depth to rock Erosion by water Limited available water capacity Slope
Rock outcrop	Nonsoil material
2140:	
Advokay	Depth to rock Lime content Limited available water capacity Surface crusting
Blacktop	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
Itme	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting
2141:	
Advokay	Depth to rock Erosion by water Lime content Limited available water capacity Slope Surface crusting
Blacktop	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2150:	
Gynelle	Lime content Limited available water capacity Potential for ground-water pollution Sodium content Surface crusting Surface rock fragments
2170:	
Lathrop	Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Slope Surface crusting Surface stones
Leo	Lime content Limited available water capacity Potential for ground-water pollution Slope Surface rock fragments
2180:	
Armoine	Depth to rock Lime content Limited available water capacity Slope Surface crusting Surface rock fragments
Beelem	Depth to rock Erosion by water Limited available water capacity Potential for ground-water pollution Slope
2181:	
Armoine	Areas of rock outcrop Depth to rock Erosion by water Lime content Limited available water capacity Slope Surface crusting Surface rock fragments
Rock outcrop	Nonsoil material
2220:	
Enko	Surface crusting
Orovada	Salt content Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2230:	
Rotinom	Flooding Lime content Surface crusting
Wholan	Flooding Lime content Salt content Sodium content Surface crusting
Wholan	Flooding Lime content Salt content Sodium content Surface crusting
2240:	
Unius	Erosion by water Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer
Orovada	Erosion by water Salt content Sodium content Surface crusting
2241:	
Unius	Erosion by water Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer
Defler	Lime content Limited available water capacity Salt content

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2250:	
Muni	Erosion by water Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer
Orovada	Salt content Sodium content Surface crusting
Unius	Erosion by water Excessive permeability below restriction Lime content Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer Slope
2252:	
Muni	Erosion by water Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Restricted permeability Root restrictive layer
Alley	Lime content
Rebel	Erosion by water Lime content Surface crusting
2271:	
Buffaran	Erosion by water Limited available water capacity Restricted permeability Root restrictive layer Surface rock fragments
Wieland	Erosion by water Slope

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2272:	
Buffaran	Erosion by water Limited available water capacity Restricted permeability Root restrictive layer Slope
Pineval	Erosion by water Limited available water capacity Slope
2290:	
Spasprey	Lime content Restricted permeability Root restrictive layer
Alley	Lime content Surface crusting
2291:	
Spasprey	Lime content Restricted permeability Root restrictive layer
Buffaran	Limited available water capacity Restricted permeability Root restrictive layer Surface rock fragments
Orovada	Salt content Sodium content Surface crusting
2300:	
Kelk	Surface crusting
Settlemeyer	Surface crusting
2320:	
Rosney	Lime content Salt content Sodium content Surface crusting
Kelk	Erosion by water Surface crusting
Kelk	Erosion by water Surface crusting

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2321:	
Rosney	Lime content Salt content Sodium content Surface crusting
Dunphy	Excessive permeability below restriction Lime content Potential for ground-water pollution Salt content Sodium content Surface crusting Water table
Paranat	Flooding Lime content Potential for ground-water pollution Surface crusting Water table
2330:	
Cliffdown	Lime content Limited available water capacity Surface crusting
Lyx	Limited available water capacity Potential for ground-water pollution Surface crusting
2340:	
Alley	Lime content
Portmount	Erosion by water Surface crusting
Rebel	Lime content Surface crusting
2341:	
Alley	Lime content
Wiffo	Lime content Limited available water capacity Potential for ground-water pollution Surface crusting Surface rock fragments
Wrango	Erosion by water Limited available water capacity Potential for ground-water pollution

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2342:	
Alley	Lime content Surface crusting
Kelk	Surface crusting
2343:	
Alley	Lime content
Pineval	Erosion by water Limited available water capacity Slope
Portmount	Surface crusting
2344:	
Alley	Lime content
Buffaran	Erosion by water Limited available water capacity Restricted permeability Root restrictive layer
Spasprey	Erosion by water Lime content Restricted permeability Root restrictive layer
2345:	
Alley	Erosion by water Lime content Slope Surface crusting
Wieland	Erosion by water Slope
Pineval	Erosion by water Limited available water capacity Slope
2360:	
Dewar	Erosion by water Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface crusting
Alley	Lime content

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2361:	
Dewar	Erosion by water Limited available water capacity Restricted permeability Root restrictive layer Surface rock fragments
Shabliss	Erosion by water Excessive permeability below restriction Limited available water capacity Potential for ground-water pollution Root restrictive layer Slope Sodium content Surface crusting
Alley	Lime content
2400:	
Zaidy	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface rock fragments
Alley	Lime content
Portmount	Surface crusting
2401:	
Zaidy	Lime content Limited available water capacity Restricted permeability Root restrictive layer Surface rock fragments
Ricert	Sodium content Surface crusting
Alley	Lime content
2410:	
Settlemeyer	Potential for ground-water pollution Water table
2430:	
Rose Creek	Sodium content Surface crusting Water table

TABLE 5.--CROPLAND LIMITATIONS AND HAZARDS--Continued

Soil name and map symbol	Cropland limitations or hazards
2431:	
Rose Creek	Flooding Potential for ground-water pollution Surface crusting Water table
2440:	
Paranat	Flooding Lime content Potential for ground-water pollution Surface crusting Water table

TABLE 6.--LAND CAPABILITY AND YIELDS PER ACRE OF CROPS

(Yields are those that can be expected under a high level of irrigated management by component name. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil)

Map symbol and soil name	Land capability	Alfalfa hay	Grass hay
		Tons	Tons
1530:			
Rebel----------	2C	5.4	---
2320:			
Rosney----------	3S	3.5	---
Kelk----------	2E	6.0	---
Kelk----------		---	---
2410:			
Settlemeyer------	3W	6.0	---
2430:			
Rose Creek-------	2W	5.0	---
2431:			
Rose Creek-------	3W	---	3.0
2440:			
Paranat----------	3W	---	2.0

Table 7.--SUITABILITY FOR RANGELAND SEEDING

Soil name and map symbol	Limitation rating	Restrictive features
1000:		
Stumble	Poorly suited	Too arid, droughty, too sandy.
1001:		
Stumble	Poorly suited	Too arid, droughty, too sandy.
Koyen	Poorly suited	Too arid.
1004:		
Stumble	Poorly suited	Too arid, droughty, too sandy.
Eastgate	Poorly suited	Too arid, droughty, too sandy.
1005:		
Stumble	Poorly suited	Too arid, droughty, too sandy.
Unsel	Poorly suited	Too arid.
Eastgate	Poorly suited	Too arid, droughty, too sandy.
1021:		
Easychair	Poorly suited	Too arid, soil blowing.
Penoyer	Poorly suited	Too arid.
1031:		
Eastgate	Poorly suited	Too arid, soil blowing.
1035:		
Eastgate	Poorly suited	Too arid, droughty, too sandy.
Lyx	Poorly suited	Too arid, droughty.
Stumble	Poorly suited	Too arid, droughty, too sandy.
1039:		
Eastgate	Poorly suited	Too arid, droughty, too sandy.
Lyx	Poorly suited	Too arid, droughty, small stones.
1050:		
Schwalbe	Poorly suited	Small stones.
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Bellehelen	Poorly suited	Droughty, small stones.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1060:		
Celeton	Poorly suited	Too arid, droughty, depth to rock.
Celeton	Poorly suited	Too arid, droughty, depth to rock.
1061:		
Celeton	Poorly suited	Too arid, droughty, depth to rock.
Vigus	Poorly suited	Too arid, too sandy, excess sodium.
Whirlo	Poorly suited	Too arid, excess salt, excess sodium.
1071:		
Singatse	Poorly suited	Too arid, droughty, small stones.
Theon	Poorly suited	Too arid, droughty, small stones.
1076:		
Singatse	Poorly suited	Too arid, droughty, small stones.
Hawsley	Poorly suited	Too arid, droughty, too sandy.
1090:		
Univega	Poorly suited	Too arid, droughty, too sandy.
Koyen	Poorly suited	Too arid.
Watoopah	Suited	Too arid, droughty.
1092:		
Univega	Poorly suited	Too arid, droughty, too sandy.
1093:		
Univega	Poorly suited	Too arid, droughty, soil blowing.
Jevets	Poorly suited	Too arid, droughty, too sandy.
Univega	Poorly suited	Too arid, droughty.
1100:		
Gabbvally	Poorly suited	Droughty, small stones.
Stewval	Poorly suited	Droughty, small stones, depth to rock.
1130:		
Unsel	Poorly suited	Too arid, soil blowing.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1131:		
Unsel	Poorly suited	Too arid, soil blowing.
Geer	Poorly suited	Too arid.
1132:		
Unsel	Poorly suited	Too arid, soil blowing.
Hollywell	Poorly suited	Too arid, droughty, too sandy.
Roic	Poorly suited	Too arid, droughty, depth to rock.
1133:		
Unsel	Poorly suited	Too arid, soil blowing.
Geer	Poorly suited	Too arid.
1134:		
Unsel	Poorly suited	Too arid, soil blowing.
Hollywell	Poorly suited	Too arid, too sandy.
Lyx	Poorly suited	Too arid, droughty.
1135:		
Unsel	Poorly suited	Too arid, soil blowing.
Watoopah	Suited	Too arid, droughty.
1136:		
Unsel	Poorly suited	Too arid, soil blowing.
Eastgate	Poorly suited	Too arid, droughty, too sandy.
Stumble	Poorly suited	Too arid, droughty, too sandy.
1137:		
Unsel	Poorly suited	Too arid, soil blowing.
Koyen	Poorly suited	Too arid.
1138:		
Unsel	Poorly suited	Too arid, soil blowing.
Zadvar	Poorly suited	Droughty, small stones, rooting depth.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1141:		
Unsel	Poorly suited	Too arid, soil blowing.
Wardenot	Poorly suited	Too arid, droughty, too sandy.
Izo	Poorly suited	Too arid, droughty.
1142:		
Unsel	Poorly suited	Too arid.
Annaw	Poorly suited	Too arid, droughty.
Izo	Poorly suited	Too arid, droughty, small stones.
1145:		
Unsel	Poorly suited	Too arid.
Annaw	Poorly suited	Too arid, droughty.
1146:		
Unsel	Poorly suited	Too arid, soil blowing.
Silverbow	Poorly suited	Too arid, droughty, small stones.
Izo	Poorly suited	Too arid, droughty, small stones.
1147:		
Unsel	Poorly suited	Too arid, soil blowing.
Hollywell	Poorly suited	Too arid, too sandy.
Hollywell	Poorly suited	Too arid, too sandy.
1148:		
Unsel	Poorly suited	Too arid, soil blowing.
Ricert	Poorly suited	Too arid, excess salt, excess sodium.
Zaidy	Suited	Too arid, droughty.
1150:		
Nuyobe	Poorly suited	Excess salt, excess sodium, soil blowing.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1162:		
Jung	Poorly suited	Droughty, small stones, rooting depth.
Clanalpine	Poorly suited	Small stones.
Colbar	Suited	Too arid, droughty, large stones.
1163:		
Jung	Poorly suited	Droughty, small stones, rooting depth.
Hooplite	Poorly suited	Droughty, small stones.
1190:		
Penoyer	Poorly suited	Too arid, soil blowing.
Geer	Poorly suited	Too arid.
1191:		
Penoyer	Poorly suited	Too arid, soil blowing.
Sevenmile	Suited	Too arid.
1220:		
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Beelem	Poorly suited	Droughty, depth to rock.
1221:		
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Blacktop	Poorly suited	Too arid, droughty, small stones.
1222:		
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Downeyville	Poorly suited	Too arid, droughty, small stones.
Gabbvally	Poorly suited	Droughty, small stones.
1223:		
Stewval	Poorly suited	Droughty, small stones, depth to rock.
1226:		
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Bellehelen	Poorly suited	Droughty, small stones.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1227:		
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Downeyville	Poorly suited	Too arid, droughty, small stones.
1229:		
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Advokay	Poorly suited	Too arid, droughty, depth to rock.
Itme	Poorly suited	Too arid, droughty, too sandy.
1230:		
Geer	Poorly suited	Too arid, soil blowing.
Eastgate	Poorly suited	Too arid, droughty, too sandy.
1231:		
Geer	Poorly suited	Too arid, soil blowing.
1233:		
Geer	Poorly suited	Too arid, soil blowing.
Koyen	Poorly suited	Too arid.
1242:		
Stargo	Poorly suited	Too arid, soil blowing.
1243:		
Stargo	Poorly suited	Too arid, rooting depth, soil blowing.
Slaw	Poorly suited	Too arid, excess salt, excess sodium.
1252:		
Wardenot	Poorly suited	Too arid, droughty, too sandy.
Unsel	Poorly suited	Too arid.
Yomba	Poorly suited	Too arid.
1262:		
Berzatic	Poorly suited	Too arid, droughty, small stones.
Kyler	Poorly suited	Droughty, small stones.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1263:		
Berzatic	Poorly suited	Too arid, droughty, small stones.
Downeyville	Poorly suited	Too arid, droughty, small stones.
Pintwater	Poorly suited	Too arid, droughty, small stones.
1290:		
Oricto	Poorly suited	Too arid, small stones, excess salt.
Gynelle	Poorly suited	Too arid, droughty, small stones.
1291:		
Oricto	Poorly suited	Too arid, small stones, excess salt.
Izo	Poorly suited	Too arid, droughty, small stones.
1292:		
Oricto	Poorly suited	Too arid, small stones, rooting depth.
Luning	Poorly suited	Too arid, droughty.
1293:		
Oricto	Poorly suited	Too arid, small stones, excess salt.
Terlco	Poorly suited	Too arid, excess salt, excess sodium.
Roic	Poorly suited	Too arid, droughty, depth to rock.
1302:		
Ricert	Poorly suited	Too arid, excess salt, excess sodium.
Celeton	Poorly suited	Too arid, droughty, depth to rock.
1303:		
Ricert	Poorly suited	Too arid, excess salt, excess sodium.
Luning	Poorly suited	Too arid, droughty.
1304:		
Ricert	Poorly suited	Too arid, excess salt, excess sodium.
Ricert	Poorly suited	Too arid, excess salt, excess sodium.
Cliffdown	Poorly suited	Too arid, droughty, excess salt.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1320:		
Terlco	Poorly suited	Too arid, excess salt, excess sodium.
Terlco	Poorly suited	Too arid, excess salt, excess sodium.
1321:		
Terlco	Poorly suited	Too arid, excess salt, excess sodium.
Whirlo	Poorly suited	Too arid, excess salt, excess sodium.
1323:		
Terlco	Poorly suited	Too arid, excess salt, excess sodium.
Annaw	Poorly suited	Too arid, droughty.
Izo	Poorly suited	Too arid, droughty, too sandy.
1326:		
Terlco	Poorly suited	Too arid, excess salt, excess sodium.
Lyda	Poorly suited	Too arid, droughty, small stones.
1330:		
Handpah	Poorly suited	Rooting depth, soil blowing.
Veet	Poorly suited	Droughty, small stones.
1331:		
Handpah	Poorly suited	Rooting depth, soil blowing.
Veet	Poorly suited	Droughty, small stones.
Unsel	Poorly suited	Too arid.
1332:		
Handpah	Poorly suited	Rooting depth, soil blowing.
Chuckridge	Poorly suited	Droughty, rooting depth.
1333:		
Handpah	Poorly suited	Rooting depth, soil blowing.
Watoopah	Suited	Too arid, droughty.
Veet	Poorly suited	Droughty, small stones.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1334:		
Handpah	Poorly suited	Droughty, small stones, rooting depth.
Lyda	Poorly suited	Too arid, droughty, small stones.
1351:		
Chill	Poorly suited	Droughty, rooting depth, soil blowing.
Veet	Suited	Too arid, droughty.
1360:		
Wabuska	Poorly suited	Excess salt, excess sodium, soil blowing.
Isolde	Poorly suited	Too arid.
1390:		
Jevets	Poorly suited	Too arid, droughty, too sandy.
Stumble	Poorly suited	Too arid, droughty, too sandy.
Univega	Poorly suited	Too arid, droughty, too sandy.
1410:		
Watoopah	Poorly suited	Soil blowing.
Veet	Poorly suited	Droughty, small stones.
1412:		
Watoopah	Poorly suited	Soil blowing.
Veet	Poorly suited	Droughty, small stones.
Zadvar	Poorly suited	Droughty, rooting depth.
1420:		
Squawtip	Suited	Droughty, large stones, erodes easily.
Bellehelen	Poorly suited	Droughty, small stones.
1421:		
Squawtip	Suited	Droughty, large stones.
Gabbvally	Poorly suited	Droughty, small stones.
1430:		
Bellehelen	Poorly suited	Droughty, small stones.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1451:		
Grassval	Poorly suited	Droughty, rooting depth.
Zaidy	Suited	Too arid, droughty.
Alley	Poorly suited	Rooting depth.
1452:		
Grassval	Poorly suited	Droughty, rooting depth.
Dewar	Poorly suited	Droughty, excess salt.
Alley	Poorly suited	Rooting depth.
1453:		
Grassval	Poorly suited	Droughty, rooting depth.
Defler	Poorly suited	Too arid, droughty, small stones.
Ricert	Poorly suited	Too arid, excess salt, excess sodium.
1454:		
Grassval	Poorly suited	Droughty, rooting depth.
Wieland	Poorly suited	Rooting depth.
1460:		
Zadvar	Poorly suited	Droughty, small stones, rooting depth.
Handpah	Poorly suited	Rooting depth.
1461:		
Zadvar	Poorly suited	Droughty, rooting depth, soil blowing.
Chuckridge	Poorly suited	Droughty, rooting depth.
Watoopah	Suited	Too arid, droughty.
1462:		
Zadvar	Poorly suited	Droughty, rooting depth, soil blowing.
Chuckridge	Poorly suited	Droughty, rooting depth.
1463:		
Zadvar	Poorly suited	Droughty, small stones, rooting depth.
Veet	Poorly suited	Droughty, small stones.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1464:		
Zadvar	Poorly suited	Droughty, rooting depth, soil blowing.
Stewval	Poorly suited	Droughty, small stones, depth to rock.
1465:		
Zadvar	Poorly suited	Droughty, small stones, rooting depth.
Unsel	Poorly suited	Too arid.
1466:		
Zadvar	Poorly suited	Droughty, small stones, rooting depth.
Barnmot	Poorly suited	Too arid, excess salt.
Unsel	Poorly suited	Too arid.
1470:		
Cirac	Poorly suited	Too arid, excess salt, excess sodium.
Wardenot	Poorly suited	Too arid, droughty, too sandy.
Slaw	Poorly suited	Too arid, rooting depth, excess salt.
1476:		
Cirac	Poorly suited	Too arid, excess salt, excess sodium.
Kawich	Poorly suited	Too arid, droughty, too sandy.
1477:		
Cirac	Poorly suited	Too arid, excess salt, excess sodium.
Cirac	Poorly suited	Too arid, excess salt, excess sodium.
Stumble	Poorly suited	Too arid, droughty, too sandy.
1481:		
Chuckridge	Poorly suited	Droughty, rooting depth, soil blowing.
Unsel	Poorly suited	Too arid.
Veet	Poorly suited	Droughty, small stones.
1483:		
Chuckridge	Poorly suited	Droughty, rooting depth, soil blowing.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1492:		
Slaw	Poorly suited	Too arid, excess salt, excess sodium.
Rustigate	Poorly suited	Too arid.
1493:		
Slaw	Poorly suited	Too arid, excess salt, excess sodium.
Stargo	Poorly suited	Too arid.
Geer	Poorly suited	Too arid.
1494:		
Slaw	Poorly suited	Too arid, rooting depth, excess salt.
Slaw	Poorly suited	Too arid, excess salt, excess sodium.
Gitakup	Poorly suited	Too arid, excess salt, excess sodium.
1495:		
Slaw	Poorly suited	Too arid, rooting depth, excess salt.
Cirac	Poorly suited	Too arid, excess salt, excess sodium.
Kawich	Poorly suited	Too arid, droughty, too sandy.
1510:		
Isolde	Poorly suited	Too arid, soil blowing.
Hawsley	Poorly suited	Too arid, droughty, too sandy.
1520:		
Rustigate	Poorly suited	Too arid, soil blowing.
1530:		
Rebel	Poorly suited	Soil blowing.
1540:		
Packer	Poorly suited	Small stones.
Suak	Poorly suited	Droughty, small stones.
Foxvire	Suited	
1551:		
Sevenmile	Poorly suited	Soil blowing.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1552:		
Sevenmile	Suited	Too arid.
Mosida	Suited	Too arid.
Rebel	Suited	Too arid, excess salt, excess sodium.
1553:		
Sevenmile	Suited	Too arid.
1580:		
Kyler	Poorly suited	Droughty, small stones.
1620:		
Vinini	Poorly suited	Droughty, small stones, rooting depth.
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Gabbvally	Poorly suited	Droughty, small stones.
1621:		
Vinini	Poorly suited	Droughty, small stones, rooting depth.
Beelem	Poorly suited	Droughty, depth to rock.
Gabbvally	Poorly suited	Droughty, small stones.
1631:		
Lyx	Poorly suited	Too arid, droughty, soil blowing.
Veet	Poorly suited	Droughty, small stones.
1648:		
Armespan	Poorly suited	Excess salt.
Whilphang	Poorly suited	Droughty, small stones.
Wrango	Poorly suited	Droughty, small stones.
1660:		
Minnye	Poorly suited	Too arid, small stones.
Annaw	Poorly suited	Too arid, droughty.
Wardenot	Poorly suited	Too arid, droughty, too sandy.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1661:		
Minnye	Poorly suited	Too arid, small stones.
Cliffdown	Poorly suited	Too arid, droughty, excess salt.
Lyx	Poorly suited	Too arid, droughty.
1670:		
Logring	Poorly suited	Droughty, small stones.
Kyler	Poorly suited	Droughty, small stones.
1680:		
Uripnes	Poorly suited	Too arid, droughty, small stones.
1681:		
Uripnes	Poorly suited	Too arid, droughty, large stones.
Budihol	Poorly suited	Droughty.
1691:		
Goldyke	Poorly suited	Too arid, droughty, depth to rock.
Blacktop	Poorly suited	Too arid, droughty, small stones.
Koyen	Poorly suited	Too arid.
1704:		
Leo	Poorly suited	Too arid, droughty, soil blowing.
Izo	Poorly suited	Too arid, droughty, small stones.
1705:		
Leo	Poorly suited	Too arid, droughty, soil blowing.
Unsel	Poorly suited	Too arid.
Lyx	Poorly suited	Too arid, droughty.
1706:		
Leo	Poorly suited	Too arid, droughty, small stones.
Zadvar	Poorly suited	Droughty, small stones, rooting depth.
1741:		
Keefa	Poorly suited	Too arid, soil blowing.
Koyen	Poorly suited	Too arid.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1751:		
Koyen	Poorly suited	Too arid, soil blowing.
Unsel	Poorly suited	Too arid.
Koyen	Poorly suited	Too arid.
1753:		
Koyen	Poorly suited	Too arid, soil blowing.
Stumble	Poorly suited	Too arid, droughty, too sandy.
Koyen	Poorly suited	Too arid.
1760:		
Vindicator	Poorly suited	Too arid, droughty, depth to rock.
1790:		
Hooplite	Poorly suited	Droughty, small stones.
Theon	Poorly suited	Too arid, droughty, small stones.
Old camp	Poorly suited	Too arid, droughty, small stones.
1792:		
Hooplite	Poorly suited	Droughty, small stones.
1800:		
Lyda	Poorly suited	Too arid, droughty, small stones.
Zadvar	Poorly suited	Droughty, small stones, rooting depth.
Unsel	Poorly suited	Too arid.
1801:		
Lyda	Poorly suited	Too arid, droughty, small stones.
Leo	Poorly suited	Too arid, droughty, small stones.
Zadvar	Poorly suited	Too arid, droughty, rooting depth.
1802:		
Lyda	Poorly suited	Too arid, droughty, small stones.
Unsel	Poorly suited	Too arid.
Koyen	Poorly suited	Too arid.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1805:		
Lyda	Poorly suited	Too arid, droughty, small stones.
Unsel	Poorly suited	Too arid.
Unsel	Poorly suited	Too arid.
1820:		
Izo	Poorly suited	Too arid, droughty, small stones.
1830:		
Downeyville	Poorly suited	Too arid, droughty, small stones.
1833:		
Downeyville	Poorly suited	Too arid, droughty, small stones.
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Blacktop	Poorly suited	Too arid, droughty, small stones.
1834:		
Downeyville	Poorly suited	Too arid, droughty, small stones.
Blacktop	Poorly suited	Too arid, droughty, small stones.
1835:		
Downeyville	Poorly suited	Too arid, droughty, small stones.
Goldyke	Poorly suited	Too arid, droughty, depth to rock.
Blacktop	Poorly suited	Too arid, droughty, large stones.
1840:		
Veet	Poorly suited	Droughty, small stones.
Cliffdown	Poorly suited	Too arid, droughty, excess salt.
1845:		
Veet	Poorly suited	Droughty, small stones.
Leo	Poorly suited	Too arid, droughty, small stones.
Minnye	Poorly suited	Too arid, small stones.
1851:		
Garhill	Poorly suited	Too arid, droughty, excess salt.
Tognoni	Poorly suited	Too arid, droughty, small stones.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1860:		
Old camp	Poorly suited	Too arid, droughty, small stones.
Colbar	Suited	Too arid, droughty, large stones.
1891:		
Blacktop	Poorly suited	Too arid, droughty, small stones.
Downeyville	Poorly suited	Too arid, droughty, small stones.
1901:		
Slaw	Poorly suited	Too arid, excess salt, excess sodium.
1910:		
Yomba	Poorly suited	Too arid, soil blowing.
1911:		
Yomba	Poorly suited	Too arid, soil blowing.
Yomba	Poorly suited	Too arid.
1930:		
Stonell	Poorly suited	Too arid, droughty, small stones.
Wardenot	Poorly suited	Too arid, droughty, too sandy.
Izo	Poorly suited	Too arid, droughty, small stones.
1950:		
Pintwater	Poorly suited	Too arid, droughty, small stones.
Izo	Poorly suited	Too arid, droughty, too sandy.
1951:		
Pintwater	Poorly suited	Too arid, droughty, small stones.
1953:		
Pintwater	Poorly suited	Too arid, droughty, small stones.
Terlco	Poorly suited	Too arid, excess salt, excess sodium.
1954:		
Pintwater	Poorly suited	Too arid, droughty, small stones.
Wardenot	Poorly suited	Too arid, droughty, too sandy.
Unsel	Poorly suited	Too arid.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
1955:		
Pintwater	Poorly suited	Too arid, droughty, small stones.
Stumble	Poorly suited	Too arid, droughty, too sandy.
Downeyville	Poorly suited	Too arid, droughty, too sandy.
1970:		
Linoyer	Poorly suited	Too arid, soil blowing.
Rebel	Suited	Too arid, droughty, excess salt.
1990:		
Tognoni	Poorly suited	Too arid, droughty, small stones.
Tognoni	Poorly suited	Too arid, droughty, small stones.
Blacktop	Poorly suited	Too arid, droughty, large stones.
2040:		
Silverbow	Poorly suited	Too arid, droughty, small stones.
2080:		
Maggie	Poorly suited	Too arid, droughty, small stones.
Pintwater	Poorly suited	Too arid, droughty, small stones.
Izo	Poorly suited	Too arid, droughty, too sandy.
2081:		
Maggie	Poorly suited	Too arid, droughty, small stones.
Stewval	Poorly suited	Droughty, small stones, depth to rock.
Pintwater	Poorly suited	Too arid, droughty, small stones.
2100:		
Blappert	Poorly suited	Too arid, droughty, small stones.
2110:		
Luning	Poorly suited	Too arid, droughty, soil blowing.
Hawsley	Poorly suited	Too arid, droughty, too sandy.
Bluewing	Poorly suited	Too arid, droughty, too sandy.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
2111:		
Luning	Poorly suited	Too arid, droughty, soil blowing.
Izo	Poorly suited	Too arid, droughty, small stones.
2120:		
Tert	Poorly suited	Droughty, depth to rock, soil blowing.
Whilphang	Poorly suited	Droughty.
Geer	Poorly suited	Too arid.
2121:		
Tert	Poorly suited	Droughty, depth to rock, soil blowing.
Roic	Poorly suited	Too arid, droughty, depth to rock.
2130:		
Roic	Poorly suited	Too arid, droughty, depth to rock.
Koyen	Poorly suited	Too arid.
2131:		
Roic	Poorly suited	Too arid, droughty, depth to rock.
Vindicator	Poorly suited	Too arid, droughty, depth to rock.
2140:		
Advokay	Poorly suited	Too arid, droughty, depth to rock.
Blacktop	Poorly suited	Too arid, droughty, small stones.
Itme	Poorly suited	Too arid, droughty, too sandy.
2141:		
Advokay	Poorly suited	Too arid, droughty, depth to rock.
Blacktop	Poorly suited	Too arid, droughty, small stones.
2150:		
Gynelle	Poorly suited	Too arid, droughty, small stones.
2170:		
Lathrop	Poorly suited	Too arid, small stones.
Leo	Poorly suited	Too arid, droughty, small stones.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
2180:		
Armoine	Poorly suited	Droughty, small stones.
Beelem	Poorly suited	Droughty, depth to rock.
2181:		
Armoine	Poorly suited	Droughty, small stones.
2220:		
Enko	Poorly suited	Soil blowing.
Orovada	Suited	Too arid, excess salt.
2230:		
Rotinom	Poorly suited	Too arid, soil blowing.
Wholan	Poorly suited	Too arid, excess salt, excess sodium.
Wholan	Poorly suited	Too arid, excess salt, excess sodium.
2240:		
Unius	Poorly suited	Droughty.
Orovada	Suited	Too arid, excess salt, excess sodium.
2241:		
Unius	Poorly suited	Droughty.
Defler	Poorly suited	Too arid, droughty, small stones.
2250:		
Muni	Poorly suited	Droughty, soil blowing.
Orovada	Suited	Too arid, excess salt, excess sodium.
Unius	Poorly suited	Droughty.
2252:		
Muni	Poorly suited	Droughty, soil blowing.
Alley	Poorly suited	Rooting depth.
Rebel	Suited	Too arid, excess salt, excess sodium.
2271:		
Buffaran	Poorly suited	Droughty, rooting depth.
Wieland	Poorly suited	Rooting depth.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
2272:		
Buffaran	Poorly suited	Droughty, rooting depth.
Pineval	Suited	Too arid, droughty.
2290:		
Spasprey	Poorly suited	Soil blowing.
Alley	Suited	Too arid, excess salt.
2291:		
Spasprey	Poorly suited	Soil blowing.
Buffaran	Poorly suited	Droughty, rooting depth.
Orovada	Suited	Too arid, excess salt, excess sodium.
2300:		
Kelk	Poorly suited	Excess salt, soil blowing.
Settlemeyer	Poorly suited	Rooting depth.
2320:		
Rosney	Poorly suited	Too arid, excess salt, excess sodium.
Kelk	Poorly suited	Excess salt.
Kelk	Poorly suited	Excess salt.
2321:		
Rosney	Poorly suited	Too arid, excess salt, excess sodium.
Dunphy	Poorly suited	Too arid, excess salt, excess sodium.
Paranat	Suited	Too arid, excess salt, excess sodium.
2330:		
Cliffdown	Poorly suited	Too arid, droughty, excess salt.
Lyx	Poorly suited	Too arid, droughty.
2340:		
Alley	Poorly suited	Rooting depth, soil blowing.
Portmount	Suited	Too arid.
Rebel	Suited	Too arid, droughty, excess salt.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
2341:		
Alley	Poorly suited	Rooting depth, soil blowing.
Wiffo	Poorly suited	Small stones.
Wrango	Poorly suited	Droughty.
2342:		
Alley	Suited	Too arid, excess salt.
Kelk	Poorly suited	Excess salt.
2343:		
Alley	Poorly suited	Rooting depth, soil blowing.
Pineval	Suited	Too arid, droughty.
Portmount	Suited	Too arid, droughty.
2344:		
Alley	Poorly suited	Rooting depth, soil blowing.
Buffaran	Poorly suited	Droughty, rooting depth.
Spasprey	Suited	Too arid, droughty.
2345:		
Alley	Suited	Too arid, excess salt.
Wieland	Poorly suited	Rooting depth.
Pineval	Suited	Too arid, droughty.
2360:		
Dewar	Poorly suited	Droughty, excess salt.
Alley	Poorly suited	Rooting depth.
2361:		
Dewar	Poorly suited	Droughty.
Shabliss	Poorly suited	Droughty.
Alley	Poorly suited	Rooting depth.

Table 7.--SUITABILITY FOR RANGELAND SEEDING--Continued

Soil name and map symbol	Limitation rating	Restrictive features
2400:		
Zaidy	Suited	Too arid, droughty.
Alley	Poorly suited	Rooting depth.
Portmount	Suited	Too arid, droughty.
2401:		
Zaidy	Suited	Too arid, droughty.
Ricert	Poorly suited	Too arid, excess salt, excess sodium.
Alley	Poorly suited	Rooting depth.
2410:		
Settlemeyer	Suited	Too arid.
2430:		
Rose creek	Poorly suited	Excess sodium.
2431:		
Rose creek	Suited	Too arid, excess salt, excess sodium.
2440:		
Paranat	Poorly suited	Soil blowing.

TABLE 8.--WOODLAND MANAGEMENT AND PRODUCTIVITY

(Only the soils suitable for production of commercial trees are listed)

Map symbol and soil name	Ordination symbol	Management concerns: Erosion hazard	Equipment Limitation	Seedling mortality	Windthrow hazard	Plant competition	Potential productivity: Common trees	Site index	Volume of wood fiber	Suggested trees to plant
									m3/ha	
1050:										
Schwalbe.										
Stewval.										
Bellehelen------	0R	Severe	Severe	Severe	Slight	Moderate	Utah juniper--------	40	---	
							Singleleaf pinyon---	40	---	
1162:										
Jung.										
Clanalpine------	1R	Severe	Severe	Moderate	Slight	Moderate	Singleleaf pinyon---	75	1	Singleleaf pinyon
Colbar.										
1226:										
Stewval.										
Bellehelen------	0R	Severe	Severe	Severe	Slight	Moderate	Utah juniper--------	40	---	
							Singleleaf pinyon---	40	---	
Rock Outcrop.										
1420:										
Squawtip--------	1R	Severe	Severe	Slight	Slight	Moderate	Singleleaf pinyon---	75	1	Singleleaf pinyon
Bellehelen------	0R	Severe	Severe	Severe	Slight	Moderate	Utah juniper--------	40	---	
							Singleleaf pinyon---	40	---	
Rock Outcrop.										
1421:										
Squawtip--------	1R	Severe	Severe	Slight	Slight	Moderate	Singleleaf pinyon---	75	1	Singleleaf pinyon
Gabbvally.										
Rock Outcrop.										
1430:										
Bellehelen------	0R	Severe	Severe	Severe	Slight	Moderate	Utah juniper--------	40	---	
							Singleleaf pinyon---	40	---	
Rock Outcrop.										
1670:										
Logring---------	0R	Severe	Severe	Severe	Slight	Moderate	Utah juniper--------	45	---	
							Singleleaf pinyon---	45	---	
Kyler.										

TABLE 9.--WILDLIFE HABITAT

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1000:												
Stumble---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1001:												
Stumble---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1004:												
Stumble---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Eastgate--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1005:												
Stumble---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Eastgate--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1021:												
Easychair-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Penoyer---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1031:												
Eastgate--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1035:												
Eastgate--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Lyx----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stumble---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1039:												
Eastgate--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Lyx----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1050:												
Schwalbe--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stewval---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Bellehelen------	---	---	Poor	---	Poor	Poor	---	---	---	Poor	---	Poor
1060:												
Celeton---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Celeton---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Badland---------	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor
1061:												
Celeton---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Vigus----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1061 (con.):												
Whirlo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1071:												
Singatse--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Theon----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1076:												
Singatse--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Hawsley---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1090:												
Univega---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Watoopah--------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1092:												
Univega---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1093:												
Univega---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Jevets----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Univega---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1100:												
Gabbvally-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stewval---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1130:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1131:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Geer----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1132:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Hollywell-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Roic----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1133:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Geer----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1134:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1134 (con.):												
Hollywell-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Lyx----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1135:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Watoopah--------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1136:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Eastgate--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stumble---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1137:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1138:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Zadvar----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1141:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Wardenot--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1142:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Annaw----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1145:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Annaw----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1146:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Silverbow-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1147:												
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Hollywell-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Hollywell-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1148:												
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Ricert	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Zaidy	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1150:												
Nuyobe	---	---	Very Poor	---	---	Very Poor	Poor	Fair	---	---	Poor	Very Poor
1162:												
Jung	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Clanalpine	---	---	Fair	---	Fair	Fair	---	---	---	Fair	---	Fair
Colbar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1163:												
Jung	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Hooplite	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1190:												
Penoyer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Geer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1191:												
Penoyer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Sevenmile	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1220:												
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Beelem	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1221:												
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Blacktop	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor
Rock Outcrop.												
1222:												
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Downeyville	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Gabbvally	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1223:												
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1226:												
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Bellehelen	---	---	Poor	---	Poor	Poor	---	---	---	Poor	---	Poor
Rock Outcrop.												
1227:												
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Downeyville	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1229:												
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Advokay	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Itme	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1230:												
Geer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Eastgate	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1231:												
Geer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1233:												
Geer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1242:												
Stargo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Playas	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Good	Very Poor	Very Poor	Fair	Very Poor
1243:												
Stargo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Playas	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Good	Very Poor	Very Poor	Fair	Very Poor
Slaw	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
1252:												
Wardenot	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Yomba	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1262:												
Berzatic	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Kyler	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1262 (con.): Rock Outcrop.												
1263:												
Berzatic	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Downeyville	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Pintwater	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1290:												
Oricto	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Gynelle	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1291:												
Oricto	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Izo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1292:												
Oricto	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Luning	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1293:												
Oricto	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Terlco	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Roic	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1302:												
Ricert	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Celeton	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1303:												
Ricert	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Luning	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1304:												
Ricert	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Ricert	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Cliffdown	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1320:												
Terlco----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Terlco----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
1321:												
Terlco----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Whirlo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1323:												
Terlco----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Annaw----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1326:												
Terlco----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Lyda----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1330:												
Handpah---------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Veet----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1331:												
Handpah---------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Veet----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1332:												
Handpah---------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Chuckridge------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1333:												
Handpah---------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Watoopah--------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Veet----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1334:												
Handpah---------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Lyda----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1351:												
Chill----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Veet----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1360:												
Wabuska	---	---	Poor	---	---	Poor	Fair	Fair	---	---	Fair	Poor
Playas	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Good	Very Poor	Very Poor	Fair	Very Poor
Isolde	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1390:												
Jevets	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stumble	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Univega	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1410:												
Watoopah	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Veet	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1412:												
Watoopah	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Veet	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1420:												
Squawtip	---	---	Good	---	Good	Good	---	---	---	Good	---	Good
Bellehelen	---	---	Poor	---	Poor	Poor	---	---	---	Poor	---	Poor
Rock Outcrop.												
1421:												
Squawtip	---	---	Good	---	Good	Good	---	---	---	Good	---	Good
Gabbvally	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1430:												
Bellehelen	---	---	Poor	---	Poor	Poor	---	---	---	Poor	---	Poor
Rock Outcrop.												
1451:												
Grassval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Zaidy	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Alley	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1452:												
Grassval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Dewar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Alley	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1453:												
Grassval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Defler	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Ricert	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
1454:												
Grassval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Wieland	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1460:												
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Handpah	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1461:												
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Chuckridge	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Watoopah	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1462:												
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Chuckridge	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1463:												
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Veet	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1464:												
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1465:												
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1466:												
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Barnmot	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1470:												
Cirac	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Wardenot	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1470 (con.):												
Slaw	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
1476:												
Cirac	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Kawich	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1477:												
Cirac	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Cirac	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Stumble	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1481:												
Chuckridge	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Veet	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1483:												
Chuckridge	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1492:												
Slaw	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Rustigate	---	---	Fair	---	---	Fair	Poor	Very Poor	---	---	Very Poor	Fair
1493:												
Slaw	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Stargo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Geer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1494:												
Slaw	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Slaw	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Gitakup	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
1495:												
Slaw	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Cirac	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1495 (con.):												
Kawich	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1510:												
Isolde	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Hawsley	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1520:												
Rustigate	---	---	Fair	---	---	Fair	Poor	Very Poor	---	---	Very Poor	Fair
1530:												
Rebel	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1540:												
Packer	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Suak	---	---	Fair	---	---	Fair	---	---	---	---	---	---
Foxvire	---	---	Good	---	---	Good	---	---	---	---	---	Good
1551:												
Sevenmile	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1552:												
Sevenmile	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Mosida	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Rebel	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1553:												
Sevenmile	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1580:												
Kyler	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1620:												
Vinini	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Gabbvally	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1621:												
Vinini	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Beelem	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Gabbvally	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1631:												
Lyx	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Veet	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1648:												
Armespan	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1648 (con.):												
Whilphang-------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Wrango----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1660:												
Minnye----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Annaw----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Wardenot--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1661:												
Minnye----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Cliffdown-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Lyx----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1670:												
Logring---------	---	---	Poor	---	Poor	Poor	---	---	---	Poor	---	Poor
Kyler----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1680:												
Uripnes---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1681:												
Uripnes---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Budihol---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1691:												
Goldyke---------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Blacktop--------	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor
Koyen----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1704:												
Leo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1705:												
Leo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Unsel----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Lyx----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1706:												
Leo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Zadvar----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1741:												
Keefa	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1751:												
Koyen	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1753:												
Koyen	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stumble	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1760:												
Vindicator	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1790:												
Hooplite	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Theon	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Old Camp	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1792:												
Hooplite	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1800:												
Lyda	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1801:												
Lyda	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Leo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Zadvar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1802:												
Lyda	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1805:												
Lyda	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1805 (con.):												
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1820:												
Izo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1830:												
Downeyville	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1833:												
Downeyville	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Blacktop	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor
1834:												
Downeyville	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Blacktop	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor
1835:												
Downeyville	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Goldyke	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Blacktop	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor
1840:												
Veet	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Cliffdown	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1845:												
Veet	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Leo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Minnye	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1851:												
Garhill	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Tognoni	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1860:												
Old Camp	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Colbar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Rock Outcrop.												
1891:												
Blacktop	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1891 (con.):												
Downeyville-----	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1900:												
Playas----------	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Good	Very Poor	Very Poor	Fair	Very Poor
1901:												
Playas----------	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Good	Very Poor	Very Poor	Fair	Very Poor
Slaw----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
1902:												
Slickens--------	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor
1910:												
Yomba----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1911:												
Yomba----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Playas----------	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Very Poor	Good	Very Poor	Very Poor	Fair	Very Poor
Yomba----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1930:												
Stonell---------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Wardenot--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1950:												
Pintwater-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1951:												
Pintwater-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
1953:												
Pintwater-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Terlco----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
1954:												
Pintwater-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Wardenot--------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
1954 (con.):												
Unsel	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1955:												
Pintwater	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stumble	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Downeyville	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
1970:												
Linoyer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rebel	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
1990:												
Tognoni	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Tognoni	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Blacktop	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor
2040:												
Silverbow	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
2080:												
Maggie	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Pintwater	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2081:												
Maggie	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Stewval	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Pintwater	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2100:												
Blappert	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
2110:												
Luning	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Hawsley	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Bluewing	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2111:												
Luning	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Izo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
2120:												
Tert	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Whilphang	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Geer	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2121:												
Tert	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Roic	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2130:												
Roic	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Koyen	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2131:												
Roic	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Vindicator	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Rock Outcrop.												
2140:												
Advokay	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Blacktop	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor
Itme	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2141:												
Advokay	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Blacktop	---	---	Very Poor	---	---	Poor	---	---	---	---	---	Very Poor
2150:												
Gynelle	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2170:												
Lathrop	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Leo	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2180:												
Armoine	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Beelem	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2181:												
Armoine	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Rock Outcrop.												
2220:												
Enko	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Orovada	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
2230:												
Rotinom	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Wholan	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Wholan	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
2240:												
Unius	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Orovada	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2241:												
Unius	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Defler	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2250:												
Muni	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Orovada	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Unius	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2252:												
Muni	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Alley	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Rebel	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2271:												
Buffaran	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Wieland	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2272:												
Buffaran	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Pineval	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2290:												
Spasprey	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Alley	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2291:												
Spasprey	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Buffaran	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Orovada	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2300:												
Kelk	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Settlemeyer	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
2320:												
Rosney----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Kelk----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Kelk----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2321:												
Rosney----------	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Dunphy----------	Poor	Poor	Poor	---	---	Poor	Fair	Fair	Poor	---	Fair	Poor
Paranat---------	---	---	Fair	---	---	Fair	Good	Good	---	---	Good	Fair
2330:												
Cliffdown-------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Lyx----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2340:												
Alley----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Portmount-------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Rebel----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2341:												
Alley----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Wiffo----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Wrango----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2342:												
Alley----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Kelk----------	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
2343:												
Alley----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Pineval---------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Portmount-------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2344:												
Alley----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Buffaran--------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Spasprey--------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2345:												
Alley----------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Wieland---------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Pineval---------	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair

TABLE 9.--WILDLIFE HABITAT--Continued

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
2360:												
Dewar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Alley	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2361:												
Dewar	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Shabliss	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Alley	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2400:												
Zaidy	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Alley	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Portmount	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2401:												
Zaidy	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
Ricert	---	---	Very Poor	---	---	Very Poor	---	---	---	---	---	Very Poor
Alley	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2410:												
Settlemeyer	---	---	Fair	---	---	Fair	Poor	Very Poor	---	---	Very Poor	Fair
2430:												
Rose Creek	---	---	Fair	---	---	Fair	---	---	---	---	---	Fair
2431:												
Rose Creek	---	---	Fair	---	---	Fair	Good	Good	---	---	Good	Fair
2440:												
Paranat	---	---	Fair	---	---	Fair	Good	Good	---	---	Good	Fair

TABLE 10.--RECREATIONAL DEVELOPMENT

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1000:					
Stumble	Moderate: too sandy	Moderate: too sandy	Moderate: slope, small stones, too sandy	Moderate: too sandy	Moderate: droughty
1001:					
Stumble	Moderate: too sandy	Moderate: too sandy	Moderate: slope, small stones, too sandy	Moderate: too sandy	Moderate: droughty
Koyen	Severe: too sandy	Severe: too sandy	Severe: too sandy	Severe: too sandy	Moderate: droughty, too sandy
1004:					
Stumble	Moderate: too sandy	Moderate: too sandy	Moderate: slope, small stones, too sandy	Moderate: too sandy	Moderate: droughty
Eastgate	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1005:					
Stumble	Moderate: too sandy	Moderate: too sandy	Moderate: slope, small stones, too sandy	Moderate: too sandy	Moderate: droughty
Unsel	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Eastgate	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1021:					
Easychair	Severe: flooding	Moderate: dusty	Moderate: slope, dusty	Moderate: dusty	Slight
Penoyer	Severe: flooding	Moderate: dusty	Moderate: dusty	Moderate: dusty	Slight
1031:					
Eastgate	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1035:					
Eastgate	Severe: flooding	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
Lyx	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1035 (con.):					
Stumble---------	Moderate: too sandy	Moderate: too sandy	Moderate: slope, small stones, too sandy	Moderate: too sandy	Moderate: droughty
1039:					
Eastgate--------	Severe: flooding	Slight	Moderate: small stones	Slight	Moderate: droughty
Lyx----------	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
1050:					
Schwalbe--------	Severe: slope	Severe: slope	Severe: large stones, slope, small stones	Severe: slope	Severe: slope
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Bellehelen------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: large stones, slope, depth to rock
1060:					
Celeton---------	Severe: small stones, depth to rock	Severe: small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, droughty, depth to rock
Celeton---------	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, droughty
Badland---------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope	Severe: slope, depth to rock
1061:					
Celeton---------	Severe: small stones, depth to rock	Severe: small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, droughty, depth to rock
Vigus----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Whirlo----------	Moderate: small stones	Moderate: small stones	Severe: slope, small stones	Slight	Moderate: small stones, large stones, droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1071:					
Singatse--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Moderate: slope	Severe: small stones, slope, depth to rock
Theon----------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, slope, depth to rock
Rock Outcrop.					
1076:					
Singatse--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, slope, depth to rock
Hawsley---------	Moderate: slope, too sandy	Moderate: slope, too sandy	Severe: slope	Moderate: too sandy	Moderate: droughty, slope
1090:					
Univega---------	Severe: too sandy, cemented pan	Severe: too sandy, cemented pan	Severe: small stones, too sandy, cemented pan	Severe: too sandy	Severe: cemented pan
Koyen----------	Slight	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
Watoopah--------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1092:					
Univega---------	Severe: too sandy, cemented pan	Severe: too sandy, cemented pan	Severe: small stones, too sandy, cemented pan	Severe: too sandy	Severe: cemented pan
1093:					
Univega---------	Severe: cemented pan	Severe: cemented pan	Severe: slope, small stones, cemented pan	Slight	Severe: cemented pan
Jevets----------	Severe: too sandy	Severe: too sandy	Severe: slope, too sandy	Severe: too sandy	Moderate: droughty, slope, cemented pan
Univega---------	Severe: cemented pan	Severe: cemented pan	Severe: slope, small stones, cemented pan	Slight	Severe: cemented pan
1100:					
Gabbvally-------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope	Severe: small stones, slope, depth to rock

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1100 (con.):					
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
1130:					
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1131:					
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Geer----------	Severe: flooding	Slight	Moderate: slope	Slight	Slight
1132:					
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Hollywell-------	Severe: flooding, small stones	Severe: small stones	Severe: slope, small stones	Severe: small stones	Severe: small stones, droughty
Roic----------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope	Severe: slope, depth to rock
1133:					
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Geer----------	Severe: flooding	Slight	Moderate: slope	Slight	Slight
1134:					
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: slope, small stones	Slight	Moderate: small stones, droughty
Hollywell-------	Severe: flooding	Moderate: small stones	Severe: slope, small stones	Slight	Moderate: small stones, large stones, droughty
Lyx----------	Severe: flooding	Moderate: small stones	Severe: slope, small stones	Slight	Severe: droughty
1135:					
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Watoopah--------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Severe: droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1136:					
Unsel	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Eastgate	Severe: flooding	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
Stumble	Moderate: too sandy	Moderate: too sandy	Moderate: slope, small stones, too sandy	Moderate: too sandy	Moderate: droughty
1137:					
Unsel	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Koyen	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1138:					
Unsel	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Zadvar	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: slope, small stones, cemented pan	Slight	Severe: small stones, cemented pan
1141:					
Unsel	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Wardenot	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
Izo	Severe: flooding, too sandy	Severe: too sandy	Severe: small stones, too sandy	Severe: too sandy	Severe: droughty
1142:					
Unsel	Severe: small stones	Severe: small stones	Severe: small stones	Moderate: large stones	Severe: small stones
Annaw	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
Izo	Severe: flooding, small stones, too sandy	Severe: too sandy, small stones	Severe: slope, small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, droughty
1145:					
Unsel	Severe: slope, small stones	Severe: slope, small stones	Severe: slope, small stones	Moderate: large stones, slope	Severe: small stones, slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1145 (con.):					
Annaw----------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1146:					
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Silverbow-------	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: large stones, slope, small stones	Slight	Severe: small stones, cemented pan
Izo----------	Severe: flooding, small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, droughty
1147:					
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Hollywell-------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, large stones, droughty
Hollywell-------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, large stones, droughty
1148:					
Unsel----------	Severe: slope	Severe: slope	Severe: slope, small stones	Moderate: slope	Severe: slope
Ricert----------	Severe: excess sodium	Severe: excess sodium	Severe: small stones, excess sodium	Slight	Severe: excess sodium
Zaidy----------	Severe: slope, small stones	Severe: slope, small stones	Severe: slope, small stones	Moderate: slope	Severe: small stones, slope
1150:					
Nuyobe----------	Severe: flooding, excess sodium, excess salt	Severe: excess sodium, excess salt	Severe: excess sodium, excess salt	Slight	Severe: excess salt, excess sodium
1162:					
Jung----------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope	Severe: small stones, slope, depth to rock
Clanalpine------	Severe: slope	Severe: slope	Severe: slope, small stones	Severe: slope	Severe: slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1162 (con.):					
Colbar----------	Severe: slope	Severe: slope	Severe: large stones, slope	Severe: slope	Severe: large stones, slope
1163:					
Jung----------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope, dusty	Severe: small stones, slope, depth to rock
Hooplite--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope	Severe: small stones, slope, depth to rock
1190:					
Penoyer---------	Severe: flooding	Moderate: dusty	Moderate: dusty	Moderate: dusty	Slight
Geer----------	Severe: flooding	Slight	Moderate: slope	Slight	Slight
1191:					
Penoyer---------	Severe: flooding	Moderate: dusty	Moderate: dusty	Moderate: dusty	Slight
Sevenmile-------	Severe: flooding	Slight	Moderate: slope, small stones	Slight	Slight
1220:					
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Moderate: slope	Severe: small stones, droughty, slope
Beelem----------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: large stones, slope, depth to rock	Severe: slope	Severe: large stones, slope, depth to rock
1221:					
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Blacktop--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Rock Outcrop.					
1222:					
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1222 (con.):					
Downeyville-----	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock
Gabbvally-------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope	Severe: small stones, slope, depth to rock
1223:					
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Rock Outcrop.					
1226:					
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Bellehelen------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: large stones, slope, depth to rock
Rock Outcrop.					
1227:					
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, droughty, slope
Downeyville-----	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Moderate: large stones, slope	Severe: small stones, large stones, slope
Rock Outcrop.					
1229:					
Stewval---------	Severe: small stones, depth to rock	Severe: small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, droughty, depth to rock
Advokay---------	Severe: depth to rock	Severe: depth to rock	Severe: small stones, depth to rock	Slight	Severe: depth to rock
Itme----------	Severe: flooding	Moderate: too sandy, small stones	Severe: small stones	Moderate: too sandy	Severe: droughty
1230:					
Geer----------	Severe: flooding	Slight	Slight	Slight	Slight

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1230 (con.):					
Eastgate	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1231:					
Geer	Severe: flooding	Slight	Slight	Slight	Slight
1233:					
Geer	Severe: flooding	Slight	Moderate: slope	Slight	Slight
Koyen	Severe: flooding	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
1242:					
Stargo	Severe: flooding	Moderate: dusty	Moderate: small stones, dusty	Moderate: dusty	Moderate: droughty
Playas	Severe: flooding, ponding, percs slowly	Severe: ponding, excess salt, percs slowly	Severe: ponding, percs slowly, excess salt	Severe: ponding	Severe: excess salt, ponding, droughty
1243:					
Stargo	Severe: flooding	Slight	Moderate: small stones, flooding	Slight	Moderate: droughty, flooding
Playas	Severe: flooding, ponding, percs slowly	Severe: ponding, excess salt, percs slowly	Severe: ponding, percs slowly, excess salt	Severe: ponding	Severe: excess salt, ponding, droughty
Slaw	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
1252:					
Wardenot	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Slight	Severe: small stones, droughty
Unsel	Moderate: small stones, dusty	Moderate: small stones, dusty	Severe: small stones	Moderate: dusty	Moderate: small stones, droughty
Yomba	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1262:					
Berzatic	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: large stones, slope, small stones	Severe: small stones, large stones, droughty
Kyler	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope, small stones	Severe: small stones, large stones, slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1262 (con.): Rock Outcrop.					
1263:					
Berzatic	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, slope
Downeyville	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, slope
Pintwater	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock
1290:					
Oricto	Severe: flooding, large stones, small stones	Severe: large stones, small stones	Severe: large stones, small stones	Moderate: large stones	Severe: small stones, large stones, droughty
Gynelle	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
1291:					
Oricto	Severe: slope, small stones	Severe: slope, small stones	Severe: slope, small stones	Moderate: slope	Severe: small stones, droughty, slope
Izo	Severe: flooding, small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, droughty
1292:					
Oricto	Moderate: small stones, excess salt	Moderate: small stones, excess salt	Severe: small stones	Slight	Severe: droughty
Luning	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1293:					
Oricto	Severe: large stones, small stones	Severe: large stones, small stones	Severe: large stones, small stones	Moderate: large stones	Severe: small stones, large stones, droughty
Terlco	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones	Severe: excess sodium, small stones
Roic	Severe: small stones, depth to rock	Severe: small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, depth to rock

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1302:					
Ricert	Severe: excess sodium	Severe: excess sodium	Severe: small stones, excess sodium	Slight	Severe: excess sodium
Celeton	Severe: small stones, depth to rock	Severe: small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, droughty, depth to rock
1303:					
Ricert	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Moderate: dusty	Severe: excess sodium, small stones
Luning	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1304:					
Ricert	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Slight	Severe: excess sodium, small stones
Ricert	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Moderate: dusty	Severe: excess sodium, small stones
Cliffdown	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1320:					
Terlco	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones	Severe: excess sodium, small stones
Terlco	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: small stones	Severe: excess sodium, small stones, large stones
1321:					
Terlco	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones	Severe: excess sodium, small stones
Whirlo	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, large stones, droughty
1323:					
Terlco	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones	Severe: excess sodium, small stones
Annaw	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Slight	Severe: small stones, droughty
Ino	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1326:					
Terlco	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: slope, small stones, excess sodium	Severe: small stones	Severe: excess sodium, small stones
Lyda	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones	Severe: small stones, cemented pan
1330:					
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Veet	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
1331:					
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Veet	Severe: flooding, small stones	Severe: small stones	Severe: large stones, small stones	Slight	Severe: small stones, droughty
Unsel	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1332:					
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Chuckridge	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
1333:					
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Natoopah	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
Veet	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
1334:					
Handpah	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Moderate: large stones	Severe: small stones, large stones, cemented pan
Lyda	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Moderate: large stones	Severe: small stones, large stones, cemented pan

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1351:					
Chill	Severe: depth to rock	Severe: depth to rock	Severe: slope, small stones, depth to rock	Slight	Severe: depth to rock
Veet	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1360:					
Wabuska	Severe: flooding, excess sodium	Severe: excess sodium	Severe: excess sodium	Slight	Severe: excess sodium
Playas	Severe: flooding, ponding, percs slowly	Severe: ponding, excess salt, percs slowly	Severe: ponding, percs slowly, excess salt	Severe: ponding	Severe: excess salt, ponding, droughty
Isolde	Severe: too sandy	Severe: too sandy	Severe: too sandy	Severe: too sandy	Moderate: droughty
1390:					
Jevets	Severe: too sandy	Severe: too sandy	Severe: too sandy	Severe: too sandy	Moderate: droughty, cemented pan
Stumble	Moderate: too sandy	Moderate: too sandy	Moderate: slope, small stones, too sandy	Moderate: too sandy	Moderate: droughty
Univega	Severe: too sandy, cemented pan	Severe: too sandy, cemented pan	Severe: small stones, too sandy, cemented pan	Severe: too sandy	Severe: cemented pan
1410:					
Watoopah	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
Veet	Severe: flooding, small stones	Severe: small stones	Severe: large stones, small stones	Slight	Severe: small stones, droughty
1412:					
Watoopah	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
Veet	Severe: flooding, small stones	Severe: small stones	Severe: large stones, small stones	Slight	Severe: small stones, droughty
Zadvar	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
1420:					
Squawtip	Severe: slope	Severe: slope	Severe: large stones, slope, small stones	Severe: slope	Severe: large stones, slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1420 (con.):					
Bellehelen------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: large stones, slope, depth to rock
Rock Outcrop.					
1421:					
Squawtip--------	Severe: slope	Severe: slope	Severe: large stones, slope, small stones	Severe: slope	Severe: large stones, slope
Gabbvally-------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope	Severe: small stones, slope, depth to rock
Rock Outcrop.					
1430:					
Bellehelen------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: large stones, slope, depth to rock
Rock Outcrop.					
1451:					
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Zaidy-----------	Severe: slope, small stones	Severe: slope, small stones	Severe: slope, small stones	Moderate: slope	Severe: small stones, slope
Alley-----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
1452:					
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Dewar-----------	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Alley-----------	Moderate: slope, small stones	Moderate: slope, small stones	Severe: slope, small stones	Slight	Moderate: small stones, slope
1453:					
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: slope, small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Defler----------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1453 (con.):					
Ricert	Severe: excess sodium	Severe: excess sodium	Severe: small stones, excess sodium	Slight	Severe: excess sodium
1454:					
Grassval	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Wieland	Moderate: small stones, dusty	Moderate: small stones, dusty	Severe: small stones	Moderate: dusty	Moderate: small stones, droughty
1460:					
Zadvar	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Slight	Severe: small stones, cemented pan
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: slope, small stones, cemented pan	Slight	Severe: cemented pan
1461:					
Zadvar	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Chuckridge	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Watoopah	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1462:					
Zadvar	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Chuckridge	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
1463:					
Zadvar	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Slight	Severe: small stones, cemented pan
Veet	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
1464:					
Zadvar	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Stewval	Severe: small stones, depth to rock	Severe: small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, droughty, depth to rock

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1465:					
Zadvar----------	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: slope, small stones, cemented pan	Slight	Severe: small stones, cemented pan
Unsel----------	Severe: small stones	Severe: small stones	Severe: small stones	Moderate: large stones	Severe: small stones
1466:					
Zadvar----------	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Moderate: slope	Severe: small stones, slope, cemented pan
Barnmot---------	Severe: slope	Severe: slope	Severe: slope, small stones	Severe: slope	Severe: slope
Unsel----------	Severe: small stones	Severe: small stones	Severe: small stones	Moderate: large stones	Severe: small stones
1470:					
Cirac----------	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Slight	Severe: excess salt
Wardenot--------	Severe: flooding, excess salt	Severe: excess salt	Severe: small stones, excess salt	Slight	Severe: excess salt, droughty
Slaw----------	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
1476:					
Cirac----------	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Slight	Severe: excess salt
Kawich----------	Severe: too sandy	Severe: too sandy	Severe: slope, too sandy	Severe: too sandy	Moderate: excess salt, droughty
1477:					
Cirac----------	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Slight	Severe: excess salt
Cirac----------	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Slight	Severe: excess salt
Stumble---------	Moderate: too sandy	Moderate: too sandy	Moderate: small stones, too sandy	Moderate: too sandy	Moderate: droughty
1481:					
Chuckridge------	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1481 (con.):					
Unsel	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Veet	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
1483:					
Chuckridge	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
1492:					
Slaw	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
Rustigate	Severe: flooding	Moderate: dusty	Moderate: dusty	Moderate: dusty	Slight
1493:					
Slaw	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
Stargo	Severe: flooding	Moderate: dusty	Moderate: small stones, dusty	Moderate: dusty	Moderate: droughty
Geer	Severe: flooding	Slight	Slight	Slight	Slight
1494:					
Slaw	Severe: flooding	Moderate: excess salt	Moderate: flooding, excess salt	Slight	Moderate: excess salt, flooding
Slaw	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
Gitakup	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Slight	Severe: excess salt
1495:					
Slaw	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
Cirac	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Slight	Severe: excess salt
Kawich	Severe: slope, too sandy	Severe: slope, too sandy	Severe: slope, too sandy	Severe: too sandy	Severe: slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1510:					
Isolde----------	Severe: too sandy	Severe: too sandy	Severe: slope, too sandy	Severe: too sandy	Moderate: droughty, slope
Hawsley---------	Moderate: too sandy	Moderate: too sandy	Moderate: slope, too sandy	Moderate: too sandy	Moderate: droughty
1520:					
Rustigate-------	Severe: flooding	Moderate: dusty	Moderate: dusty	Moderate: dusty	Slight
1530:					
Rebel-----------	Severe: flooding	Slight	Moderate: small stones	Slight	Slight
1540:					
Packer----------	Severe: slope, small stones	Severe: slope, small stones	Severe: slope, small stones	Severe: slope	Severe: small stones, slope
Suak----------	Severe: slope, small stones	Severe: slope, small stones	Severe: large stones, slope, small stones	Moderate: large stones, slope, dusty	Severe: small stones, large stones, droughty
Foxvire---------	Severe: slope	Severe: slope	Severe: slope, small stones	Severe: slope	Severe: slope
1551:					
Sevenmile-------	Severe: flooding	Slight	Moderate: small stones	Slight	Slight
1552:					
Sevenmile-------	Severe: flooding	Moderate: small stones, dusty	Severe: small stones	Moderate: dusty	Moderate: small stones
Mosida----------	Severe: flooding	Moderate: dusty	Moderate: slope, flooding, dusty	Moderate: dusty	Moderate: flooding
Rebel-----------	Severe: flooding	Moderate: dusty	Moderate: slope, dusty	Moderate: dusty	Slight
1553:					
Sevenmile-------	Severe: flooding	Moderate: small stones, dusty	Severe: small stones	Moderate: dusty	Moderate: small stones
1580:					
Kyler-----------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1620:					
Vinini	Severe: cemented pan	Severe: cemented pan	Severe: large stones, slope, cemented pan	Slight	Severe: cemented pan
Stewval	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, droughty, slope
Gabbvally	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: slope, depth to rock
1621:					
Vinini	Severe: cemented pan	Severe: cemented pan	Severe: large stones, slope, cemented pan	Slight	Severe: cemented pan
Beelem	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: large stones, slope, depth to rock	Severe: slope	Severe: large stones, slope, depth to rock
Gabbvally	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: slope, depth to rock
1631:					
Lyx	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
Veet	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
1648:					
Armespan	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones
Whilphang	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, slope, depth to rock
Wrango	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Slight	Severe: small stones, droughty
1660:					
Minnye	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones
Annaw	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Slight	Severe: small stones, droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1660 (con.):					
Wardenot	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Slight	Severe: small stones, droughty
1661:					
Minnye	Severe: large stones, small stones	Severe: large stones, small stones	Severe: large stones, small stones	Moderate: large stones	Severe: small stones, large stones
Cliffdown	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Lyx	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1670:					
Logring	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, slope
Kyler	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: small stones	Severe: small stones, large stones, slope
1680:					
Uripnes	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Severe: slope, small stones	Severe: small stones, slope, depth to rock
Rock Outcrop.					
1681:					
Uripnes	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope, small stones	Severe: small stones, slope, depth to rock
Budihol	Severe: slope, large stones, depth to rock	Severe: slope, large stones, depth to rock	Severe: large stones, slope, small stones	Severe: slope	Severe: slope, depth to rock
Rock Outcrop.					
1691:					
Goldyke	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope	Severe: slope, depth to rock
Blacktop	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Koyen	Slight	Slight	Moderate: slope, small stones	Slight	Moderate: droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1704:					
Leo	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
Izo	Severe: flooding, small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, droughty
1705:					
Leo	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
Unsel	Severe: small stones	Severe: small stones	Severe: small stones	Moderate: large stones	Severe: small stones
Lyx	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
1706:					
Leo	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
Zadvar	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Moderate: slope	Severe: small stones, slope, cemented pan
1741:					
Keefa	Slight	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
Koyen	Slight	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
1751:					
Koyen	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Unsel	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Koyen	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1753:					
Koyen	Slight	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
Stumble	Moderate: too sandy	Moderate: too sandy	Moderate: slope, small stones, too sandy	Moderate: too sandy	Moderate: droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1753 (con.):					
Koyen	Severe: too sandy	Severe: too sandy	Severe: too sandy	Severe: too sandy	Moderate: droughty, too sandy
1760:					
Vindicator	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope	Severe: slope, depth to rock
1790:					
Hooplite	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope	Severe: small stones, slope, depth to rock
Theon	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock
Old Camp	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope	Severe: small stones, slope, depth to rock
1792:					
Hooplite	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope	Severe: small stones, slope, depth to rock
Rock Outcrop.					
1800:					
Lyda	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Moderate: large stones	Severe: small stones, large stones, cemented pan
Zadvar	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Moderate: slope	Severe: small stones, slope, cemented pan
Unsel	Severe: slope, small stones	Severe: slope, small stones	Severe: slope, small stones	Moderate: large stones, slope	Severe: small stones, slope
1801:					
Lyda	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Moderate: large stones	Severe: small stones, large stones, cemented pan
Leo	Severe: flooding, small stones	Severe: small stones	Severe: slope, small stones	Severe: small stones	Severe: small stones, droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1801 (con.):					
Zadvar----------	Severe: slope, cemented pan	Severe: slope, cemented pan	Severe: large stones, slope, small stones	Moderate: slope	Severe: slope, cemented pan
1802:					
Lyda----------	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones	Severe: small stones, cemented pan
Unsel----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Koyen----------	Slight	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
1805:					
Lyda----------	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Severe: large stones, small stones, cemented pan	Moderate: large stones	Severe: small stones, large stones, cemented pan
Unsel----------	Severe: small stones	Severe: small stones	Severe: small stones	Moderate: large stones	Severe: small stones
Unsel----------	Severe: small stones	Severe: small stones	Severe: small stones	Moderate: large stones	Severe: small stones
1820:					
Izo----------	Severe: flooding, small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, droughty
1830:					
Downeyville-----	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, slope
Rock Outcrop.					
1833:					
Downeyville-----	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Blacktop--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1834:					
Downeyville-----	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, slope, depth to rock
Blacktop--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
1835:					
Downeyville-----	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Moderate: large stones, slope	Severe: small stones, large stones, slope
Goldyke---------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope	Severe: slope, depth to rock
Blacktop--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Severe: slope, small stones	Severe: small stones, droughty, slope
1840:					
Veet----------	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
Cliffdown-------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1845:					
Veet----------	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
Leo----------	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
Minnye----------	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones
1851:					
Garhill---------	Severe: slope, depth to rock, cemented pan	Severe: slope, depth to rock, cemented pan	Severe: large stones, slope, small stones	Moderate: slope	Severe: slope, depth to rock
Tognoni---------	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1860:					
Old Camp	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope	Severe: small stones, slope, depth to rock
Colbar	Severe: slope	Severe: slope	Severe: large stones, slope	Severe: slope	Severe: large stones, slope
Rock Outcrop.					
1891:					
Blacktop	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Downeyville	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock
Rock Outcrop.					
1900:					
Playas	Severe: flooding, ponding, percs slowly	Severe: ponding, excess salt, percs slowly	Severe: ponding, percs slowly, excess salt	Severe: ponding	Severe: excess salt, ponding, droughty
1901:					
Playas	Severe: flooding, ponding, percs slowly	Severe: ponding, excess salt, percs slowly	Severe: ponding, percs slowly, excess salt	Severe: ponding	Severe: excess salt, ponding, droughty
Slaw	Severe: flooding, excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
1902:					
Slickens	Severe: excess salt	Severe: excess salt	Severe: excess salt	Slight	Severe: excess salt
1910:					
Yomba	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
1911:					
Yomba	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Playas	Severe: flooding, ponding, percs slowly	Severe: ponding, excess salt, percs slowly	Severe: ponding, percs slowly, excess salt	Severe: ponding	Severe: excess salt, ponding, droughty
Yomba	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1930:					
Stonell---------	Severe: excess salt	Severe: excess salt	Severe: small stones, excess salt	Slight	Severe: excess salt, droughty
Wardenot--------	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Slight	Severe: small stones, droughty
Izo----------	Severe: flooding, small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, droughty
1950:					
Pintwater-------	Severe: small stones, depth to rock	Severe: small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, depth to rock
Izo----------	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
1951:					
Pintwater-------	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, slope
Rock Outcrop.					
1953:					
Pintwater-------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope	Severe: slope, depth to rock
Terlco----------	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones, excess sodium	Severe: small stones	Severe: excess sodium, small stones
1954:					
Pintwater-------	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Moderate: large stones, slope	Severe: small stones, large stones, slope
Wardenot--------	Severe: flooding, small stones	Severe: small stones	Severe: slope, small stones	Slight	Severe: small stones, droughty
Unsel----------	Moderate: small stones, dusty	Moderate: small stones, dusty	Severe: small stones	Moderate: dusty	Moderate: small stones, droughty
1955:					
Pintwater-------	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
1955 (con.):					
Stumble---------	Moderate: slope, too sandy	Moderate: slope, too sandy	Severe: slope	Moderate: too sandy	Moderate: droughty, slope
Downeyville-----	Severe: depth to rock	Severe: depth to rock	Severe: slope, depth to rock	Slight	Severe: depth to rock
1970:					
Linoyer---------	Severe: flooding	Moderate: dusty	Moderate: slope, dusty	Moderate: dusty	Moderate: droughty
Rebel----------	Severe: flooding	Slight	Moderate: slope, small stones	Slight	Slight
1990:					
Tognoni---------	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: large stones, slope, small stones	Severe: small stones, large stones, slope
Tognoni---------	Severe: large stones, small stones, depth to rock	Severe: large stones, small stones, depth to rock	Severe: large stones, slope, small stones	Moderate: large stones	Severe: small stones, large stones, depth to rock
Blacktop--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: large stones, slope, small stones	Severe: slope, small stones	Severe: small stones, droughty, slope
2040:					
Silverbow-------	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Severe: large stones, slope, small stones	Moderate: slope	Severe: small stones, slope, cemented pan
Rock Outcrop.					
2080:					
Maggie----------	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones	Severe: small stones, droughty, cemented pan
Pintwater-------	Severe: slope, large stones, small stones	Severe: slope, large stones, small stones	Severe: large stones, slope, small stones	Severe: slope	Severe: small stones, large stones, slope
Izo----------	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
2081:					
Maggie----------	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Severe: slope, small stones, cemented pan	Severe: small stones	Severe: small stones, droughty, slope

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
2081 (con.):					
Stewval---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, droughty, slope
Pintwater-------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock
2100:					
Blappert--------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock
Rock Outcrop.					
2110:					
Luning----------	Severe: flooding	Slight	Moderate: slope	Slight	Severe: droughty
Hawsley---------	Moderate: too sandy	Moderate: too sandy	Moderate: slope, too sandy	Moderate: too sandy	Moderate: droughty
Bluewing--------	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
2111:					
Luning----------	Severe: flooding	Slight	Moderate: slope	Slight	Severe: droughty
Izo----------	Severe: flooding, small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, too sandy	Severe: too sandy, small stones	Severe: small stones, droughty
2120:					
Tert----------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: erodes easily	Severe: slope, depth to rock
Whilphang-------	Severe: depth to rock	Severe: depth to rock	Severe: slope, depth to rock	Slight	Severe: depth to rock
Geer----------	Severe: flooding	Slight	Moderate: slope	Slight	Slight
2121:					
Tert----------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: erodes easily	Severe: slope, depth to rock
Roic----------	Severe: depth to rock	Severe: depth to rock	Severe: slope, small stones, depth to rock	Slight	Severe: depth to rock

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
2130:					
Roic	Severe: depth to rock	Severe: depth to rock	Severe: slope, small stones, depth to rock	Slight	Severe: depth to rock
Koyen	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
2131:					
Roic	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, slope, depth to rock
Vindicator	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope	Severe: slope, depth to rock
Rock Outcrop.					
2140:					
Advokay	Severe: depth to rock	Severe: depth to rock	Severe: small stones, depth to rock	Slight	Severe: depth to rock
Blacktop	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, droughty, slope
Itme	Severe: flooding	Moderate: too sandy, small stones	Severe: small stones	Moderate: too sandy	Severe: droughty
2141:					
Advokay	Severe: depth to rock	Severe: depth to rock	Severe: slope, small stones, depth to rock	Slight	Severe: depth to rock
Blacktop	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, droughty, slope
2150:					
Gynelle	Severe: flooding, small stones	Severe: small stones	Severe: small stones	Severe: small stones	Severe: small stones, droughty
2170:					
Lathrop	Severe: small stones	Severe: small stones	Severe: large stones, slope, small stones	Moderate: large stones	Severe: small stones, large stones
Leo	Severe: flooding, small stones	Severe: small stones	Severe: slope, small stones	Severe: small stones	Severe: small stones, droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
2180:					
Armoine---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: small stones	Severe: small stones, slope, depth to rock
Beelem----------	Severe: slope, depth to rock	Severe: slope, depth to rock	Severe: slope, small stones, depth to rock	Moderate: slope	Severe: slope, depth to rock
2181:					
Armoine---------	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones, depth to rock	Severe: slope, small stones	Severe: small stones, slope, depth to rock
Rock Outcrop.					
2220:					
Enko----------	Slight	Slight	Moderate: small stones	Slight	Slight
Orovada---------	Slight	Slight	Slight	Slight	Slight
2230:					
Rotinom---------	Severe: flooding	Moderate: dusty	Moderate: flooding, dusty	Moderate: dusty	Moderate: flooding
Wholan----------	Severe: flooding	Moderate: dusty	Moderate: flooding, dusty	Moderate: dusty	Moderate: flooding
Wholan----------	Severe: flooding	Moderate: dusty	Moderate: flooding, dusty	Moderate: dusty	Moderate: flooding
2240:					
Unius----------	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Orovada---------	Severe: flooding	Slight	Moderate: slope	Slight	Slight
2241:					
Unius----------	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Defler----------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
2250:					
Muni----------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Severe: cemented pan
Orovada---------	Severe: flooding	Slight	Moderate: slope	Slight	Slight

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
2250 (con.):					
Unius	Severe: cemented pan	Severe: cemented pan	Severe: slope, small stones, cemented pan	Moderate: dusty	Severe: cemented pan
2252:					
Muni	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Slight	Severe: cemented pan
Alley	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
Rebel	Severe: flooding	Moderate: dusty	Moderate: slope, dusty	Moderate: dusty	Slight
2271:					
Buffaran	Severe: cemented pan	Severe: cemented pan	Severe: large stones, cemented pan	Moderate: large stones, dusty	Severe: cemented pan
Wieland	Moderate: slope, small stones, dusty	Moderate: slope, small stones, dusty	Severe: slope, small stones	Moderate: dusty	Moderate: small stones, droughty, slope
2272:					
Buffaran	Severe: cemented pan	Severe: cemented pan	Severe: slope, small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Pineval	Severe: slope	Severe: slope	Severe: slope, small stones	Moderate: slope, dusty	Severe: slope
2290:					
Spasprey	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, cemented pan
Alley	Moderate: small stones, dusty	Moderate: small stones, dusty	Severe: small stones	Moderate: dusty	Moderate: small stones
2291:					
Spasprey	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, cemented pan
Buffaran	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones, cemented pan	Severe: small stones	Severe: small stones, cemented pan
Orovada	Severe: flooding	Slight	Moderate: slope	Slight	Slight
2300:					
Kelk	Severe: flooding	Moderate: dusty	Moderate: dusty	Moderate: dusty	Slight

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
2300 (con.):					
Settlemeyer-----	Severe: flooding	Moderate: percs slowly	Moderate: small stones, percs slowly	Slight	Slight
2320:					
Rosney----------	Severe: excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
Kelk----------	Severe: flooding	Moderate: dusty	Moderate: slope, dusty	Moderate: dusty	Slight
Kelk----------	Moderate: dusty	Moderate: dusty	Moderate: slope, dusty	Moderate: dusty	Slight
2321:					
Rosney----------	Severe: excess salt	Severe: excess salt	Severe: excess salt	Moderate: dusty	Severe: excess salt
Dunphy----------	Severe: flooding, excess sodium, excess salt	Severe: excess sodium, excess salt	Severe: excess sodium, excess salt	Slight	Severe: excess salt, excess sodium
Paranat---------	Severe: flooding	Moderate: wetness, percs slowly	Moderate: wetness, flooding, percs slowly	Moderate: wetness	Moderate: wetness, flooding
2330:					
Cliffdown-------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
Lyx----------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty
2340:					
Alley----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
Portmount-------	Slight	Slight	Moderate: slope, small stones	Slight	Moderate: droughty
Rebel----------	Severe: flooding	Slight	Moderate: slope	Slight	Slight
2341:					
Alley----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
Wiffo----------	Severe: small stones	Severe: small stones	Severe: small stones	Moderate: dusty	Severe: small stones, droughty
Wrango----------	Severe: flooding	Moderate: small stones	Severe: small stones	Slight	Severe: droughty

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
2342:					
Alley	Moderate: small stones, dusty	Moderate: small stones, dusty	Severe: small stones	Moderate: dusty	Moderate: small stones
Kelk	Severe: flooding	Moderate: dusty	Moderate: dusty	Moderate: dusty	Slight
2343:					
Alley	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
Pineval	Moderate: slope, small stones, dusty	Moderate: slope, small stones, dusty	Severe: slope, small stones	Moderate: dusty	Moderate: small stones, droughty, slope
Portmount	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
2344:					
Alley	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
Buffaran	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Spasprey	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, cemented pan
2345:					
Alley	Moderate: slope, small stones, dusty	Moderate: slope, small stones, dusty	Severe: slope, small stones	Moderate: dusty	Moderate: small stones, slope
Wieland	Severe: slope	Severe: slope	Severe: slope, small stones	Moderate: slope, dusty	Severe: slope
Pineval	Moderate: slope, small stones, dusty	Moderate: slope, small stones, dusty	Severe: slope, small stones	Moderate: dusty	Moderate: small stones, droughty, slope
2360:					
Dewar	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Alley	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
2361:					
Dewar	Severe: cemented pan	Severe: cemented pan	Severe: large stones, cemented pan	Moderate: large stones, dusty	Severe: large stones, cemented pan

TABLE 10.--RECREATIONAL DEVELOPMENT--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
2361 (con.):					
Shabliss--------	Severe: cemented pan	Severe: cemented pan	Severe: slope, small stones, cemented pan	Moderate: dusty	Severe: cemented pan
Alley----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
2400:					
Zaidy----------	Severe: small stones	Severe: small stones	Severe: small stones	Slight	Severe: small stones
Alley----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
Portmount-------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones, droughty
2401:					
Zaidy----------	Severe: small stones	Severe: small stones	Severe: small stones	Slight	Severe: small stones
Ricert----------	Severe: excess sodium	Severe: excess sodium	Severe: small stones, excess sodium	Slight	Severe: excess sodium
Alley----------	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight	Moderate: small stones
2410:					
Settlemeyer-----	Severe: flooding	Moderate: wetness, percs slowly	Moderate: slope, wetness, percs slowly	Slight	Slight
2430:					
Rose Creek------	Severe: flooding	Slight	Moderate: small stones	Slight	Slight
2431:					
Rose Creek------	Severe: flooding	Moderate: flooding, wetness	Severe: flooding	Moderate: wetness, flooding	Severe: flooding
2440:					
Paranat---------	Severe: flooding	Moderate: wetness, percs slowly	Moderate: wetness, flooding, percs slowly	Moderate: wetness	Moderate: wetness, flooding

TABLE 11.--BUILDING SITE DEVELOPMENT

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1000:						
Stumble---------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty
1001:						
Stumble---------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty
Koyen----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty, too sandy
1004:						
Stumble---------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty
Eastgate--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1005:						
Stumble---------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Eastgate--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1021:						
Easychair-------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: shrink-swell, low strength, flooding	Slight
Penoyer---------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
1031:						
Eastgate--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: small stones, droughty
1035:						
Eastgate--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: droughty
Lyx----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
Stumble---------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1039:						
Eastgate--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: droughty
Lyx----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: small stones, droughty
1050:						
Schwalbe--------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Bellehelen------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: large stones, slope, depth to rock
1060:						
Celeton---------	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope	Severe: small stones, droughty, depth to rock
Celeton---------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: small stones, large stones, droughty
Badland---------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
1061:						
Celeton---------	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope	Severe: small stones, droughty, depth to rock
Vigus----------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: small stones, droughty
Whirlo----------	Slight	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, large stones, droughty
1071:						
Singatse--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1071 (con.):						
Theon----------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Rock Outcrop.						
1076:						
Singatse--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Hawsley---------	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope	Moderate: droughty, slope
1090:						
Univega---------	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Koyen----------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
Watoopah--------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Moderate: frost action	Severe: droughty
1092:						
Univega---------	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
1093:						
Univega---------	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: slope, cemented pan	Severe: cemented pan	Severe: cemented pan
Jevets----------	Severe: cemented pan, cutbanks cave	Moderate: slope, cemented pan	Severe: cemented pan	Severe: slope	Moderate: cemented pan, slope	Moderate: droughty, slope, cemented pan
Univega---------	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: slope, cemented pan	Severe: cemented pan	Severe: cemented pan
1100:						
Gabbvally-------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1130:						
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
1131:						
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Geer	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Slight
1132:						
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Hollywell	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding, slope	Moderate: slope, flooding	Severe: small stones, droughty
Roic	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
1133:						
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Geer	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Slight
1134:						
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Hollywell	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: small stones, large stones, droughty
Lyx	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1135:						
Unsel	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: small stones, droughty
Watoopah	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Moderate: frost action	Severe: droughty
1136:						
Unsel	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: small stones, droughty
Eastgate	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: droughty

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1136 (con.):						
Stumble---------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
1137:						
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Koyen----------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: small stones, droughty
1138:						
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Zadvar----------	Severe: cemented pan, cutbanks cave	Moderate: slope, cemented pan	Severe: cemented pan	Severe: slope	Moderate: cemented pan, slope, frost action	Severe: small stones, cemented pan
1141:						
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Wardenot--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: droughty
Izo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: droughty
1142:						
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Severe: small stones
Annaw----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
Izo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding, slope	Severe: flooding	Severe: small stones, droughty
1145:						
Unsel----------	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: small stones, slope
Annaw----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1146:						
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Silverbow-------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: slope, cemented pan	Severe: cemented pan	Severe: small stones, cemented pan

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1146 (con.):						
Izo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
1147:						
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Hollywell	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: small stones, large stones, droughty
Hollywell	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: small stones, large stones, droughty
1148:						
Unsel	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
Ricert	Severe: cutbanks cave	Moderate: shrink-swell	Slight	Moderate: shrink-swell, slope	Moderate: shrink-swell, low strength	Severe: excess sodium
Zaidy	Severe: cemented pan, slope	Severe: slope	Severe: cemented pan, slope	Severe: slope	Severe: slope	Severe: small stones, slope
1150:						
Nuyobe	Severe: wetness	Severe: flooding	Severe: flooding, wetness	Severe: flooding	Severe: low strength, frost action	Severe: excess salt, excess sodium
1162:						
Jung	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Clanalpine	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
Colbar	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: large stones, slope
1163:						
Jung	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Hooplite	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1190:						
Penoyer---------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
Geer----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Slight
1191:						
Penoyer---------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
Sevenmile-------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
1220:						
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Beelem----------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: large stones, slope, depth to rock
1221:						
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Blacktop--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Rock Outcrop.						
1222:						
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Downeyville-----	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Gabbvally-------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
1223:						
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1223 (con.):						
Rock Outcrop.						
1226:						
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Bellehelen------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: large stones, slope, depth to rock
Rock Outcrop.						
1227:						
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Downeyville-----	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope
Rock Outcrop.						
1229:						
Stewval---------	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: slope, depth to rock	Severe: depth to rock	Severe: small stones, droughty, depth to rock
Advokay---------	Severe: depth to rock	Moderate: depth to rock	Severe: depth to rock	Moderate: slope, depth to rock	Moderate: depth to rock	Severe: depth to rock
Itme----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1230:						
Geer----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Slight
Eastgate--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1231:						
Geer----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Slight
1233:						
Geer----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Slight
Koyen----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: droughty

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1242:						
Stargo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: droughty
Playas----------	Severe: ponding	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: shrink-swell, low strength, ponding	Severe: excess salt, ponding, droughty
1243:						
Stargo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: droughty, flooding
Playas----------	Severe: ponding	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: shrink-swell, low strength, ponding	Severe: excess salt, ponding, droughty
Slaw----------	Moderate: too clayey, flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength, flooding	Severe: excess salt
1252:						
Wardenot--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: small stones, droughty
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Yomba----------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: small stones, droughty
1262:						
Berzatic--------	Severe: depth to rock, large stones, slope	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: small stones, large stones, droughty
Kyler----------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope
Rock Outcrop.						
1263:						
Berzatic--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope
Downeyville-----	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1263 (con.):						
Pintwater-------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
1290:						
Oricto----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: small stones, large stones, droughty
Gynelle---------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: small stones, droughty
1291:						
Oricto----------	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: small stones, droughty, slope
Izo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
1292:						
Oricto----------	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: droughty
Luning----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1293:						
Oricto----------	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: small stones, large stones, droughty
Terlco----------	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: excess sodium, small stones
Roic----------	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope	Severe: small stones, depth to rock
1302:						
Ricert----------	Severe: cutbanks cave	Moderate: shrink-swell	Slight	Moderate: shrink-swell, slope	Moderate: shrink-swell, low strength	Severe: excess sodium
Celeton---------	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope	Severe: small stones, droughty, depth to rock
1303:						
Ricert----------	Severe: cutbanks cave	Moderate: shrink-swell	Slight	Moderate: shrink-swell, slope	Moderate: shrink-swell, low strength	Severe: excess sodium, small stones

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1303 (con.):						
Luning----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1304:						
Ricert----------	Severe: cutbanks cave	Moderate: shrink-swell	Slight	Moderate: shrink-swell, slope	Moderate: shrink-swell, low strength	Severe: excess sodium, small stones
Ricert----------	Severe: cutbanks cave	Moderate: shrink-swell	Slight	Moderate: shrink-swell, slope	Moderate: shrink-swell, low strength	Severe: excess sodium, small stones
Cliffdown-------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: small stones, droughty
1320:						
Terlco----------	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: excess sodium, small stones
Terlco----------	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: excess sodium, small stones, large stones
1321:						
Terlco----------	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: excess sodium, small stones
Whirlo----------	Slight	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, large stones, droughty
1323:						
Terlco----------	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: excess sodium, small stones
Annaw----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: small stones, droughty
Izo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
1326:						
Terlco----------	Severe: cutbanks cave	Moderate: slope, large stones	Moderate: slope, large stones	Severe: slope	Moderate: slope, large stones	Severe: excess sodium, small stones
Lyda----------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan
1330:						
Handpah---------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1330 (con.):						
Veet	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
1331:						
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Veet	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
1332:						
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Chuckridge	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
1333:						
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Watoopah	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Moderate: frost action	Severe: droughty
Veet	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
1334:						
Handpah	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: small stones, large stones, cemented pan
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: small stones, large stones, cemented pan
1351:						
Chill	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope, frost action	Severe: depth to rock
Veet	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: droughty
1360:						
Wabuska	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: frost action	Severe: excess sodium

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1360 (con.):						
Playas	Severe: ponding	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: shrink-swell, low strength, ponding	Severe: excess salt, ponding, droughty
Isolde	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty
1390:						
Jevets	Severe: cemented pan, cutbanks cave	Moderate: cemented pan	Severe: cemented pan	Moderate: slope, cemented pan	Moderate: cemented pan	Moderate: droughty, cemented pan
Stumble	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
Univega	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
1410:						
Watoopah	Severe: cutbanks cave	Slight	Slight	Slight	Moderate: frost action	Severe: droughty
Veet	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
1412:						
Watoopah	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Moderate: frost action	Severe: droughty
Veet	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
Zadvar	Severe: cemented pan, cutbanks cave	Moderate: cemented pan	Severe: cemented pan	Moderate: slope, cemented pan	Moderate: cemented pan, frost action	Severe: cemented pan
1420:						
Squawtip	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: large stones, slope
Bellehelen	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: large stones, slope, depth to rock
Rock Outcrop.						
1421:						
Squawtip	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: large stones, slope
Gabbvally	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1421 (con.):						
Rock Outcrop.						
1430:						
Bellehelen------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: large stones, slope, depth to rock
Rock Outcrop.						
1451:						
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Zaidy----------	Severe: cemented pan, slope	Severe: slope	Severe: cemented pan, slope	Severe: slope	Severe: slope	Severe: small stones, slope
Alley----------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
1452:						
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Dewar----------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Alley----------	Moderate: slope	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope, frost action	Moderate: small stones, slope
1453:						
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: slope, cemented pan	Severe: cemented pan	Severe: cemented pan
Defler----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: droughty
Ricert----------	Severe: cutbanks cave	Moderate: shrink-swell	Slight	Moderate: shrink-swell, slope	Moderate: shrink-swell, low strength	Severe: excess sodium
1454:						
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Wieland---------	Moderate: too clayey	Severe: shrink-swell	Slight	Severe: shrink-swell	Severe: shrink-swell, low strength	Moderate: small stones, droughty
1460:						
Zadvar----------	Severe: cemented pan, cutbanks cave	Moderate: cemented pan	Severe: cemented pan	Moderate: slope, cemented pan	Moderate: cemented pan, frost action	Severe: small stones, cemented pan
Handpah---------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1461:						
Zadvar----------	Severe: cemented pan, cutbanks cave	Moderate: cemented pan	Severe: cemented pan	Moderate: slope, cemented pan	Moderate: cemented pan, frost action	Severe: cemented pan
Chuckridge------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Watoopah--------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Moderate: frost action	Severe: droughty
1462:						
Zadvar----------	Severe: cemented pan, cutbanks cave	Moderate: cemented pan	Severe: cemented pan	Moderate: slope, cemented pan	Moderate: cemented pan, frost action	Severe: cemented pan
Chuckridge------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
1463:						
Zadvar----------	Severe: cemented pan, cutbanks cave	Moderate: cemented pan	Severe: cemented pan	Moderate: slope, cemented pan	Moderate: cemented pan, frost action	Severe: small stones, cemented pan
Veet----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
1464:						
Zadvar----------	Severe: cemented pan, cutbanks cave	Moderate: cemented pan	Severe: cemented pan	Moderate: slope, cemented pan	Moderate: cemented pan, frost action	Severe: cemented pan
Stewval---------	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: slope, depth to rock	Severe: depth to rock	Severe: small stones, droughty, depth to rock
1465:						
Zadvar----------	Severe: cemented pan, cutbanks cave	Moderate: slope, cemented pan	Severe: cemented pan	Severe: slope	Moderate: cemented pan, slope, frost action	Severe: small stones, cemented pan
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Severe: small stones
1466:						
Zadvar----------	Severe: cemented pan, cutbanks cave, slope	Severe: slope	Severe: cemented pan, slope	Severe: slope	Severe: slope	Severe: small stones, slope, cemented pan
Barnmot---------	Severe: slope	Severe: shrink-swell, slope	Severe: slope, shrink-swell	Severe: shrink-swell, slope	Severe: shrink-swell, low strength, slope	Severe: slope
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Severe: small stones

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1470:						
Cirac----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: excess salt
Wardenot--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: excess salt, droughty
Slaw----------	Moderate: too clayey, flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength, flooding	Severe: excess salt
1476:						
Cirac----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: excess salt
Kawich----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: excess salt, droughty
1477:						
Cirac----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: excess salt
Cirac----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: excess salt
Stumble---------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
1481:						
Chuckridge------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Veet----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
1483:						
Chuckridge------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
1492:						
Slaw----------	Moderate: too clayey, flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength, flooding	Severe: excess salt
Rustigate-------	Moderate: wetness	Severe: flooding	Severe: flooding	Severe: flooding	Severe: frost action	Slight
1493:						
Slaw----------	Moderate: too clayey, flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength, flooding	Severe: excess salt
Stargo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: droughty

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1493 (con.):						
Geer----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Slight
1494:						
Slaw----------	Moderate: too clayey, flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength, flooding	Moderate: excess salt, flooding
Slaw----------	Moderate: too clayey, flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength, flooding	Severe: excess salt
Gitakup---------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength	Severe: excess salt
1495:						
Slaw----------	Moderate: too clayey, flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength, flooding	Severe: excess salt
Cirac----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: excess salt
Kawich----------	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
1510:						
Isolde----------	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope	Moderate: droughty, slope
Hawsley---------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
1520:						
Rustigate-------	Moderate: wetness	Severe: flooding	Severe: flooding	Severe: flooding	Severe: frost action	Slight
1530:						
Rebel----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
1540:						
Packer----------	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: small stones, slope
Suak----------	Severe: depth to rock, large stones, slope	Severe: slope, large stones	Severe: depth to rock, slope, large stones	Severe: slope, large stones	Severe: slope, large stones	Severe: small stones, large stones, droughty
Foxvire---------	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
1551:						
Sevenmile-------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1552:						
Sevenmile-------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Moderate: small stones
Mosida----------	Moderate: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding
Rebel----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
1553:						
Sevenmile-------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Moderate: small stones
1580:						
Kyler----------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
1620:						
Vinini----------	Severe: depth to rock, cemented pan	Severe: cemented pan	Severe: depth to rock, cemented pan	Severe: slope, cemented pan	Severe: cemented pan	Severe: cemented pan
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Gabbvally-------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock
1621:						
Vinini----------	Severe: depth to rock, cemented pan	Severe: cemented pan	Severe: depth to rock, cemented pan	Severe: slope, cemented pan	Severe: cemented pan	Severe: cemented pan
Beelem----------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: large stones, slope, depth to rock
Gabbvally-------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock
1631:						
Lyx----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
Veet----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
1648:						
Armespan--------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Moderate: frost action	Severe: small stones

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1648 (con.):						
Whilphang-------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: small stones, slope, depth to rock
Wrango----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: small stones, droughty
1660:						
Minnye----------	Moderate: large stones	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: small stones
Annaw----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: small stones, droughty
Wardenot--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: small stones, droughty
1661:						
Minnye----------	Moderate: large stones	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: small stones, large stones
Cliffdown-------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: small stones, droughty
Lyx----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1670:						
Logring---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope
Kyler----------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope
1680:						
Uripnes---------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: small stones, slope, depth to rock
Rock Outcrop.						
1681:						
Uripnes---------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: small stones, slope, depth to rock

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1681 (con.):						
Budihol	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
Rock Outcrop.						
1691:						
Goldyke	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
Blacktop	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Koyen	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty
1704:						
Leo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
Izo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
1705:						
Leo	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Severe: droughty
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Severe: small stones
Lyx	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
1706:						
Leo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: small stones, droughty
Zadvar	Severe: cemented pan, cutbanks cave, slope	Severe: slope	Severe: cemented pan, slope	Severe: slope	Severe: slope	Severe: small stones, slope, cemented pan
1741:						
Keefa	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
Koyen	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
1751:						
Koyen	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1751 (con.):						
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Koyen----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
1753:						
Koyen----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty
Stumble---------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
Koyen----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty, too sandy
1760:						
Vindicator------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
1790:						
Hooplite--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Theon----------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Old Camp--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
1792:						
Hooplite--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Rock Outcrop.						
1800:						
Lyda----------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: small stones, large stones, cemented pan
Zadvar----------	Severe: cemented pan, cutbanks cave, slope	Severe: slope	Severe: cemented pan, slope	Severe: slope	Severe: slope	Severe: small stones, slope, cemented pan

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1800 (con.):						
Unsel	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: small stones, slope
1801:						
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: small stones, large stones, cemented pan
Leo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding, slope	Moderate: slope, flooding	Severe: small stones, droughty
Zadvar	Severe: cemented pan, cutbanks cave, slope	Severe: slope	Severe: cemented pan, slope	Severe: slope	Severe: slope	Severe: slope, cemented pan
1802:						
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: small stones, cemented pan
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
Koyen	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: droughty
1805:						
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: small stones, large stones, cemented pan
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Severe: small stones
Unsel	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Severe: small stones
1820:						
Izo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
1830:						
Downeyville	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope
Rock Outcrop.						
1833:						
Downeyville	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1833 (con.):						
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Blacktop--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
1834:						
Downeyville-----	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
1835:						
Downeyville-----	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope
Goldyke---------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
1840:						
Veet----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
Cliffdown-------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: small stones, droughty
1845:						
Veet----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Severe: small stones, droughty
Leo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: small stones, droughty
Minnye----------	Moderate: large stones	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: small stones

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1851:						
Garhill---------	Severe: depth to rock, cemented pan, slope	Severe: slope, depth to rock, cemented pan	Severe: depth to rock, cemented pan, slope	Severe: slope, depth to rock, cemented pan	Severe: depth to rock, cemented pan, slope	Severe: slope, depth to rock
Tognoni---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, large stones, slope
1860:						
Old Camp--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Colbar----------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: large stones, slope
Rock Outcrop.						
1891:						
Blacktop--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Downeyville-----	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
Rock Outcrop.						
1900:						
Playas----------	Severe: ponding	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: shrink-swell, low strength, ponding	Severe: excess salt, ponding, droughty
1901:						
Playas----------	Severe: ponding	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: shrink-swell, low strength, ponding	Severe: excess salt, ponding, droughty
Slaw----------	Moderate: too clayey, flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength, flooding	Severe: excess salt
1902:						
Slickens--------	Moderate: cutbanks cave	Slight	Slight	Slight	Slight	Severe: excess salt
1910:						
Yomba----------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: small stones, droughty

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1911:						
Yomba	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: small stones, droughty
Playas	Severe: ponding	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: flooding, ponding, shrink-swell	Severe: shrink-swell, low strength, ponding	Severe: excess salt, ponding, droughty
Yomba	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: small stones, droughty
1930:						
Stonell	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Severe: excess salt, droughty
Wardenot	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: small stones, droughty
Izo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
1950:						
Pintwater	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: slope, depth to rock	Severe: depth to rock	Severe: small stones, depth to rock
Izo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
1951:						
Pintwater	Severe: depth to rock, large stones, slope	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: small stones, large stones, slope
Rock Outcrop.						
1953:						
Pintwater	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock
Terlco	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: large stones	Severe: excess sodium, small stones
1954:						
Pintwater	Severe: depth to rock, large stones, slope	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: small stones, large stones, slope
Wardenot	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: small stones, droughty

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
1954 (con.):						
Unsel----------	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
1955:						
Pintwater-------	Severe: depth to rock, large stones, slope	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: small stones, large stones, slope
Stumble---------	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope	Moderate: droughty, slope
Downeyville-----	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: slope, depth to rock	Severe: depth to rock	Severe: depth to rock
1970:						
Linoyer---------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Moderate: droughty
Rebel----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
1990:						
Tognoni---------	Severe: depth to rock, large stones, slope	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: small stones, large stones, slope
Tognoni---------	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: slope, depth to rock	Severe: depth to rock	Severe: small stones, large stones, depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
2040:						
Silverbow-------	Severe: cemented pan, slope	Severe: slope, cemented pan	Severe: cemented pan, slope	Severe: slope, cemented pan	Severe: cemented pan, slope	Severe: small stones, slope, cemented pan
Rock Outcrop.						
2080:						
Maggie----------	Severe: depth to rock, cemented pan	Severe: cemented pan	Severe: depth to rock, cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: small stones, droughty, cemented pan
Pintwater-------	Severe: depth to rock, large stones, slope	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: slope, depth to rock, large stones	Severe: depth to rock, slope, large stones	Severe: small stones, large stones, slope

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
2080 (con.):						
Izo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
2081:						
Maggie----------	Severe: depth to rock, cemented pan, slope	Severe: slope, cemented pan	Severe: depth to rock, cemented pan, slope	Severe: slope, cemented pan	Severe: cemented pan, slope	Severe: small stones, droughty, slope
Stewval---------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Pintwater-------	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, slope, depth to rock
2100:						
Blappert--------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: small stones, slope, depth to rock
Rock Outcrop.						
2110:						
Luning----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
Hawsley---------	Severe: cutbanks cave	Slight	Slight	Slight	Slight	Moderate: droughty
Bluewing--------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
2111:						
Luning----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
Izo----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: small stones, droughty
2120:						
Tert----------	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
Whilphang-------	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope, frost action	Severe: depth to rock
Geer----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Slight

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
2121:						
Tert	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
Roic	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope	Severe: depth to rock
2130:						
Roic	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope	Severe: depth to rock
Koyen	Severe: cutbanks cave	Slight	Slight	Moderate: slope	Slight	Moderate: small stones, droughty
2131:						
Roic	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: small stones, slope, depth to rock
Vindicator	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: slope, depth to rock
Rock Outcrop.						
2140:						
Advokay	Severe: depth to rock	Moderate: depth to rock	Severe: depth to rock	Moderate: slope, depth to rock	Moderate: depth to rock	Severe: depth to rock
Blacktop	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
Itme	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
2141:						
Advokay	Severe: depth to rock	Moderate: slope, depth to rock	Severe: depth to rock	Severe: slope	Moderate: depth to rock, slope	Severe: depth to rock
Blacktop	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: small stones, droughty, slope
2150:						
Gynelle	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: small stones, droughty
2170:						
Lathrop	Severe: cutbanks cave, large stones	Severe: large stones	Severe: large stones	Severe: slope, large stones	Severe: large stones	Severe: small stones, large stones

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
2170 (con.):						
Leo	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding, slope	Moderate: slope, flooding	Severe: small stones, droughty
2180:						
Armoine	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: small stones, slope, depth to rock
Beelem	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock	Severe: depth to rock, slope	Severe: slope, depth to rock
2181:						
Armoine	Severe: depth to rock, slope	Severe: slope	Severe: depth to rock, slope	Severe: slope	Severe: slope	Severe: small stones, slope, depth to rock
Rock Outcrop.						
2220:						
Enko	Slight	Slight	Slight	Slight	Moderate: frost action	Slight
Orovada	Slight	Slight	Slight	Slight	Moderate: frost action	Slight
2230:						
Rotinom	Moderate: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding
Wholan	Moderate: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding
Wholan	Moderate: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding
2240:						
Unius	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Orovada	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
2241:						
Unius	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Defler	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
2250:						
Muni	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
2250 (con.):						
Orovada---------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
Unius----------	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: slope, cemented pan	Severe: cemented pan	Severe: cemented pan
2252:						
Muni----------	Severe: cemented pan, cutbanks cave	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Alley----------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
Rebel----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
2271:						
Buffaran--------	Severe: cemented pan	Severe: shrink-swell, cemented pan	Severe: cemented pan, shrink-swell	Severe: shrink-swell, cemented pan	Severe: cemented pan, shrink-swell, low strength	Severe: cemented pan
Wieland---------	Moderate: too clayey, slope	Severe: shrink-swell	Moderate: slope	Severe: shrink-swell, slope	Severe: shrink-swell, low strength	Moderate: small stones, droughty, slope
2272:						
Buffaran--------	Severe: cemented pan	Severe: shrink-swell, cemented pan	Severe: cemented pan, shrink-swell	Severe: shrink-swell, slope, cemented pan	Severe: cemented pan, shrink-swell, low strength	Severe: cemented pan
Pineval---------	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
2290:						
Spasprey--------	Severe: cutbanks cave	Moderate: shrink-swell	Moderate: cemented pan	Moderate: shrink-swell	Moderate: shrink-swell, low strength, frost action	Moderate: small stones, cemented pan
Alley----------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
2291:						
Spasprey--------	Severe: cutbanks cave	Moderate: shrink-swell	Moderate: cemented pan	Moderate: shrink-swell	Moderate: shrink-swell, low strength, frost action	Moderate: small stones, cemented pan
Buffaran--------	Severe: cemented pan	Severe: shrink-swell, cemented pan	Severe: cemented pan, shrink-swell	Severe: shrink-swell, cemented pan	Severe: cemented pan, shrink-swell, low strength	Severe: small stones, cemented pan

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
2291 (con.):						
Orovada---------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
2300:						
Kelk----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength	Slight
Settlemeyer-----	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
2320:						
Rosney----------	Moderate: too clayey	Moderate: shrink-swell	Moderate: shrink-swell	Moderate: shrink-swell	Severe: low strength	Severe: excess salt
Kelk----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength	Slight
Kelk----------	Slight	Moderate: shrink-swell	Moderate: shrink-swell	Moderate: shrink-swell	Severe: low strength	Slight
2321:						
Rosney----------	Moderate: too clayey	Moderate: shrink-swell	Moderate: shrink-swell	Moderate: shrink-swell	Severe: low strength	Severe: excess salt
Dunphy----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: frost action	Severe: excess salt, excess sodium
Paranat---------	Severe: wetness	Severe: flooding	Severe: flooding, wetness	Severe: flooding	Severe: low strength, flooding, frost action	Moderate: wetness, flooding
2330:						
Cliffdown-------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Moderate: small stones, droughty
Lyx----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding	Severe: droughty
2340:						
Alley----------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
Portmount-------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: droughty
Rebel----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, frost action	Slight
2341:						
Alley----------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
Wiffo----------	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: slope, large stones	Moderate: frost action, large stones	Severe: small stones, droughty

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
2341 (con.):						
Wrango----------	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding, large stones	Severe: droughty
2342:						
Alley----------	Slight	Slight	Slight	Slight	Moderate: frost action	Moderate: small stones
Kelk----------	Slight	Severe: flooding	Severe: flooding	Severe: flooding	Severe: low strength	Slight
2343:						
Alley----------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
Pineval---------	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope, frost action	Moderate: small stones, droughty, slope
Portmount-------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones, droughty
2344:						
Alley----------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
Buffaran--------	Severe: cemented pan	Severe: shrink-swell, cemented pan	Severe: cemented pan, shrink-swell	Severe: shrink-swell, cemented pan	Severe: cemented pan, shrink-swell, low strength	Severe: cemented pan
Spasprey--------	Severe: cutbanks cave	Moderate: shrink-swell	Moderate: cemented pan	Moderate: shrink-swell, slope	Moderate: shrink-swell, low strength, frost action	Moderate: small stones, cemented pan
2345:						
Alley----------	Moderate: slope	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope, frost action	Moderate: small stones, slope
Wieland---------	Severe: slope	Severe: shrink-swell, slope	Severe: slope	Severe: shrink-swell, slope	Severe: shrink-swell, low strength, slope	Severe: slope
Pineval---------	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope, frost action	Moderate: small stones, droughty, slope
2360:						
Dewar----------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan
Alley----------	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones

TABLE 11.--BUILDING SITE DEVELOPMENT--Continued

Map symbol and soil name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
2361:						
Dewar	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan, low strength	Severe: large stones, cemented pan
Shabliss	Severe: cemented pan, cutbanks cave	Moderate: slope, cemented pan	Severe: cemented pan	Severe: slope	Moderate: cemented pan, slope, frost action	Severe: cemented pan
Alley	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
2400:						
Zaidy	Severe: cemented pan	Moderate: shrink-swell, cemented pan	Severe: cemented pan	Moderate: shrink-swell, slope, cemented pan	Moderate: cemented pan, shrink-swell, frost action	Severe: small stones
Alley	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
Portmount	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones, droughty
2401:						
Zaidy	Severe: cemented pan	Moderate: shrink-swell, cemented pan	Severe: cemented pan	Moderate: shrink-swell, slope, cemented pan	Moderate: cemented pan, shrink-swell, frost action	Severe: small stones
Ricert	Severe: cutbanks cave	Moderate: shrink-swell	Slight	Moderate: shrink-swell, slope	Moderate: shrink-swell, low strength	Severe: excess sodium
Alley	Slight	Slight	Slight	Moderate: slope	Moderate: frost action	Moderate: small stones
2410:						
Settlemeyer	Severe: wetness	Severe: flooding	Severe: flooding, wetness	Severe: flooding	Severe: low strength, frost action	Slight
2430:						
Rose Creek	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: frost action	Slight
2431:						
Rose Creek	Severe: cutbanks cave, wetness	Severe: flooding	Severe: flooding, wetness	Severe: flooding	Severe: flooding, frost action	Severe: flooding
2440:						
Paranat	Severe: wetness	Severe: flooding	Severe: flooding, wetness	Severe: flooding	Severe: low strength, flooding, frost action	Moderate: wetness, flooding

TABLE 12.--SANITARY FACILITIES

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1000:					
Stumble---------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
1001:					
Stumble---------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
Koyen----------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
1004:					
Stumble---------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
Eastgate--------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy	Moderate: flooding	Poor: seepage, small stones
1005:					
Stumble---------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
Unsel----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Eastgate--------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy	Moderate: flooding	Poor: seepage, small stones
1021:					
Easychair-------	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
Penoyer---------	Moderate: flooding, percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good
1031:					
Eastgate--------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy	Moderate: flooding	Poor: seepage, small stones
1035:					
Eastgate--------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy	Moderate: flooding	Poor: seepage, small stones
Lyx----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1035 (con.):					
Stumble---------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
1039:					
Eastgate--------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy	Moderate: flooding	Poor: seepage, small stones
Lyx----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
1050:					
Schwalbe--------	Severe: depth to rock, slope	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, seepage, small stones
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Bellehelen------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, small stones, slope
1060:					
Celeton---------	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
Celeton---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Badland---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, slope
1061:					
Celeton---------	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
Vigus----------	Slight	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy, small stones
Whirlo----------	Slight	Severe: seepage	Moderate: large stones	Slight	Poor: small stones
1071:					
Singatse--------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1071 (con.):					
Theon----------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Rock Outcrop.					
1076:					
Singatse--------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Hawsley---------	Severe: poor filter	Severe: seepage, slope	Severe: too sandy	Moderate: slope	Poor: seepage, too sandy
1090:					
Univega---------	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan, too sandy	Slight	Poor: cemented pan, seepage, too sandy
Koyen----------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Watoopah--------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: small stones
1092:					
Univega---------	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan, too sandy	Slight	Poor: cemented pan, seepage, too sandy
1093:					
Univega---------	Severe: cemented pan	Severe: seepage, cemented pan, slope	Severe: cemented pan, too sandy	Moderate: slope	Poor: cemented pan, seepage, too sandy
Jevets----------	Severe: cemented pan	Severe: seepage, cemented pan, slope	Severe: cemented pan, too sandy	Moderate: slope	Poor: cemented pan, too sandy
Univega---------	Severe: cemented pan	Severe: seepage, cemented pan, slope	Severe: cemented pan, too sandy	Moderate: slope	Poor: cemented pan, seepage, too sandy
1100:					
Gabbvally-------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1130:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1131:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Geer	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
1132:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Hollywell	Severe: poor filter	Severe: seepage, slope	Severe: too sandy	Moderate: flooding, slope	Poor: too sandy, small stones
Roic	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1133:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Geer	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
1134:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Hollywell	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
Lyx	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
1135:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1135 (con.):					
Watoopah	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: small stones
1136:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Eastgate	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy	Moderate: flooding	Poor: seepage, small stones
Stumble	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
1137:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Koyen	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
1138:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Zadvar	Severe: cemented pan, poor filter	Severe: seepage, cemented pan, slope	Severe: too sandy	Moderate: slope	Poor: cemented pan, seepage, too sandy
1141:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Wardenot	Severe: poor filter	Severe: seepage, large stones	Severe: large stones	Moderate: flooding	Poor: seepage, small stones
Izo	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1142:					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1142 (con.):					
Annaw----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
Izo----------	Severe: flooding, poor filter	Severe: seepage, flooding, slope	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1145:					
Unsel----------	Severe: poor filter, slope	Severe: seepage, slope	Severe: slope, too sandy	Severe: slope	Poor: seepage, too sandy, small stones
Annaw----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
1146:					
Unsel----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Silverbow-------	Severe: cemented pan	Severe: cemented pan, slope, large stones	Severe: cemented pan, large stones	Moderate: slope	Poor: cemented pan, small stones
Izo----------	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1147:					
Unsel----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Hollywell-------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
Hollywell-------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
1148:					
Unsel----------	Severe: poor filter, slope	Severe: seepage, slope	Severe: slope, too sandy	Severe: slope	Poor: seepage, too sandy, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1148 (con.):					
Ricert	Moderate: percs slowly	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Zaidy	Severe: cemented pan, slope	Severe: cemented pan, slope	Severe: cemented pan, slope	Severe: slope	Poor: cemented pan, slope
1150:					
Nuyobe	Severe: wetness, percs slowly	Severe: wetness	Severe: wetness, excess sodium, excess salt	Severe: wetness	Poor: excess sodium
1162:					
Jung	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Clanalpine	Severe: depth to rock, percs slowly, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, small stones, slope
Colbar	Severe: depth to rock, slope	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, large stones, slope
1163:					
Jung	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Hooplite	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1190:					
Penoyer	Moderate: flooding, percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good
Geer	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
1191:					
Penoyer	Moderate: flooding, percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good
Sevenmile	Severe: percs slowly	Moderate: slope	Moderate: flooding, too sandy	Moderate: flooding	Fair: too sandy, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1220:					
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Beelem----------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1221:					
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Blacktop--------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
1222:					
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Downeyville-----	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Gabbvally-------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1223:					
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
1226:					
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Bellehelen------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, small stones, slope
Rock Outcrop.					
1227:					
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Downeyville-----	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1229:					
Stewval	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
Advokay	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Slight	Poor: depth to rock
Itme	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
1230:					
Geer	Moderate: flooding, percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good
Eastgate	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy	Moderate: flooding	Poor: seepage, small stones
1231:					
Geer	Moderate: flooding, percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good
1233:					
Geer	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
Koyen	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy	Moderate: flooding	Poor: seepage, small stones
1242:					
Stargo	Moderate: flooding	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: too sandy
Playas	Severe: ponding, percs slowly	Severe: ponding	Severe: ponding, too clayey, excess salt	Severe: ponding	Poor: too clayey, hard to pack, ponding
1243:					
Stargo	Severe: flooding	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: too sandy
Playas	Severe: flooding, ponding, percs slowly	Severe: flooding, ponding	Severe: flooding, ponding, too clayey	Severe: flooding, ponding	Poor: too clayey, hard to pack, ponding
Slaw	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding, excess salt	Severe: flooding	Good

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1252:					
Wardenot	Severe: poor filter	Severe: seepage, large stones	Severe: large stones	Moderate: flooding	Poor: seepage, small stones
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Yomba	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1262:					
Berzatic	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope
Kyler	Severe: depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
1263:					
Berzatic	Severe: depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope
Downeyville	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Pintwater	Severe: depth to rock, slope	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope
1290:					
Oricto	Severe: poor filter	Severe: seepage, large stones	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
Gynelle	Severe: poor filter	Severe: seepage, large stones	Severe: too sandy, large stones	Moderate: flooding	Poor: too sandy, small stones
1291:					
Oricto	Severe: poor filter, slope	Severe: seepage, slope, large stones	Severe: slope, too sandy	Severe: slope	Poor: seepage, too sandy, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1291 (con.):					
Izo	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1292:					
Oricto	Severe: poor filter	Severe: seepage, large stones	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Luning	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: too sandy
1293:					
Oricto	Severe: poor filter	Severe: seepage, large stones	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Terlco	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Roic	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
1302:					
Ricert	Moderate: percs slowly	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Celeton	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
1303:					
Ricert	Moderate: percs slowly	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Luning	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: too sandy
1304:					
Ricert	Moderate: percs slowly	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Ricert	Moderate: percs slowly	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Cliffdown	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Poor: small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1320:					
Terlco----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Terlco----------	Severe: poor filter, slope	Severe: seepage, slope	Severe: slope, too sandy	Severe: slope	Poor: seepage, too sandy, small stones
1321:					
Terlco----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Whirlo----------	Slight	Severe: seepage	Moderate: large stones	Slight	Poor: small stones
1323:					
Terlco----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Annaw----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
Izo----------	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1326:					
Terlco----------	Severe: poor filter	Severe: seepage, slope	Severe: too sandy	Moderate: slope	Poor: seepage, too sandy, small stones
Lyda----------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
1330:					
Handpah---------	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Veet----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
1331:					
Handpah---------	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1331 (con.):					
Veet	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1332:					
Handpah	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Chuckridge	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
1333:					
Handpah	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Watoopah	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: small stones
Veet	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
1334:					
Handpah	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
1351:					
Chill	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
Veet	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
1360:					
Wabuska	Severe: wetness	Severe: wetness	Severe: wetness, too sandy, excess sodium	Severe: wetness	Poor: too sandy, excess sodium
Playas	Severe: flooding, ponding, percs slowly	Severe: flooding, ponding	Severe: flooding, ponding, too clayey	Severe: flooding, ponding	Poor: too clayey, hard to pack, ponding

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1360 (con.):					
Isolde----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy
1390:					
Jevets----------	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan, too sandy	Slight	Poor: cemented pan, too sandy
Stumble---------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
Univega---------	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan, too sandy	Slight	Poor: cemented pan, seepage, too sandy
1410:					
Watoopah--------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: small stones
Veet----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
1412:					
Watoopah--------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: small stones
Veet----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
Zadvar----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: too sandy	Slight	Poor: cemented pan, seepage, too sandy
1420:					
Squawtip--------	Severe: depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope	Poor: depth to rock, small stones, slope
Bellehelen------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, small stones, slope
Rock Outcrop.					
1421:					
Squawtip--------	Severe: depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope	Poor: depth to rock, small stones, slope

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1421 (con.):					
Gabbvally-------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
1430:					
Bellehelen------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, small stones, slope
Rock Outcrop.					
1451:					
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Zaidy----------	Severe: cemented pan, slope	Severe: cemented pan, slope	Severe: cemented pan, slope	Severe: slope	Poor: cemented pan, slope
Alley----------	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
1452:					
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Dewar----------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Alley----------	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Poor: small stones
1453:					
Grassval--------	Severe: cemented pan	Severe: cemented pan, slope	Severe: cemented pan	Moderate: slope	Poor: cemented pan, small stones
Defler----------	Severe: flooding	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
Ricert----------	Moderate: percs slowly	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
1454:					
Grassval--------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Wieland---------	Severe: percs slowly	Moderate: seepage, slope	Slight	Slight	Fair: small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1460:					
Zadvar----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: too sandy	Slight	Poor: cemented pan, seepage, too sandy
Handpah---------	Severe: cemented pan	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
1461:					
Zadvar----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: too sandy	Slight	Poor: cemented pan, seepage, too sandy
Chuckridge------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Watoopah--------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: small stones
1462:					
Zadvar----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: too sandy	Slight	Poor: cemented pan, seepage, too sandy
Chuckridge------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
1463:					
Zadvar----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: too sandy	Slight	Poor: cemented pan, seepage, too sandy
Veet----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
1464:					
Zadvar----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: too sandy	Slight	Poor: cemented pan, seepage, too sandy
Stewval---------	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
1465:					
Zadvar----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan, slope	Severe: too sandy	Moderate: slope	Poor: cemented pan, seepage, too sandy

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1465 (con.):					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1466:					
Zadvar	Severe: cemented pan, poor filter, slope	Severe: seepage, cemented pan, slope	Severe: slope, too sandy	Severe: slope	Poor: cemented pan, seepage, too sandy
Barnmot	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: hard to pack, slope
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1470:					
Cirac	Moderate: flooding	Severe: seepage	Severe: too sandy, excess salt	Moderate: flooding	Poor: too sandy
Wardenot	Severe: poor filter	Severe: seepage, large stones	Severe: large stones, excess salt	Moderate: flooding	Poor: seepage, small stones
Slaw	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding, excess salt	Severe: flooding	Good
1476:					
Cirac	Moderate: flooding	Severe: seepage	Severe: too sandy, excess salt	Moderate: flooding	Poor: too sandy
Kawich	Severe: poor filter	Severe: seepage, slope	Severe: too sandy	Slight	Poor: too sandy
1477:					
Cirac	Moderate: flooding	Severe: seepage	Severe: too sandy, excess salt	Moderate: flooding	Poor: too sandy
Cirac	Moderate: flooding	Severe: seepage	Severe: too sandy, excess salt	Moderate: flooding	Poor: too sandy
Stumble	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
1481:					
Chuckridge	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1481 (con.):					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Veet	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
1483:					
Chuckridge	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
1492:					
Slaw	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding, excess salt	Severe: flooding	Good
Rustigate	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Fair: wetness
1493:					
Slaw	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding, excess salt	Severe: flooding	Good
Stargo	Moderate: flooding	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: too sandy
Geer	Moderate: flooding, percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good
1494:					
Slaw	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding, excess salt	Severe: flooding	Good
Slaw	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding, excess salt	Severe: flooding	Good
Gitakup	Severe: percs slowly	Slight	Severe: excess salt	Moderate: flooding	Good
1495:					
Slaw	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding, excess salt	Severe: flooding	Good
Cirac	Moderate: flooding	Severe: seepage	Severe: too sandy, excess salt	Moderate: flooding	Poor: too sandy
Kawich	Severe: poor filter, slope	Severe: seepage, slope	Severe: slope, too sandy	Severe: slope	Poor: too sandy, slope

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1510:					
Isolde	Severe: poor filter	Severe: seepage, slope	Severe: too sandy	Moderate: slope	Poor: seepage, too sandy
Hawsley	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy
1520:					
Rustigate	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Fair: wetness
1530:					
Rebel	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Good
1540:					
Packer	Severe: slope	Severe: seepage, slope	Severe: seepage, slope, large stones	Severe: seepage, slope	Poor: small stones, slope
Suak	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope	Poor: depth to rock, small stones, slope
Foxvire	Severe: slope	Severe: seepage, slope	Severe: seepage, slope	Severe: seepage, slope	Poor: small stones, slope
1551:					
Sevenmile	Severe: percs slowly	Slight	Moderate: flooding, too sandy	Moderate: flooding	Fair: too sandy, small stones
1552:					
Sevenmile	Severe: percs slowly	Moderate: slope	Moderate: flooding, too sandy	Moderate: flooding	Poor: small stones
Mosida	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Good
Rebel	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Good
1553:					
Sevenmile	Severe: percs slowly	Moderate: slope	Moderate: flooding, too sandy	Moderate: flooding	Poor: small stones
1580:					
Kyler	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1620:					
Vinini----------	Severe: depth to rock, cemented pan	Severe: depth to rock, cemented pan, slope	Severe: depth to rock, cemented pan	Moderate: slope	Poor: depth to rock, small stones
Stewval---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Gabbvally-------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1621:					
Vinini----------	Severe: depth to rock, cemented pan	Severe: depth to rock, cemented pan, slope	Severe: depth to rock, cemented pan	Moderate: slope	Poor: depth to rock, small stones
Beelem----------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Gabbvally-------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1631:					
Lyx----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
Veet----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
1648:					
Armespan--------	Moderate: percs slowly	Severe: seepage	Slight	Slight	Poor: small stones
Whilphang-------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Wrango----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
1660:					
Minnye----------	Moderate: percs slowly, large stones	Severe: seepage	Moderate: large stones	Slight	Poor: seepage, small stones
Annaw----------	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1660 (con.):					
Wardenot	Severe: poor filter	Severe: seepage, large stones	Severe: large stones	Moderate: flooding	Poor: seepage, small stones
1661:					
Minnye	Moderate: percs slowly, large stones	Severe: seepage, large stones	Moderate: large stones	Slight	Poor: seepage, small stones
Cliffdown	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Poor: small stones
Lyx	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
1670:					
Logring	Severe: depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, slope
Kyler	Severe: depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, slope
1680:					
Uripnes	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
1681:					
Uripnes	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Budihol	Severe: depth to rock, slope	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Rock Outcrop.					
1691:					
Goldyke	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Blacktop	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Koyen	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1704:					
Leo	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
Izo	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1705:					
Leo	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Lyx	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
1706:					
Leo	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
Zadvar	Severe: cemented pan, poor filter, slope	Severe: seepage, cemented pan, slope	Severe: slope, too sandy	Severe: slope	Poor: cemented pan, seepage, too sandy
1741:					
Keefa	Moderate: percs slowly	Severe: seepage	Slight	Slight	Fair: small stones, thin layer
Koyen	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
1751:					
Koyen	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Koyen	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1753:					
Koyen	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Stumble	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Fair: too sandy
Koyen	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
1760:					
Vindicator	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
1790:					
Hooplite	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Theon	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Old Camp	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
1792:					
Hooplite	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
1800:					
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Zadvar	Severe: cemented pan, poor filter, slope	Severe: seepage, cemented pan, slope	Severe: slope, too sandy	Severe: slope	Poor: cemented pan, seepage, too sandy
Unsel	Severe: poor filter, slope	Severe: seepage, slope	Severe: slope, too sandy	Severe: slope	Poor: seepage, too sandy, small stones
1801:					
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1801 (con.):					
Leo	Severe: poor filter	Severe: seepage, slope	Severe: too sandy	Moderate: flooding, slope	Poor: seepage, too sandy, small stones
Zadvar	Severe: cemented pan, poor filter, slope	Severe: seepage, cemented pan, slope	Severe: slope, too sandy	Severe: slope	Poor: cemented pan, seepage, too sandy
1802:					
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Koyen	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
1805:					
Lyda	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1820:					
Izo	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1830:					
Downeyville	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
1833:					
Downeyville	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Stewval	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1833 (con.):					
Blacktop	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1834:					
Downeyville	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Blacktop	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1835:					
Downeyville	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Goldyke	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Blacktop	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
1840:					
Veet	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
Cliffdown	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Poor: small stones
1845:					
Veet	Severe: poor filter	Severe: seepage	Moderate: flooding, too sandy, large stones	Moderate: flooding	Poor: seepage, small stones
Leo	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
Minnye	Moderate: percs slowly, large stones	Severe: seepage	Moderate: large stones	Slight	Poor: seepage, small stones
1851:					
Garhill	Severe: depth to rock, cemented pan, slope	Severe: depth to rock, cemented pan, slope	Severe: depth to rock, cemented pan, slope	Severe: slope	Poor: depth to rock, slope
Tognoni	Severe: depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1860:					
Old Camp	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Colbar	Severe: depth to rock, slope	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, large stones, slope
Rock Outcrop.					
1891:					
Blacktop	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Downeyville	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
1900:					
Playas	Severe: flooding, ponding, percs slowly	Severe: flooding, ponding	Severe: flooding, ponding, too clayey	Severe: flooding, ponding	Poor: too clayey, hard to pack, ponding
1901:					
Playas	Severe: flooding, ponding, percs slowly	Severe: flooding, ponding	Severe: flooding, ponding, too clayey	Severe: flooding, ponding	Poor: too clayey, hard to pack, ponding
Slaw	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding, excess salt	Severe: flooding	Good
1902:					
Slickens	Severe: percs slowly	Moderate: slope	Severe: excess salt	Slight	Poor: excess salt
1910:					
Yomba	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1911:					
Yomba	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Playas	Severe: flooding, ponding, percs slowly	Severe: flooding, ponding	Severe: flooding, ponding, too clayey	Severe: flooding, ponding	Poor: too clayey, hard to pack, ponding

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1911 (con.):					
Yomba	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1930:					
Stonell	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Wardenot	Severe: poor filter	Severe: seepage, large stones	Severe: large stones	Moderate: flooding	Poor: seepage, small stones
Izo	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1950:					
Pintwater	Severe: depth to rock	Severe: seepage, depth to rock, slope	Severe: depth to rock, large stones	Moderate: slope	Poor: depth to rock, small stones
Izo	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
1951:					
Pintwater	Severe: depth to rock, slope, large stones	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope
Rock Outcrop.					
1953:					
Pintwater	Severe: depth to rock, slope	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Terlco	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1954:					
Pintwater	Severe: depth to rock, slope, large stones	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope
Wardenot	Severe: poor filter	Severe: seepage, large stones	Severe: large stones	Moderate: flooding	Poor: seepage, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
1954 (con.):					
Unsel	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
1955:					
Pintwater	Severe: depth to rock, slope, large stones	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope
Stumble	Severe: poor filter	Severe: seepage, slope	Moderate: slope, too sandy	Moderate: slope	Fair: too sandy, slope
Downeyville	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
1970:					
Linoyer	Moderate: flooding, percs slowly	Severe: seepage	Moderate: flooding	Moderate: flooding	Fair: thin layer
Rebel	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Good
1990:					
Tognoni	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope
Tognoni	Severe: depth to rock	Severe: depth to rock, slope, large stones	Severe: depth to rock, large stones	Moderate: slope	Poor: depth to rock, small stones
Blacktop	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
2040:					
Silverbow	Severe: cemented pan, slope	Severe: cemented pan, slope, large stones	Severe: cemented pan, slope, large stones	Severe: slope	Poor: cemented pan, small stones, slope
Rock Outcrop.					
2080:					
Maggie	Severe: depth to rock, cemented pan	Severe: depth to rock, cemented pan	Severe: depth to rock, cemented pan	Slight	Poor: depth to rock, seepage, small stones
Pintwater	Severe: depth to rock, slope, large stones	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
2080 (con.):					
Izo	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
2081:					
Maggie	Severe: depth to rock, cemented pan, slope	Severe: depth to rock, cemented pan, slope	Severe: depth to rock, cemented pan, slope	Severe: slope	Poor: depth to rock, seepage, small stones
Stewval	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Pintwater	Severe: depth to rock, slope	Severe: seepage, depth to rock, slope	Severe: depth to rock, slope, large stones	Severe: slope	Poor: depth to rock, small stones, slope
2100:					
Blappert	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Rock Outcrop.					
2110:					
Luning	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: too sandy
Hawsley	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy
Bluewing	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
2111:					
Luning	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: too sandy
Izo	Severe: flooding, poor filter	Severe: seepage, flooding	Severe: flooding, too sandy	Severe: flooding	Poor: seepage, too sandy, small stones
2120:					
Tert	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Whilphang	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock, small stones
Geer	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
2121:					
Tert----------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Roic----------	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
2130:					
Roic----------	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
Koyen----------	Severe: poor filter	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
2131:					
Roic----------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Vindicator------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Rock Outcrop.					
2140:					
Advokay---------	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Slight	Poor: depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
Itme----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
2141:					
Advokay---------	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Moderate: slope	Poor: depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
2150:					
Gynelle---------	Severe: poor filter	Severe: seepage, large stones	Severe: too sandy, large stones	Moderate: flooding	Poor: too sandy, small stones
2170:					
Lathrop---------	Severe: poor filter, large stones	Severe: seepage, slope, large stones	Severe: too sandy, large stones	Moderate: slope	Poor: seepage, too sandy, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
2170 (con.):					
Leo----------	Severe: poor filter	Severe: seepage, slope	Severe: too sandy	Moderate: flooding, slope	Poor: seepage, too sandy, small stones
2180:					
Armoine---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Beelem----------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, slope
2181:					
Armoine---------	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope	Poor: depth to rock, small stones, slope
Rock Outcrop.					
2220:					
Enko----------	Severe: percs slowly	Severe: seepage	Slight	Slight	Good
Orovada---------	Moderate: percs slowly	Moderate: seepage	Slight	Slight	Good
2230:					
Rotinom---------	Severe: flooding, percs slowly	Severe: flooding	Severe: flooding	Severe: flooding	Good
Wholan----------	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Good
Wholan----------	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Good
2240:					
Unius----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Orovada---------	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
2241:					
Unius----------	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Defler----------	Moderate: flooding	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
2250:					
Muni	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Orovada	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
Unius	Severe: cemented pan, poor filter	Severe: seepage, cemented pan, slope	Severe: cemented pan	Moderate: slope	Poor: cemented pan
2252:					
Muni	Severe: cemented pan, poor filter	Severe: seepage, cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, small stones
Alley	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
Rebel	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Good
2271:					
Buffaran	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, hard to pack
Wieland	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: small stones, slope
2272:					
Buffaran	Severe: cemented pan	Severe: cemented pan, slope	Severe: cemented pan	Moderate: slope	Poor: cemented pan, hard to pack
Pineval	Severe: slope	Severe: slope	Severe: slope, too sandy	Severe: slope	Poor: seepage, too sandy, small stones
2290:					
Spasprey	Severe: cemented pan	Severe: seepage, cemented pan	Moderate: cemented pan, too sandy	Slight	Poor: cemented pan
Alley	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
2291:					
Spasprey	Severe: cemented pan	Severe: seepage, cemented pan	Moderate: cemented pan, too sandy	Slight	Poor: cemented pan
Buffaran	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, hard to pack

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
2291 (con.):					
Orovada---------	Moderate: flooding, percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
2300:					
Kelk----------	Severe: percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good
Settlemeyer-----	Severe: percs slowly	Moderate: seepage	Moderate: flooding, too clayey, too sandy	Moderate: flooding	Fair: too clayey, too sandy, small stones
2320:					
Rosney----------	Severe: percs slowly	Moderate: seepage	Severe: excess salt	Slight	Good
Kelk----------	Severe: percs slowly	Moderate: seepage, slope	Moderate: flooding	Moderate: flooding	Good
Kelk----------	Severe: percs slowly	Moderate: seepage, slope	Slight	Slight	Good
2321:					
Rosney----------	Severe: percs slowly	Moderate: seepage	Severe: excess salt	Slight	Good
Dunphy----------	Severe: wetness, percs slowly	Severe: seepage, wetness	Severe: seepage, wetness, excess sodium	Severe: seepage, wetness	Poor: excess salt, excess sodium
Paranat---------	Severe: flooding, wetness, percs slowly	Severe: flooding, wetness	Severe: flooding, wetness, too clayey	Severe: flooding, wetness	Poor: too clayey
2330:					
Cliffdown-------	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Poor: small stones
Lyx----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
2340:					
Alley----------	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
Portmount-------	Slight	Severe: seepage	Slight	Slight	Poor: small stones
Rebel----------	Moderate: flooding	Severe: seepage	Moderate: flooding	Moderate: flooding	Good
2341:					
Alley----------	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
2341 (con.):					
Wiffo----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Slight	Poor: seepage, too sandy, small stones
Wrango----------	Severe: poor filter	Severe: seepage	Severe: too sandy	Moderate: flooding	Poor: seepage, too sandy, small stones
2342:					
Alley----------	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
Kelk----------	Severe: percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good
2343:					
Alley----------	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
Pineval---------	Moderate: percs slowly, slope	Severe: slope	Severe: too sandy	Moderate: slope	Poor: seepage, too sandy, small stones
Portmount-------	Slight	Severe: seepage	Slight	Slight	Poor: small stones
2344:					
Alley----------	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
Buffaran--------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan, hard to pack
Spasprey--------	Severe: cemented pan	Severe: seepage, cemented pan	Moderate: cemented pan, too sandy	Slight	Poor: cemented pan
2345:					
Alley----------	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Poor: small stones
Wieland---------	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
Pineval---------	Moderate: percs slowly, slope	Severe: slope	Severe: too sandy	Moderate: slope	Poor: seepage, too sandy, small stones
2360:					
Dewar----------	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Alley----------	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones

TABLE 12.--SANITARY FACILITIES--Continued

Map symbol and soil name	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
2361:					
Dewar	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Shabliss	Severe: cemented pan, poor filter	Severe: seepage, cemented pan, slope	Moderate: cemented pan, slope, too sandy	Moderate: slope	Poor: cemented pan, small stones
Alley	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
2400:					
Zaidy	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Alley	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
Portmount	Slight	Severe: seepage	Slight	Slight	Poor: small stones
2401:					
Zaidy	Severe: cemented pan	Severe: cemented pan	Severe: cemented pan	Slight	Poor: cemented pan
Ricert	Moderate: percs slowly	Severe: seepage	Moderate: too sandy	Slight	Poor: seepage, small stones
Alley	Severe: percs slowly	Moderate: slope	Slight	Slight	Poor: small stones
2410:					
Settlemeyer	Severe: wetness, percs slowly	Severe: wetness	Severe: wetness, too clayey	Severe: wetness	Poor: too clayey
2430:					
Rose Creek	Moderate: flooding, wetness	Severe: seepage	Severe: seepage, wetness, too sandy	Severe: seepage	Poor: too sandy
2431:					
Rose Creek	Severe: flooding, wetness	Severe: seepage, flooding, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: too sandy
2440:					
Paranat	Severe: flooding, wetness, percs slowly	Severe: flooding, wetness	Severe: flooding, wetness, too clayey	Severe: flooding, wetness	Poor: too clayey

TABLE 13.--CONSTRUCTION MATERIALS

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1000:				
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
1001:				
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
1004:				
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Eastgate--------	Good	Probable	Probable	Poor: small stones, area reclaim
1005:				
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Eastgate--------	Good	Probable	Probable	Poor: small stones, area reclaim
1021:				
Easychair-------	Fair: shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Penoyer---------	Good	Improbable: excess fines	Improbable: excess fines	Good
1031:				
Eastgate--------	Good	Probable	Probable	Poor: small stones, area reclaim
1035:				
Eastgate--------	Good	Probable	Probable	Poor: small stones, area reclaim
Lyx----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1039:				
Eastgate--------	Good	Probable	Probable	Poor: small stones, area reclaim
Lyx----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1050:				
Schwalbe--------	Poor: depth to rock, slope	Improbable: small stones	Improbable: thin layer	Poor: small stones, slope
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Bellehelen------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1060:				
Celeton---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Celeton---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Badland---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, slope
1061:				
Celeton---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Vigus----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Whirlo----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim, excess salt
1071:				
Singatse--------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Theon----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Rock Outcrop.				
1076:				
Singatse--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Hawsley---------	Good	Probable	Improbable: too sandy	Poor: too sandy
1090:				
Univega---------	Poor: cemented pan	Probable	Probable	Poor: cemented pan, small stones, area reclaim
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
Watoopah--------	Good	Probable	Probable	Poor: small stones, area reclaim
1092:				
Univega---------	Poor: cemented pan	Probable	Probable	Poor: cemented pan, small stones, area reclaim
1093:				
Univega---------	Poor: cemented pan	Probable	Probable	Poor: cemented pan, small stones, area reclaim
Jevets----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
Univega---------	Poor: cemented pan	Probable	Probable	Poor: cemented pan, small stones, area reclaim
1100:				
Gabbvally-------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1130:				
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1131:				
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Geer	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1132:				
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Hollywell	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones, area reclaim
Roic	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1133:				
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Geer	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1134:				
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Hollywell	Good	Probable	Probable	Poor: small stones, area reclaim
Lyx	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1135:				
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Watoopah	Good	Probable	Probable	Poor: small stones, area reclaim
1136:				
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Eastgate	Good	Probable	Probable	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
1137:				
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
1138:				
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Zadvar----------	Good	Probable	Probable	Poor: cemented pan, too sandy, small stones
1141:				
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Wardenot--------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1142:				
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Annaw----------	Good	Probable	Probable	Poor: small stones, area reclaim
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1145:				
Unsel----------	Fair: slope	Probable	Probable	Poor: small stones, area reclaim, slope
Annaw----------	Good	Probable	Probable	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1146:				
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Silverbow	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Izo	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1147:				
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Hollywell	Good	Probable	Probable	Poor: small stones, area reclaim
Hollywell	Good	Probable	Probable	Poor: small stones, area reclaim
1148:				
Unsel	Fair: slope	Probable	Probable	Poor: small stones, area reclaim, slope
Ricert	Good	Probable	Probable	Poor: small stones, area reclaim, excess sodium
Zaidy	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: small stones, slope
1150:				
Nuyobe	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
1162:				
Jung	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, too clayey, small stones
Clanalpine	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: small stones, slope
Colbar	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: large stones, slope

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1163:				
Jung----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, too clayey, small stones
Hooplite--------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1190:				
Penoyer---------	Good	Improbable: excess fines	Improbable: excess fines	Good
Geer----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1191:				
Penoyer---------	Good	Improbable: excess fines	Improbable: excess fines	Good
Sevenmile-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones
1220:				
Stewval---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Beelem----------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1221:				
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Blacktop--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1222:				
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Downeyville-----	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Gabbvally-------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1223:				
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1226:				
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Bellehelen------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1227:				
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Downeyville-----	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1229:				
Stewval---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Advokay---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Itme----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1230:				
Geer----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Eastgate--------	Good	Probable	Probable	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1231:				
Geer----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1233:				
Geer----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
1242:				
Stargo----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
Playas----------	Poor: shrink-swell, low strength, wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt, wetness
1243:				
Stargo----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
Playas----------	Poor: shrink-swell, low strength, wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt, wetness
Slaw----------	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
1252:				
Wardenot--------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Yomba----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1262:				
Berzatic--------	Poor: depth to rock, large stones, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Kyler----------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1263:				
Berzatic	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Downeyville	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Pintwater	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1290:				
Oricto	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim
Gynelle	Fair: large stones	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones, area reclaim
1291:				
Oricto	Fair: large stones, slope	Probable	Probable	Poor: too sandy, small stones, area reclaim
Izo	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1292:				
Oricto	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim
Luning	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
1293:				
Oricto	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim
Terlco	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim
Roic	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1302:				
Ricert----------	Good	Probable	Probable	Poor: small stones, area reclaim, excess sodium
Celeton---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
1303:				
Ricert----------	Good	Probable	Probable	Poor: small stones, area reclaim, excess sodium
Luning----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
1304:				
Ricert----------	Good	Probable	Probable	Poor: small stones, area reclaim, excess sodium
Ricert----------	Good	Probable	Probable	Poor: small stones, area reclaim, excess sodium
Cliffdown-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
1320:				
Terlco----------	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim
Terlco----------	Fair: large stones, slope	Probable	Probable	Poor: too sandy, small stones, area reclaim
1321:				
Terlco----------	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim
Whirlo----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim, excess salt
1323:				
Terlco----------	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Annaw----------	Good	Probable	Probable	Poor: small stones, area reclaim
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1326:				
Terlco----------	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim
Lyda----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
1330:				
Handpah---------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim
1331:				
Handpah---------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
1332:				
Handpah---------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Chuckridge------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
1333:				
Handpah---------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Watoopah--------	Good	Probable	Probable	Poor: small stones, area reclaim
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1334:				
Handpah---------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Lyda----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
1351:				
Chill----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim
1360:				
Wabuska---------	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, excess sodium
Playas----------	Poor: shrink-swell, low strength, wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt, wetness
Isolde----------	Good	Probable	Improbable: too sandy	Poor: too sandy
1390:				
Jevets----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Univega---------	Poor: cemented pan	Probable	Probable	Poor: cemented pan, small stones, area reclaim
1410:				
Watoopah--------	Good	Probable	Probable	Poor: small stones, area reclaim
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim
1412:				
Watoopah--------	Good	Probable	Probable	Poor: small stones, area reclaim
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Zadvar----------	Good	Probable	Probable	Poor: cemented pan, too sandy, small stones
1420:				
Squawtip--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: small stones, slope
Bellehelen------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1421:				
Squawtip--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: small stones, slope
Gabbvally-------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1430:				
Bellehelen------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1451:				
Grassval--------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Zaidy----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: small stones, slope
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
1452:				
Grassval--------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Dewar----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1453:				
Grassval--------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Defler----------	Good	Improbable: small stones	Probable	Poor: too sandy, small stones, area reclaim
Ricert----------	Good	Probable	Probable	Poor: small stones, area reclaim, excess sodium
1454:				
Grassval--------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Wieland---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, small stones
1460:				
Zadvar----------	Good	Probable	Probable	Poor: cemented pan, too sandy, small stones
Handpah---------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
1461:				
Zadvar----------	Good	Probable	Probable	Poor: cemented pan, too sandy, small stones
Chuckridge------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Watoopah--------	Good	Probable	Probable	Poor: small stones, area reclaim
1462:				
Zadvar----------	Good	Probable	Probable	Poor: cemented pan, too sandy, small stones
Chuckridge------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
1463:				
Zadvar----------	Good	Probable	Probable	Poor: cemented pan, too sandy, small stones

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim
1464:				
Zadvar----------	Good	Probable	Probable	Poor: cemented pan, too sandy, small stones
Stewval---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
1465:				
Zadvar----------	Good	Probable	Probable	Poor: cemented pan, too sandy, small stones
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
1466:				
Zadvar----------	Fair: slope	Probable	Probable	Poor: cemented pan, too sandy, small stones
Barnmot---------	Poor: shrink-swell, low strength, slope	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, slope
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
1470:				
Cirac----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, excess salt
Wardenot--------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
Slaw----------	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
1476:				
Cirac----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, excess salt
Kawich----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1477:				
Cirac	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, excess salt
Cirac	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, excess salt
Stumble	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
1481:				
Chuckridge	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Unsel	Good	Probable	Probable	Poor: small stones, area reclaim
Veet	Good	Probable	Probable	Poor: small stones, area reclaim
1483:				
Chuckridge	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
1492:				
Slaw	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
Rustigate	Fair: shrink-swell	Improbable: excess fines	Improbable: excess fines	Good
1493:				
Slaw	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
Stargo	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
Geer	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1494:				
Slaw	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
Slaw	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
Gitakup	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1495:				
Slaw----------	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
Cirac----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, excess salt
Kawich----------	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, slope
1510:				
Isolde----------	Good	Probable	Improbable: too sandy	Poor: too sandy
Hawsley---------	Good	Probable	Improbable: too sandy	Poor: too sandy
1520:				
Rustigate-------	Fair: shrink-swell	Improbable: excess fines	Improbable: excess fines	Good
1530:				
Rebel----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1540:				
Packer----------	Poor: slope	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: small stones, area reclaim, slope
Suak----------	Poor: depth to rock, large stones	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: small stones, slope
Foxvire---------	Poor: slope	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim, slope
1551:				
Sevenmile-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones
1552:				
Sevenmile-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Mosida----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Rebel----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1553:				
Sevenmile-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1580:				
Kyler	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1620:				
Vinini	Poor: depth to rock	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: cemented pan, small stones
Stewval	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Gabbvally	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1621:				
Vinini	Poor: depth to rock	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: cemented pan, small stones
Beelem	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Gabbvally	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1631:				
Lyx	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Veet	Good	Probable	Probable	Poor: small stones, area reclaim
1648:				
Armespan	Good	Probable	Probable	Poor: small stones, area reclaim, excess salt
Whilphang	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Wrango	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1660:				
Minnye----------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
Annaw----------	Good	Probable	Probable	Poor: small stones, area reclaim
Wardenot--------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
1661:				
Minnye----------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
Cliffdown-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Lyx----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1670:				
Logring---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Kyler----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1680:				
Uripnes---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1681:				
Uripnes---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Budihol---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1691:				
Goldyke---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Blacktop--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
1704:				
Leo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1705:				
Leo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Lyx----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1706:				
Leo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Zadvar----------	Fair: slope	Probable	Probable	Poor: cemented pan, too sandy, small stones
1741:				
Keefa----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1751:				
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
1753:				
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
1760:				
Vindicator------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1790:				
Hooplite--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Theon----------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Old Camp--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1792:				
Hooplite--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1800:				
Lyda----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Zadvar----------	Fair: slope	Probable	Probable	Poor: cemented pan, too sandy, small stones
Unsel----------	Fair: slope	Probable	Probable	Poor: small stones, area reclaim, slope
1801:				
Lyda----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Leo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Zadvar----------	Fair: slope	Probable	Probable	Poor: cemented pan, too sandy, small stones
1802:				
Lyda----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
1805:				
Lyda----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
1820:				
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1830:				
Downeyville-----	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Rock Outcrop.				
1833:				
Downeyville-----	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Blacktop--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1834:				
Downeyville-----	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Blacktop--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1835:				
Downeyville-----	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Goldyke---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Blacktop--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
1840:				
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim
Cliffdown-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
1845:				
Veet----------	Good	Probable	Probable	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Leo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Minnye----------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
1851:				
Garhill---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, cemented pan, small stones
Tognoni---------	Poor: depth to rock, slope	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: depth to rock, too clayey, small stones
1860:				
Old Camp--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Colbar----------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: large stones, slope
Rock Outcrop.				
1891:				
Blacktop--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Downeyville-----	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1900:				
Playas----------	Poor: shrink-swell, low strength, wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt, wetness
1901:				
Playas----------	Poor: shrink-swell, low strength, wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt, wetness
Slaw----------	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1902:				
Slickens--------	Fair: thin layer	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
1910:				
Yomba----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1911:				
Yomba----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Playas----------	Poor: shrink-swell, low strength, wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt, wetness
Yomba----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1930:				
Stonell---------	Good	Probable	Probable	Poor: small stones, area reclaim
Wardenot--------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1950:				
Pintwater-------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
1951:				
Pintwater-------	Poor: depth to rock, large stones, slope	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: depth to rock, small stones, slope
Rock Outcrop.				
1953:				
Pintwater-------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Terlco----------	Fair: large stones	Probable	Probable	Poor: too sandy, small stones, area reclaim
1954:				
Pintwater-------	Poor: depth to rock, large stones	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: depth to rock, small stones, slope
Wardenot--------	Fair: large stones	Probable	Probable	Poor: small stones, area reclaim
Unsel----------	Good	Probable	Probable	Poor: small stones, area reclaim
1955:				
Pintwater-------	Poor: depth to rock, large stones, slope	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: depth to rock, small stones, slope
Stumble---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Downeyville-----	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
1970:				
Linoyer---------	Good	Improbable: small stones	Probable	Fair: area reclaim
Rebel----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1990:				
Tognoni---------	Poor: depth to rock, large stones, slope	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: depth to rock, too clayey, small stones
Tognoni---------	Poor: depth to rock	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: depth to rock, too clayey, small stones
Blacktop--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
2040:				
Silverbow-------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones, slope
Rock Outcrop.				

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
2080:				
Maggie----------	Poor: depth to rock	Improbable: thin layer	Improbable: thin layer	Poor: cemented pan, small stones
Pintwater-------	Poor: depth to rock, large stones, slope	Improbable: excess fines, large stones	Improbable: excess fines, large stones	Poor: depth to rock, small stones, slope
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
2081:				
Maggie----------	Poor: depth to rock	Improbable: thin layer	Improbable: thin layer	Poor: cemented pan, small stones, slope
Stewval---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Pintwater-------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
2100:				
Blappert--------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
2110:				
Luning----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
Hawsley---------	Good	Probable	Improbable: too sandy	Poor: too sandy
Bluewing--------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
2111:				
Luning----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
Izo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
2120:				
Tert----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, slope
Whilphang-------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Geer----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
2121:				
Tert----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, slope
Roic----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
2130:				
Roic----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Koyen----------	Good	Probable	Probable	Poor: small stones, area reclaim
2131:				
Roic----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Vindicator------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
2140:				
Advokay---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones
Blacktop--------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Itme----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
2141:				
Advokay---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Blacktop--------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
2150:				
Gynelle---------	Fair: large stones	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones, area reclaim
2170:				
Lathrop---------	Poor: large stones	Improbable: large stones	Improbable: large stones	Poor: too sandy, small stones, area reclaim
Leo----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
2180:				
Armoine---------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Beelem----------	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
2181:				
Armoine---------	Poor: depth to rock, slope	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock, small stones, slope
Rock Outcrop.				
2220:				
Enko----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones, excess salt, thin layer
Orovada---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
2230:				
Rotinom---------	Fair: shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Good
Wholan----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Wholan----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess salt

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
2240:				
Unius	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Orovada	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
2241:				
Unius	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Defler	Good	Improbable: small stones	Probable	Poor: too sandy, small stones, area reclaim
2250:				
Muni	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones, area reclaim
Orovada	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Unius	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
2252:				
Muni	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones, area reclaim
Alley	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Rebel	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
2271:				
Buffaran	Poor: cemented pan, shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, too clayey, small stones
Wieland	Good	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, small stones
2272:				
Buffaran	Poor: cemented pan, shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, too clayey, small stones

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Pineval---------	Fair: slope	Probable	Probable	Poor: too sandy, small stones, area reclaim
2290:				
Spasprey--------	Good	Improbable: excess fines	Improbable: excess fines	Fair: cemented pan, area reclaim, too clayey
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
2291:				
Spasprey--------	Good	Improbable: excess fines	Improbable: excess fines	Fair: cemented pan, area reclaim, too clayey
Buffaran--------	Poor: cemented pan, shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, too clayey, small stones
Orovada---------	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
2300:				
Kelk----------	Fair: shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Fair: excess salt
Settlemeyer-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: too sandy, too clayey, small stones
2320:				
Rosney----------	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
Kelk----------	Fair: shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Fair: excess salt
Kelk----------	Fair: shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Fair: excess salt
2321:				
Rosney----------	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, excess salt
Dunphy----------	Fair: wetness	Probable	Probable	Poor: area reclaim, excess salt, excess sodium

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Paranat---------	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey, thin layer
2330:				
Cliffdown-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Lyx----------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
2340:				
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Portmount-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Rebel----------	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
2341:				
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Wiffo----------	Fair: large stones	Improbable: small stones	Probable	Poor: small stones, area reclaim
Wrango----------	Fair: large stones	Improbable: small stones	Probable	Poor: too sandy, small stones, area reclaim
2342:				
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Kelk----------	Fair: shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Fair: excess salt
2343:				
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Pineval---------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
Portmount-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
2344:				
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Buffaran--------	Poor: cemented pan, shrink-swell, low strength	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, too clayey, small stones
Spasprey--------	Good	Improbable: excess fines	Improbable: excess fines	Fair: cemented pan, area reclaim, too clayey
2345:				
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
Wieland---------	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: too clayey, small stones, slope
Pineval---------	Good	Probable	Probable	Poor: too sandy, small stones, area reclaim
2360:				
Dewar----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
2361:				
Dewar----------	Poor: cemented pan, low strength	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, large stones
Shabliss--------	Good	Improbable: excess fines	Improbable: excess fines	Poor: cemented pan, small stones, area reclaim
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
2400:				
Zaidy----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim

TABLE 13.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Portmount-------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
2401:				
Zaidy----------	Poor: cemented pan	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Ricert----------	Good	Probable	Probable	Poor: small stones, area reclaim, excess sodium
Alley----------	Good	Improbable: excess fines	Improbable: excess fines	Poor: small stones, area reclaim
2410:				
Settlemeyer-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
2430:				
Rose Creek------	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy, small stones
2431:				
Rose Creek------	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
2440:				
Paranat---------	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey, thin layer

TABLE 14.--WATER MANAGEMENT

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1000:						
Stumble	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1001:						
Stumble	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1004:						
Stumble	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Eastgate	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1005:						
Stumble	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Eastgate	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1021:						
Easychair	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Erodes easily	Erodes easily
Penoyer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Erodes easily	Erodes easily
1031:						
Eastgate	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty, rooting depth	Too sandy
1035:						
Eastgate	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Lyx	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1035 (con.):						
Stumble---------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Droughty, fast intake, soil blowing	Too sandy, soil blowing
1039:						
Eastgate--------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty, fast intake, soil blowing	Too sandy, soil blowing
Lyx----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty, fast intake	Too sandy
1050:						
Schwalbe--------	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, depth to rock	Slope, large stones, depth to rock
Stewval---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Bellehelen------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, depth to rock	Slope, large stones, depth to rock
1060:						
Celeton---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Celeton---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Badland---------	Severe: depth to rock, slope	Slight	Severe: no water	Deep to water	Slope, depth to rock	Slope, depth to rock
1061:						
Celeton---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Vigus----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Whirlo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Large stones
1071:						
Singatse--------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Theon----------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1071 (con.): Rock Outcrop.						
1076:						
Singatse	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Hawsley	Severe: seepage, slope	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Slope, too sandy, soil blowing
1090:						
Univega	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Cemented pan, too sandy, soil blowing
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, soil blowing	Too sandy, soil blowing
Watoopah	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1092:						
Univega	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Cemented pan, too sandy, soil blowing
1093:						
Univega	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, cemented pan	Slope, cemented pan, too sandy
Jevets	Severe: seepage, slope	Severe: piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Slope, cemented pan, too sandy
Univega	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, cemented pan	Slope, cemented pan, too sandy
1100:						
Gabbvally	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
1130:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1131:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Geer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
1132:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Hollywell	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Slope, large stones, too sandy
Roic	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock	Slope, depth to rock, erodes easily
1133:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Geer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
1134:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Hollywell	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy, soil blowing
Lyx	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1135:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Watoopah	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1136:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Eastgate	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1136 (con.):						
Stumble	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1137:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Too sandy
1138:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Zadvar	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Slope, cemented pan, too sandy
1141:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Wardenot	Severe: seepage	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy, soil blowing
Izo	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1142:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Annaw	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
Izo	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Slope, too sandy, soil blowing
1145:						
Unsel	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Slope, too sandy
Annaw	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1146:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Silverbow	Severe: cemented pan, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, cemented pan
Izo	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1147:						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Hollywell	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy, soil blowing
Hollywell	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy, soil blowing
1148:						
Unsel	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Slope, too sandy
Ricert	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, excess sodium, excess salt	Erodes easily, too sandy
Zaidy	Severe: slope	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Slope, cemented pan
1150:						
Nuyobe	Slight	Severe: excess sodium, excess salt	Severe: slow refill	Frost action, excess salt, excess sodium	Wetness, erodes easily, excess sodium	Erodes easily, wetness
1162:						
Jung	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, percs slowly	Slope, large stones, depth to rock
Clanalpine	Severe: slope	Moderate: thin layer, large stones	Severe: no water	Deep to water	Slope, large stones, depth to rock	Slope, large stones, depth to rock
Colbar	Severe: seepage, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, depth to rock	Slope, large stones, depth to rock
1163:						
Jung	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, percs slowly	Slope, large stones, depth to rock

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1163 (con.):						
Hooplite	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
1190:						
Penoyer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Erodes easily	Erodes easily
Geer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
1191:						
Penoyer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Erodes easily	Erodes easily
Sevenmile	Slight	Severe: piping	Severe: no water	Deep to water	Soil blowing	Too sandy, soil blowing
1220:						
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Beelem	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
1221:						
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Blacktop	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Rock Outcrop.						
1222:						
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Downeyville	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Gabbvally	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
1223:						
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Rock Outcrop.						

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1226:						
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Bellehelen	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, depth to rock	Slope, large stones, depth to rock
Rock Outcrop.						
1227:						
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Downeyville	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Rock Outcrop.						
1229:						
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Advokay	Severe: depth to rock	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Depth to rock
Itme	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy, soil blowing
1230:						
Geer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
Eastgate	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1231:						
Geer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
1233:						
Geer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty, soil blowing	Too sandy, soil blowing
1242:						
Stargo	Severe: seepage	Moderate: seepage, piping	Severe: no water	Deep to water	Droughty	Erodes easily, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1242 (con.):						
Playas----------	Slight	Severe: hard to pack, ponding, excess salt	Severe: slow refill, salty water	Ponding, percs slowly, excess salt	Ponding, droughty, percs slowly	Ponding, percs slowly
1243:						
Stargo----------	Severe: seepage	Moderate: seepage, piping	Severe: no water	Deep to water	Droughty, soil blowing, flooding	Erodes easily, too sandy, soil blowing
Playas----------	Slight	Severe: hard to pack, ponding, excess salt	Severe: slow refill, salty water	Ponding, percs slowly, flooding	Ponding, droughty, percs slowly	Ponding, percs slowly
Slaw----------	Slight	Severe: excess salt	Severe: no water	Deep to water	Percs slowly, erodes easily, flooding	Erodes easily, percs slowly
1252:						
Wardenot--------	Severe: seepage	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Unsel----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Yomba----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty	Too sandy
1262:						
Berzatic--------	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Kyler----------	Severe: depth to rock, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Rock Outcrop.						
1263:						
Berzatic--------	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Downeyville-----	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Pintwater-------	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
1290:						
Oricto----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1290 (con.):						
Gynelle---------	Severe: seepage	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
1291:						
Oricto----------	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, too sandy
Izo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1292:						
Oricto----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy, soil blowing
Luning----------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Droughty, fast intake, soil blowing	Too sandy, soil blowing
1293:						
Oricto----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Terlco----------	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Roic----------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock	Slope, depth to rock, erodes easily
1302:						
Ricert----------	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, excess sodium, excess salt	Erodes easily, too sandy
Celeton---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
1303:						
Ricert----------	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, excess sodium, excess salt	Erodes easily, too sandy
Luning----------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1304:						
Ricert----------	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, excess sodium, excess salt	Erodes easily, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1304 (con.):						
Ricert	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, excess sodium, excess salt	Erodes easily, too sandy
Cliffdown	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Favorable
1320:						
Terlco	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Terlco	Severe: seepage, slope	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, too sandy
1321:						
Terlco	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Whirlo	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Large stones
1323:						
Terlco	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Annaw	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy
Izo	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy
1326:						
Terlco	Severe: seepage, slope	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, too sandy
Lyda	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, percs slowly	Large stones, cemented pan, percs slowly
1330:						
Handpah	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Cemented pan, percs slowly
Veet	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1331:						
Handpah	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Cemented pan, percs slowly
Veet	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
1332:						
Handpah	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Cemented pan, percs slowly
Chuckridge	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
1333:						
Handpah	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Cemented pan, percs slowly
Watoopah	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Veet	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
1334:						
Handpah	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Large stones, cemented pan, percs slowly
Lyda	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, cemented pan, percs slowly
1351:						
Chill	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Veet	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
1360:						
Wabuska	Moderate: seepage	Severe: piping, excess sodium	Severe: cutbanks cave	Frost action, cutbanks cave, excess sodium	Wetness, droughty, fast intake	Wetness, too sandy, soil blowing
Playas	Slight	Severe: hard to pack, ponding, excess salt	Severe: slow refill, salty water	Ponding, percs slowly, flooding	Ponding, droughty, percs slowly	Ponding, percs slowly

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1360 (con.):						
Isolde----------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1390:						
Jevets----------	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Cemented pan, too sandy, soil blowing
Stumble---------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Droughty, fast intake, soil blowing	Too sandy, soil blowing
Univega---------	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Cemented pan, too sandy, soil blowing
1410:						
Watoopah--------	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Veet----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
1412:						
Watoopah--------	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Veet----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
Zadvar----------	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, too sandy
1420:						
Squawtip--------	Severe: slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Bellehelen------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, depth to rock	Slope, large stones, depth to rock
Rock Outcrop.						
1421:						
Squawtip--------	Severe: slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Gabbvally-------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Rock Outcrop.						

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1430:						
Bellehelen------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, depth to rock	Slope, large stones, depth to rock
Rock Outcrop.						
1451:						
Grassval--------	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
Zaidy----------	Severe: slope	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Slope, cemented pan
Alley----------	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
1452:						
Grassval--------	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
Dewar----------	Severe: cemented pan	Severe: piping	Severe: no water	Deep to water	Slope, cemented pan, erodes easily	Cemented pan, erodes easily
Alley----------	Severe: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Slope
1453:						
Grassval--------	Severe: cemented pan, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Slope, cemented pan
Defler----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, flooding	Too sandy
Ricert----------	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, excess sodium, excess salt	Erodes easily, too sandy
1454:						
Grassval--------	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
Wieland---------	Moderate: seepage, slope	Severe: piping	Severe: no water	Deep to water	Slope, droughty, percs slowly	Favorable
1460:						
Zadvar----------	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, too sandy
Handpah---------	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Cemented pan, percs slowly

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1461:						
Zadvar	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, too sandy
Chuckridge	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
Watoopah	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1462:						
Zadvar	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, too sandy
Chuckridge	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
1463:						
Zadvar	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, too sandy
Veet	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
1464:						
Zadvar	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, too sandy
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
1465:						
Zadvar	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Slope, cemented pan, too sandy
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
1466:						
Zadvar	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Slope, cemented pan, too sandy
Barnmot	Severe: slope	Severe: hard to pack	Severe: no water	Deep to water	Slope, percs slowly, excess salt	Slope, percs slowly
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1470:						
Cirac	Severe: seepage	Severe: piping, excess salt	Severe: no water	Deep to water	Soil blowing, excess salt	Too sandy, soil blowing
Wardenot	Severe: seepage	Severe: seepage, large stones, excess salt	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Slaw	Slight	Severe: excess salt	Severe: no water	Deep to water	Percs slowly, erodes easily, flooding	Erodes easily, percs slowly
1476:						
Cirac	Severe: seepage	Severe: piping, excess salt	Severe: no water	Deep to water	Soil blowing, excess salt	Too sandy, soil blowing
Kawich	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1477:						
Cirac	Severe: seepage	Severe: piping, excess salt	Severe: no water	Deep to water	Soil blowing, excess salt	Too sandy, soil blowing
Cirac	Severe: seepage	Severe: piping, excess salt	Severe: no water	Deep to water	Soil blowing, excess salt	Too sandy, soil blowing
Stumble	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Droughty, fast intake, soil blowing	Too sandy, soil blowing
1481:						
Chuckridge	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Veet	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
1483:						
Chuckridge	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
1492:						
Slaw	Slight	Severe: excess salt	Severe: no water	Deep to water	Percs slowly, erodes easily, flooding	Erodes easily, percs slowly
Rustigate	Moderate: seepage	Severe: piping	Moderate: deep to water, slow refill	Deep to water	Erodes easily	Erodes easily

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1493:						
Slaw	Slight	Severe: excess salt	Severe: no water	Deep to water	Percs slowly, erodes easily, flooding	Erodes easily, percs slowly
Stargo	Severe: seepage	Moderate: seepage, piping	Severe: no water	Deep to water	Droughty	Erodes easily, too sandy
Geer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
1494:						
Slaw	Slight	Severe: excess salt	Severe: no water	Deep to water	Fast intake, soil blowing, percs slowly	Erodes easily, soil blowing, percs slowly
Slaw	Slight	Severe: excess salt	Severe: no water	Deep to water	Percs slowly, erodes easily, flooding	Erodes easily, percs slowly
Gitakup	Slight	Severe: excess salt	Severe: no water	Deep to water	Percs slowly, erodes easily, excess salt	Erodes easily, percs slowly
1495:						
Slaw	Slight	Severe: excess salt	Severe: no water	Deep to water	Percs slowly, erodes easily, flooding	Erodes easily, percs slowly
Cirac	Severe: seepage	Severe: piping, excess salt	Severe: no water	Deep to water	Soil blowing, excess salt	Too sandy, soil blowing
Kawich	Severe: seepage, slope	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Slope, too sandy, soil blowing
1510:						
Isolde	Severe: seepage, slope	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Slope, too sandy, soil blowing
Hawsley	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1520:						
Rustigate	Moderate: seepage	Severe: piping	Moderate: deep to water, slow refill	Deep to water	Erodes easily	Erodes easily
1530:						
Rebel	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
1540:						
Packer	Severe: seepage, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1540 (con.):						
Suak	Severe: slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Foxvire	Severe: seepage, slope	Moderate: piping	Severe: no water	Deep to water	Slope	Slope
1551:						
Sevenmile	Slight	Severe: piping	Severe: no water	Deep to water	Soil blowing	Too sandy, soil blowing
1552:						
Sevenmile	Moderate: slope	Moderate: piping	Severe: no water	Deep to water	Slope	Too sandy
Mosida	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Erodes easily, flooding	Erodes easily
Rebel	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
1553:						
Sevenmile	Moderate: slope	Moderate: piping	Severe: no water	Deep to water	Slope	Too sandy
1580:						
Kyler	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
1620:						
Vinini	Severe: cemented pan, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Stewval	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Gabbvally	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock	Slope, depth to rock
1621:						
Vinini	Severe: cemented pan, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Beelem	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Gabbvally	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock	Slope, depth to rock

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1631:						
Lyx	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Veet	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
1648:						
Armespan	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Favorable
Whilphang	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Wrango	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy
1660:						
Minnye	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones
Annaw	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy
Wardenot	Severe: seepage	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
1661:						
Minnye	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones
Cliffdown	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Favorable
Lyx	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1670:						
Logring	Severe: depth to rock, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Kyler	Severe: depth to rock, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
1680:						
Uripnes	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1680 (con.):						
Rock Outcrop.						
1681:						
Uripnes---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Budihol---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Rock Outcrop.						
1691:						
Goldyke---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Koyen----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, soil blowing	Too sandy, soil blowing
1704:						
Leo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
Izo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1705:						
Leo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
Unsel----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Lyx----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1706:						
Leo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
Zadvar----------	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Slope, cemented pan, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1741:						
Keefa	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, soil blowing	Soil blowing
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, soil blowing	Too sandy, soil blowing
1751:						
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Too sandy
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Too sandy
1753:						
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, soil blowing	Too sandy, soil blowing
Stumble	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Droughty, fast intake, soil blowing	Too sandy, soil blowing
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
1760:						
Vindicator	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
1790:						
Hooplite	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Theon	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Old Camp	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
1792:						
Hooplite	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Rock Outcrop.						

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1800:						
Lyda	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, cemented pan, percs slowly
Zadvar	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Slope, cemented pan, too sandy
Unsel	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Slope, too sandy
1801:						
Lyda	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, cemented pan, percs slowly
Leo	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Slope, large stones, too sandy
Zadvar	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Slope, large stones, cemented pan
1802:						
Lyda	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, percs slowly	Large stones, cemented pan, percs slowly
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, soil blowing	Too sandy, soil blowing
1805:						
Lyda	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, cemented pan, percs slowly
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
1820:						
Izo	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1830:						
Downeyville-----	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Rock Outcrop.						
1833:						
Downeyville-----	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Stewval---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
1834:						
Downeyville-----	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
1835:						
Downeyville-----	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Goldyke---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Blacktop--------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
1840:						
Veet----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
Cliffdown-------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Favorable
1845:						
Veet----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy
Leo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Large stones, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
1845 (con.):						
Minnye----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones
1851:						
Garhill---------	Severe: depth to rock, cemented pan, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, fast intake, depth to rock	Slope, depth to rock, cemented pan
Tognoni---------	Severe: depth to rock, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
1860:						
Old Camp--------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Colbar----------	Severe: seepage, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, depth to rock	Slope, large stones, depth to rock
Rock Outcrop.						
1891:						
Blacktop--------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Downeyville-----	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Rock Outcrop.						
1900:						
Playas----------	Slight	Severe: hard to pack, ponding, excess salt	Severe: slow refill, salty water	Ponding, percs slowly, flooding	Ponding, droughty, percs slowly	Ponding, percs slowly
1901:						
Playas----------	Slight	Severe: hard to pack, ponding, excess salt	Severe: slow refill, salty water	Ponding, percs slowly, flooding	Ponding, droughty, percs slowly	Ponding, percs slowly
Slaw----------	Slight	Severe: excess salt	Severe: no water	Deep to water	Percs slowly, erodes easily, flooding	Erodes easily, percs slowly
1902:						
Slickens--------	Slight	Severe: piping, excess salt	Severe: no water	Deep to water	Droughty, soil blowing, erodes easily	Erodes easily, soil blowing
1910:						
Yomba----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty	Too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1911:						
Yomba----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty	Too sandy
Playas----------	Slight	Severe: hard to pack, ponding, excess salt	Severe: slow refill, salty water	Ponding, percs slowly, flooding	Ponding, droughty, percs slowly	Ponding, percs slowly
Yomba----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty	Too sandy
1930:						
Stonell---------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
Wardenot--------	Severe: seepage	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Izo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Droughty, fast intake, soil blowing	Too sandy, soil blowing
1950:						
Pintwater-------	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Izo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy
1951:						
Pintwater-------	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Rock Outcrop.						
1953:						
Pintwater-------	Severe: depth to rock, slope	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Terlco----------	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
1954:						
Pintwater-------	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Wardenot--------	Severe: seepage	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
1954 (con.):						
Unsel	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
1955:						
Pintwater	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Stumble	Severe: seepage, slope	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Slope, too sandy, soil blowing
Downeyville	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, fast intake	Slope, depth to rock, soil blowing
1970:						
Linoyer	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Droughty, soil blowing, erodes easily	Erodes easily, soil blowing
Rebel	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily	Erodes easily, soil blowing
1990:						
Tognoni	Severe: depth to rock, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Tognoni	Severe: depth to rock, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Blacktop	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
2040:						
Silverbow	Severe: cemented pan, slope	Severe: large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, cemented pan
Rock Outcrop.						
2080:						
Maggie	Severe: cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, depth to rock	Depth to rock, cemented pan, too sandy
Pintwater	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
Izo	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
2081:						
Maggie----------	Severe: cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock, cemented pan
Stewval---------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, large stones, depth to rock
Pintwater-------	Severe: depth to rock, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, depth to rock
2100:						
Blappert--------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Rock Outcrop.						
2110:						
Luning----------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Hawsley---------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Bluewing--------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy
2111:						
Luning----------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
Izo----------	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
2120:						
Tert----------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock, erodes easily	Slope, depth to rock, erodes easily
Whilphang-------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, soil blowing, depth to rock	Slope, depth to rock, soil blowing
Geer----------	Moderate: seepage, slope	Severe: piping	Severe: no water	Deep to water	Slope, soil blowing, erodes easily	Erodes easily, soil blowing
2121:						
Tert----------	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock, erodes easily	Slope, depth to rock, erodes easily

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
2121 (con.):						
Roic	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock	Slope, depth to rock, erodes easily
2130:						
Roic	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock	Slope, depth to rock, erodes easily
Koyen	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Too sandy
2131:						
Roic	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, depth to rock	Slope, depth to rock, erodes easily
Vindicator	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Rock Outcrop.						
2140:						
Advokay	Severe: depth to rock	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Depth to rock
Blacktop	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Itme	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Large stones, too sandy, soil blowing
2141:						
Advokay	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Blacktop	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
2150:						
Gynelle	Severe: seepage	Severe: seepage, large stones	Severe: no water	Deep to water	Large stones, droughty, fast intake	Large stones, too sandy
2170:						
Lathrop	Severe: seepage, slope	Severe: seepage, large stones	Severe: no water	Deep to water	Slope, large stones, droughty	Slope, large stones, too sandy
Leo	Severe: seepage, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Slope, large stones, too sandy

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
2180:						
Armoine	Severe: depth to rock, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Beelem	Severe: depth to rock, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
2181:						
Armoine	Severe: depth to rock, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, depth to rock	Slope, depth to rock
Rock Outcrop.						
2220:						
Enko	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, percs slowly, erodes easily	Erodes easily, soil blowing, percs slowly
Orovada	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily, excess salt	Erodes easily, soil blowing
2230:						
Rotinom	Slight	Severe: piping	Severe: no water	Deep to water	Erodes easily, flooding	Erodes easily
Wholan	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily, flooding	Erodes easily, soil blowing
Wholan	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, erodes easily, flooding	Erodes easily, soil blowing
2240:						
Unius	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, erodes easily, too sandy
Orovada	Moderate: seepage, slope	Severe: piping	Severe: no water	Deep to water	Slope, soil blowing, erodes easily	Erodes easily, soil blowing
2241:						
Unius	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, erodes easily, too sandy
Defler	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Too sandy
2250:						
Muni	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, soil blowing	Cemented pan, too sandy, soil blowing

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
2250 (con.):						
Orovada---------	Moderate: seepage, slope	Severe: piping	Severe: no water	Deep to water	Slope, soil blowing, erodes easily	Erodes easily, soil blowing
Unius----------	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Slope, cemented pan, erodes easily
2252:						
Muni----------	Severe: seepage, cemented pan	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Cemented pan, too sandy
Alley----------	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
Rebel----------	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, soil blowing, erodes easily	Erodes easily, soil blowing
2271:						
Buffaran--------	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Cemented pan, percs slowly
Wieland---------	Severe: slope	Severe: piping	Severe: no water	Deep to water	Slope, droughty, percs slowly	Slope
2272:						
Buffaran--------	Severe: cemented pan, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Slope, cemented pan, percs slowly
Pineval---------	Severe: slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Slope, large stones, too sandy
2290:						
Spasprey--------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, cemented pan, rooting depth	Cemented pan, too sandy
Alley----------	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
2291:						
Spasprey--------	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Cemented pan, rooting depth	Cemented pan, too sandy
Buffaran--------	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Cemented pan, percs slowly
Orovada---------	Moderate: seepage, slope	Severe: piping	Severe: no water	Deep to water	Slope, soil blowing, erodes easily	Erodes easily, soil blowing

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
2300:						
Kelk	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, percs slowly, erodes easily	Erodes easily, soil blowing, percs slowly
Settlemeyer	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing	Erodes easily, too sandy, soil blowing
2320:						
Rosney	Slight	Severe: excess salt	Severe: no water	Deep to water	Erodes easily, excess salt	Erodes easily
Kelk	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Percs slowly, erodes easily, excess salt	Erodes easily, percs slowly
Kelk	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Percs slowly, erodes easily, excess salt	Erodes easily, percs slowly
2321:						
Rosney	Slight	Severe: excess salt	Severe: no water	Deep to water	Erodes easily, excess salt	Erodes easily
Dunphy	Severe: seepage	Severe: piping, excess sodium, excess salt	Severe: slow refill, salty water, cutbanks cave	Frost action, excess salt, excess sodium	Wetness, erodes easily, excess sodium	Erodes easily, wetness
Paranat	Slight	Severe: piping, wetness	Severe: slow refill	Flooding, frost action	Wetness, erodes easily, flooding	Erodes easily, wetness
2330:						
Cliffdown	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, excess salt	Favorable
Lyx	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, fast intake	Too sandy, soil blowing
2340:						
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
Portmount	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, soil blowing	Soil blowing
Rebel	Severe: seepage	Severe: piping	Severe: no water	Deep to water	Slope, soil blowing	Soil blowing
2341:						
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for--			Features affecting--		
	Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions
2341 (con.):						
Wiffo	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
Wrango	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, large stones, droughty	Large stones, too sandy
2342:						
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
Kelk	Moderate: seepage	Severe: piping	Severe: no water	Deep to water	Soil blowing, percs slowly, erodes easily	Erodes easily, soil blowing, percs slowly
2343:						
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
Pineval	Severe: slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Slope, large stones, too sandy
Portmount	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Favorable
2344:						
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
Buffaran	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, percs slowly, cemented pan	Cemented pan, percs slowly
Spasprey	Severe: seepage	Severe: seepage, piping	Severe: no water	Deep to water	Slope, cemented pan, rooting depth	Cemented pan, too sandy
2345:						
Alley	Severe: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Slope
Wieland	Severe: slope	Severe: piping	Severe: no water	Deep to water	Slope, droughty, percs slowly	Slope
Pineval	Severe: slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Slope, large stones, too sandy
2360:						
Dewar	Severe: cemented pan	Severe: piping	Severe: no water	Deep to water	Slope, cemented pan, erodes easily	Cemented pan, erodes easily
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable

TABLE 14.--WATER MANAGEMENT--Continued

Map symbol and soil name	Limitations for-- Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Features affecting-- Drainage	Irrigation	Terraces and diversions
2361:						
Dewar	Severe: cemented pan	Severe: thin layer	Severe: no water	Deep to water	Slope, large stones, cemented pan	Large stones, cemented pan, erodes easily
Shabliss	Severe: seepage, cemented pan, slope	Severe: seepage	Severe: no water	Deep to water	Slope, droughty, cemented pan	Slope, cemented pan, erodes easily
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
2400:						
Zaidy	Moderate: cemented pan, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
Portmount	Severe: seepage	Severe: seepage	Severe: no water	Deep to water	Slope, droughty	Favorable
2401:						
Zaidy	Moderate: cemented pan, slope	Severe: thin layer	Severe: no water	Deep to water	Slope, cemented pan	Cemented pan
Ricert	Severe: seepage	Severe: seepage, excess sodium	Severe: no water	Deep to water	Slope, excess sodium, excess salt	Erodes easily, too sandy
Alley	Moderate: slope	Moderate: seepage	Severe: no water	Deep to water	Slope, excess salt	Favorable
2410:						
Settlemeyer	Moderate: slope	Moderate: piping, wetness	Severe: slow refill	Frost action, slope	Slope, wetness, erodes easily	Erodes easily, wetness
2430:						
Rose Creek	Severe: seepage	Severe: piping	Severe: cutbanks cave	Deep to water	Favorable	Too sandy
2431:						
Rose Creek	Severe: seepage	Severe: piping, wetness	Severe: cutbanks cave	Flooding, frost action, cutbanks cave	Wetness, erodes easily, flooding	Erodes easily, wetness, too sandy
2440:						
Paranat	Slight	Severe: piping, wetness	Severe: slow refill	Flooding, frost action	Wetness, erodes easily, flooding	Erodes easily, wetness

TABLE 15.--ENGINEERING INDEX PROPERTIES

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1000:												
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
1001:												
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
Koyen----------	0-4	Sand	SP-SM, SM	A-1, A-2, A-3	0	0	90-100	75-100	40-60	5-15	---	NP
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
1004:												
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
Eastgate--------	0-5	Gravelly loamy sand	SM	A-1	0	0	60-75	55-70	30-50	10-20	---	NP
	5-17	Gravelly sandy loam, sandy loam	SM	A-1, A-2	0	0	75-95	70-90	40-55	20-30	15-20	NP-5
	17-25	Gravelly loamy sand, loamy sand	SM	A-1	0	0	75-95	70-90	35-50	10-20	---	NP
	25-60	Very gravelly loamy sand	GP-GM	A-1	0	0-10	40-55	35-50	15-35	5-10	---	NP
1005:												
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1005 (con.):												
Unsel----------	0-3	Gravelly sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Eastgate--------	0-5	Gravelly loamy sand	SM	A-1	0	0	60-75	55-70	30-50	10-20	---	NP
	5-17	Gravelly sandy loam, sandy loam	SM	A-1, A-2	0	0	75-95	70-90	40-55	20-30	15-20	NP-5
	17-25	Gravelly loamy sand, loamy sand	SM	A-1	0	0	75-95	70-90	35-50	10-20	---	NP
	25-60	Very gravelly loamy sand	GP-GM	A-1	0	0-10	40-55	35-50	15-35	5-10	---	NP
1021:												
Easychair-------	0-11	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	80-90	25-35	5-10
	11-60	Silt loam	CL-ML, ML	A-4	0	0	100	90-100	90-100	80-90	25-35	5-10
Penoyer---------	0-3	Silt loam	ML	A-4	0	0	100	100	95-100	85-95	20-30	NP-5
	3-60	Silt loam	ML	A-4	0	0	100	100	95-100	85-95	20-30	NP-5
1031:												
Eastgate--------	0-5	Gravelly sandy loam	SM	A-1, A-2	0	0-5	70-85	60-75	35-50	20-35	15-20	NP-5
	5-17	Gravelly sandy loam, sandy loam	SM	A-1, A-2	0	0	75-95	70-90	40-55	20-30	15-20	NP-5
	17-25	Gravelly loamy sand, loamy sand	SM	A-1	0	0	75-95	70-90	35-50	10-20	---	NP
	25-60	Very gravelly loamy sand	GP-GM	A-1	0	0-10	40-55	35-50	15-35	5-10	---	NP
1035:												
Eastgate--------	0-5	Loamy sand	SM	A-1, A-2	0	0	80-95	75-90	45-65	15-30	---	NP
	5-17	Gravelly sandy loam, sandy loam	SM	A-1, A-2	0	0	75-95	70-90	40-55	20-30	15-20	NP-5
	17-25	Gravelly loamy sand, loamy sand	SM	A-1	0	0	75-95	70-90	35-50	10-20	---	NP
	25-60	Very gravelly loamy sand	GP-GM	A-1	0	0-10	40-55	35-50	15-35	5-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1035 (con.):												
Lyx----------	0-3	Gravelly loamy sand	SP-SM, SM, GP-GM, GM	A-1, A-2, A-3	0	0-5	55-85	50-75	25-55	5-20	---	NP
	3-11	Gravelly sandy loam, very gravelly fine sandy loam	GM, SM, SP-SM, GP-GM	A-1	0	0-10	45-70	40-60	25-50	5-20	20-25	NP-5
	11-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, SP-SM	A-1	0	0-10	30-60	25-50	10-25	5-10	---	NP
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
1039:												
Eastgate--------	0-5	Loamy sand	SM	A-1, A-2	0	0	80-95	75-90	45-65	15-30	---	NP
	5-17	Gravelly sandy loam, sandy loam	SM	A-1, A-2	0	0	75-95	70-90	40-55	20-30	15-20	NP-5
	17-25	Gravelly loamy sand, loamy sand	SM	A-1	0	0	75-95	70-90	35-50	10-20	---	NP
	25-60	Very gravelly loamy sand	GP-GM	A-1	0	0-10	40-55	35-50	15-35	5-10	---	NP
Lyx----------	0-3	Very gravelly loamy sand	GP, GM, SP, SM	A-1	0	0-10	35-60	30-50	15-30	0-15	---	NP
	3-11	Gravelly sandy loam, very gravelly fine sandy loam	GM, SM, SP-SM, GP-GM	A-1	0	0-10	45-70	40-60	25-50	5-20	20-25	NP-5
	11-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, SP-SM	A-1	0	0-10	30-60	25-50	10-25	5-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1050:												
Schwalbe--------	0-4	Very stony fine sandy loam	SM, GM	A-4	5-15	5-30	65-80	55-70	45-55	35-50	15-25	NP-5
	4-12	Very gravelly fine sandy loam, very gravelly loam, very gravelly very fine sandy loam	GM	A-1	0-15	5-25	50-60	30-50	25-35	10-25	15-25	NP-5
	12-22	Very gravelly loam, extremely gravelly fine sandy loam	GM, GP-GM	A-1	5-15	5-25	25-45	10-35	5-30	5-25	15-25	NP-5
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Bellehelen------	0-5	Very stony loam	SM, GM	A-4	5-15	5-40	65-80	55-70	45-55	35-50	20-25	NP-5
	5-11	Very gravelly loam, very gravelly sandy clay loam, very gravelly clay loam	GM-GC, GC	A-2	0-5	0-25	50-60	35-50	20-40	15-30	25-40	5-20
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
1060:												
Celeton---------	0-2	Very gravelly loam	GM	A-1, A-2	0	0-5	50-65	25-40	20-35	20-30	40-50	NP-5
	2-9	Gravelly sandy loam, gravelly loam, loam	SM, ML, MH	A-5	0	0-5	75-95	65-95	50-85	35-65	40-60	NP-5
	9-13	Weathered bedrock			0	0	0	0	0	0	---	NP
Celeton---------	0-2	Very cobbly sandy loam	GM, SM	A-1, A-2	0	35-45	45-70	40-70	30-50	15-35	40-50	NP-5
	2-9	Gravelly sandy loam, gravelly loam, loam	SM, ML, MH	A-5	0	0-5	75-95	65-95	50-85	35-65	40-60	NP-5
	9-13	Weathered bedrock			0	0	0	0	0	0	---	NP
Badland---------	0-60	Weathered bedrock	---	---	---	---	---	---	---	---	---	---

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1061:												
Celeton	0-2	Very gravelly loam	GM	A-1, A-2	0	0-5	50-65	25-40	20-35	20-30	40-50	NP-5
	2-9	Gravelly sandy loam, gravelly loam, loam	SM, ML, MH	A-5	0	0-5	75-95	65-95	50-85	35-65	40-60	NP-5
	9-13	Weathered bedrock			0	0	0	0	0	0	---	NP
Vigus	0-4	Gravelly loamy sand	SM	A-1, A-2	0	0-5	65-80	60-75	30-55	10-25	---	NP
	4-11	Sandy clay loam, fine sandy loam, loam	SC, SC-SM	A-2, A-6, A-4	0	0-5	85-100	75-90	65-80	25-50	25-35	5-15
	11-60	Stratified gravelly loamy sand to sandy loam	SM	A-1, A-2	0	0-10	70-85	60-80	35-55	15-30	15-25	NP-5
Whirlo	0-9	Gravelly sandy loam	SM	A-2, A-4	0	0-10	65-80	60-75	40-55	25-40	15-25	NP-5
	9-20	Gravelly sandy loam, gravelly loam, fine sandy loam	SM, GM	A-2, A-4	0	0-10	60-95	55-85	40-60	25-50	15-25	NP-5
	20-60	Stratified very gravelly loam to extremely gravelly coarse sandy loam	GM	A-2, A-1	0-5	5-30	45-60	25-50	20-40	10-30	15-25	NP-5
1071:												
Rock Outcrop.												
Singatse	0-2	Very stony sandy loam	GM	A-1	5-25	15-25	40-60	35-55	20-35	10-20	15-25	NP-5
	2-10	Very gravelly sandy loam, very gravelly loam	GM	A-1, A-2	0-5	0-10	35-55	30-50	20-45	10-35	15-25	NP-5
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
Theon	0-3	Very gravelly sandy loam	GM-GC, GM	A-2, A-1	0-1	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	3-11	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC	A-2	0-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1076:												
Singatse--------	0-2	Very stony sandy loam	GM	A-1	5-25	15-25	40-60	35-55	20-35	10-20	15-25	NP-5
	2-10	Very gravelly sandy loam, very gravelly loam	GM	A-1, A-2	0-5	0-10	35-55	30-50	20-45	10-35	15-25	NP-5
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hawsley---------	0-4	Loamy sand	SM	A-2	0	0	100	90-100	60-75	20-35	---	NP
	4-60	Stratified fine sand to coarse sand	SM, SP-SM	A-2, A-3	0	0	85-100	75-100	55-70	5-25	---	NP
1090:												
Univega---------	0-4	Gravelly fine sand	SM	A-1, A-2	0	0-10	60-85	50-80	40-70	10-20	0-14	NP
	4-13	Fine sandy loam, sandy loam	SM	A-4	0	0-5	90-100	75-100	60-80	35-50	15-25	NP-5
	13-42	Indurated			0	0	0	0	0	0	---	NP
	42-60	Gravelly coarse sand, gravelly sand	SP-SM, SM	A-1	0	0-5	60-85	50-75	20-40	5-20	0-14	NP
Koyen----------	0-4	Sandy loam	SM	A-4	0	0	90-95	85-95	50-75	35-50	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
Watoopah--------	0-3	Gravelly loamy sand	SM	A-1, A-2	0	0	70-100	55-75	35-60	10-30	---	NP
	3-12	Sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0	70-100	60-100	40-80	20-50	15-25	NP-5
	12-36	Gravelly loamy sand, gravelly sandy loam, sandy loam	SM	A-1, A-2, A-4	0	0-5	60-100	50-95	30-70	20-50	---	NP
	36-60	Stratified coarse sandy loam to very gravelly coarse sand	SM, SP-SM	A-1	0	0-5	60-85	50-75	30-50	5-25	---	NP
1092:												
Univega---------	0-4	Gravelly fine sand	SM	A-1, A-2	0	0-10	60-85	50-80	40-70	10-20	0-14	NP
	4-13	Fine sandy loam, sandy loam	SM	A-4	0	0-5	90-100	75-100	60-80	35-50	15-25	NP-5
	13-42	Indurated			0	0	0	0	0	0	---	NP
	42-60	Gravelly coarse sand, gravelly sand	SP-SM, SM	A-1	0	0-5	60-85	50-75	20-40	5-20	0-14	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1093:												
Univega---------	0-4	Gravelly sandy loam	SC-SM	A-2	0	0-10	75-85	55-75	40-60	25-35	25-30	5-10
	4-13	Fine sandy loam, sandy loam	SM	A-4	0	0-5	90-100	75-100	60-80	35-50	15-25	NP-5
	13-42	Indurated			0	0	0	0	0	0	---	NP
	42-60	Gravelly coarse sand, gravelly sand	SP-SM, SM	A-1	0	0-5	60-85	50-75	20-40	5-20	0-14	NP
Jevets----------	0-5	Fine sand	SM	A-2	0	0-5	90-100	75-100	60-80	20-30	---	NP
	5-23	Loamy fine sand, fine sand	SM	A-2	0	0-5	90-100	75-100	60-80	20-30	---	NP
	23-27	Fine sandy loam	SM	A-4, A-2	0	0-5	90-100	75-100	60-80	30-50	15-25	NP-5
	27-40	Indurated			0	0	0	0	0	0	---	NP
Univega---------	0-4	Gravelly sandy loam	SC-SM	A-2	0	0-10	75-85	55-75	40-60	25-35	25-30	5-10
	4-13	Fine sandy loam, sandy loam	SM	A-4	0	0-5	90-100	75-100	60-80	35-50	15-25	NP-5
	13-42	Indurated			0	0	0	0	0	0	---	NP
	42-60	Gravelly coarse sand, gravelly sand	SP-SM, SM	A-1	0	0-5	60-85	50-75	20-40	5-20	0-14	NP
1100:												
Gabbvally-------	0-2	Very gravelly sandy loam	GM	A-1	0	0-10	50-60	35-45	25-40	15-25	20-25	NP-5
	2-9	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM-GC	A-2	0-5	0-15	50-60	35-50	25-35	15-25	25-35	5-15
	9-13	Unweathered bedrock			0	0	0	0	0	0	---	NP
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1130:												
Unsel----------	0-3	Gravelly sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
1131:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Geer----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	95-100	85-95	40-65	15-25	NP-5
	4-60	Stratified fine sandy loam to very fine sandy loam	SM, ML	A-4	0	0	85-100	85-100	80-95	40-75	15-25	NP-5
1132:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1132 (con.):												
Hollywell-------	0-5	Very gravelly loamy sand	GM, GP-GM, SM, SP-SM	A-1	0	0-10	40-65	25-50	15-35	5-15	---	NP
	5-11	Sandy loam, gravelly fine sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0-10	65-95	60-90	35-70	20-40	15-25	NP-5
	11-60	Stratified very gravelly coarse sand to very gravelly sandy loam	GM	A-1	0	0-25	45-60	35-50	25-35	10-20	---	NP
Roic----------	0-1	Gravelly sandy loam	GM, SM	A-1, A-2	0	0-5	60-80	50-75	35-55	15-30	---	NP
	1-5	Very fine sandy loam, fine sandy loam, loam	CL-ML, SC-SM, ML, SM	A-4	0	0	90-100	80-100	70-90	35-70	20-30	NP-10
	5-9	Weathered bedrock			0	0	0	0	0	0	---	NP
1133:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Geer----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	95-100	85-95	40-65	15-25	NP-5
	4-60	Stratified fine sandy loam to very fine sandy loam	SM, ML	A-4	0	0	85-100	85-100	80-95	40-75	15-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1134:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Hollywell-------	0-5	Gravelly loamy sand	SM	A-1	0	0-10	60-85	55-75	30-50	10-20	---	NP
	5-11	Sandy loam, gravelly fine sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0-10	65-95	60-90	35-65	20-40	15-25	NP-5
	11-33	Stratified very gravelly sandy loam to gravelly sandy loam	GM	A-1	0	0-25	35-60	30-50	20-35	10-20	---	NP
	33-60	Stratified very gravelly coarse sand to very gravelly sandy loam	GM, GP-GM, GP, SP-SM	A-1	0	0-25	30-60	25-50	10-30	0-15	---	NP
Lyx----------	0-3	Gravelly loamy sand	SP-SM, SM, GP-GM, GM	A-1, A-2, A-3	0	0-5	55-85	50-75	25-55	5-20	---	NP
	3-11	Gravelly sandy loam, very gravelly fine sandy loam	GM, SM, SP-SM, GP-GM	A-1	0	0-10	45-70	40-60	25-50	5-20	20-25	NP-5
	11-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, SP-SM	A-1	0	0-10	30-60	25-50	10-25	5-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1135:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Watoopah--------	0-3	Gravelly loamy sand	SM	A-1, A-2	0	0	70-100	55-75	35-60	10-30	---	NP
	3-12	Sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0	70-100	60-100	40-80	20-50	15-25	NP-5
	12-36	Gravelly loamy sand, gravelly sandy loam, sandy loam	SM	A-1, A-2, A-4	0	0-5	60-100	50-95	30-70	20-50	---	NP
	36-60	Stratified coarse sandy loam to very gravelly coarse sand	SM, SP-SM	A-1	0	0-5	60-85	50-75	30-50	5-25	---	NP
1136:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Eastgate--------	0-5	Loamy sand	SM	A-1, A-2	0	0	80-95	75-90	45-65	15-30	---	NP
	5-17	Gravelly sandy loam, sandy loam	SM	A-1, A-2	0	0	75-95	70-90	40-55	20-30	15-20	NP-5
	17-25	Gravelly loamy sand, loamy sand	SM	A-1	0	0	75-95	70-90	35-50	10-20	---	NP
	25-60	Very gravelly loamy sand	GP-GM	A-1	0	0-10	40-55	35-50	15-35	5-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1136 (con.):												
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
1137:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Koyen----------	0-4	Gravelly sandy loam	SM	A-2, A-4	0	0	65-90	50-75	40-65	25-40	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
1138:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1138 (con.):												
Zadvar----------	0-6	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	35-50	25-40	15-25	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
1141:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Wardenot--------	0-1	Gravelly loamy sand	SM	A-1, A-2	0	0	60-80	50-75	30-55	10-20	---	NP
	1-60	Stratified very gravelly fine sandy loam to extremely cobbly loamy sand	GP-GM, GM	A-1	0-5	10-40	25-50	20-45	15-40	5-15	---	NP
Izo----------	0-5	Gravelly sand	SP-SM, SP	A-1	0	0-5	75-85	50-75	15-35	0-10	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1142:												
Unsel----------	0-3	Very gravelly fine sandy loam	GM-GC, SC-SM	A-2	0-5	15-30	40-70	35-60	30-50	15-35	20-25	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Annaw----------	0-2	Gravelly sandy loam	SM	A-1, A-2	0	0-10	60-80	55-75	35-55	20-35	---	NP
	2-11	Gravelly sandy loam, gravelly fine sandy loam, very gravelly sandy loam	GM, SM	A-1, A-2	0	0-15	50-85	45-75	30-60	15-35	---	NP
	11-60	Stratified extremely gravelly loamy coarse sand to very gravelly loamy sand	GM, GP-GM	A-1	0-5	0-25	20-55	20-45	10-20	5-15	---	NP
Izo----------	0-5	Very gravelly sand	GP, GP-GM, SP, SP-SM	A-1	0-5	0-15	35-60	30-50	15-35	0-10	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
1145:												
Unsel----------	0-3	Very gravelly fine sandy loam	GM-GC, SC-SM	A-2	0-5	15-30	40-70	35-60	30-50	15-35	20-25	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1145 (con.):												
Annaw----------	0-2	Gravelly sandy loam	SM	A-1, A-2	0	0-10	60-80	55-75	35-55	20-35	---	NP
	2-11	Gravelly sandy loam, gravelly fine sandy loam, very gravelly sandy loam	GM, SM	A-1, A-2	0	0-15	50-85	45-75	30-60	15-35	---	NP
	11-60	Stratified extremely gravelly loamy coarse sand to very gravelly loamy sand	GM, GP-GM	A-1	0-5	0-25	20-55	20-45	10-20	5-15	---	NP
1146:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Silverbow-------	0-2	Very stony fine sandy loam	GM	A-1, A-2	5-15	5-25	40-55	35-50	25-45	15-30	20-25	NP-5
	2-12	Very stony clay loam, extremely cobbly sandy clay loam, very cobbly clay loam	GC	A-2, A-6	5-15	30-45	35-55	30-50	25-50	15-40	25-40	10-20
	12-19	Indurated			0	0	0	0	0	0	---	NP
	19-36	Cemented			0	0	0	0	0	0	---	NP
Izo----------	0-5	Very gravelly sand	GP, GP-GM, SP, SP-SM	A-1	0-5	0-15	35-60	30-50	15-35	0-10	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1147:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Hollywell-------	0-5	Gravelly loamy sand	SM	A-1	0	0-10	60-85	55-75	30-50	10-20	---	NP
	5-11	Sandy loam, gravelly fine sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0-10	65-95	60-90	35-65	20-40	15-25	NP-5
	11-33	Stratified very gravelly sandy loam to gravelly sandy loam	GM	A-1	0	0-25	35-60	30-50	20-35	10-20	---	NP
	33-60	Stratified very gravelly coarse sand to very gravelly sandy loam	GM, GP-GM, GP, SP-SM	A-1	0	0-25	30-60	25-50	10-30	0-15	---	NP
Hollywell-------	0-5	Gravelly loamy sand	SM	A-1	0	0-10	60-85	55-75	30-50	10-20	---	NP
	5-11	Sandy loam, gravelly fine sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0-10	65-95	60-90	35-65	20-40	15-25	NP-5
	11-33	Stratified very gravelly sandy loam to gravelly sandy loam	GM	A-1	0	0-25	35-60	30-50	20-35	10-20	---	NP
	33-60	Stratified very gravelly coarse sand to very gravelly sandy loam	GM, GP-GM, GP, SP-SM	A-1	0	0-25	30-60	25-50	10-30	0-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1148:												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Ricert----------	0-6	Gravelly sandy loam	SM, SC-SM	A-2, A-4	0	0	65-80	50-75	40-60	25-40	20-30	NP-10
	6-18	Loam, clay loam	CL	A-6, A-7	0	0	90-100	85-100	80-90	70-80	35-45	15-20
	18-31	Loam, silt loam, clay loam	CL	A-6	0	0-5	85-100	80-95	60-75	50-70	30-40	10-15
	31-60	Very gravelly sandy loam, very gravelly loamy sand, extremely gravelly loamy sand	GM, GP-GM	A-1	0	0-15	30-60	20-50	15-35	5-25	0-14	NP
Zaidy----------	0-4	Very gravelly fine sandy loam	GM-GC, GM	A-2, A-1	0	10-15	50-65	40-55	35-50	20-30	20-30	NP-10
	4-22	Loam, clay loam, gravelly clay loam	SC, CL	A-6	0	0	75-90	60-85	55-70	45-60	30-40	10-15
	22-60	Cemented			0	0	0	0	0	0	---	NP
1150:												
Nuyobe----------	0-6	Silt loam	CL, ML	A-6	0	0	100	100	95-100	80-95	35-40	10-15
	6-60	Stratified very fine sandy loam to silty clay loam	CL, ML	A-6	0	0	100	100	95-100	75-95	35-40	10-15
1162:												
Jung----------	0-8	Very gravelly loam	GM	A-1, A-2	0	0-10	50-60	35-50	25-45	20-35	20-25	NP-5
	8-17	Very cobbly clay loam, very cobbly clay, very gravelly clay loam	GC	A-7	0	15-40	55-65	50-60	40-50	35-45	40-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1162 (con.):												
Clanalpine------	0-14	Very gravelly loam	GM-GC	A-2, A-4	5-15	5-25	60-70	50-60	35-45	30-40	25-30	5-10
	14-34	Very cobbly loam, very cobbly clay loam, very gravelly clay loam	GC	A-2, A-6	0-10	15-35	50-70	35-60	25-50	20-40	30-40	10-20
	34-38	Weathered bedrock			0	0	0	0	0	0	---	NP
Colbar----------	0-11	Cobbly loam	CL-ML	A-4	0	35-45	90-100	85-95	75-85	50-60	20-30	5-10
	11-18	Cobbly loam, gravelly clay loam, cobbly clay loam	CL	A-6	0	10-35	90-95	70-85	60-80	50-65	30-40	10-20
	18-22	Gravelly loam, cobbly loam	SC-SM, CL-ML	A-4	0	5-30	75-95	60-90	55-75	35-55	20-30	5-10
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP
1163:												
Jung----------	0-8	Very gravelly loam	GM	A-1, A-2	0	0-10	50-60	35-50	25-45	20-35	20-25	NP-5
	8-17	Very cobbly clay loam, very cobbly clay, very gravelly clay loam	GC	A-7	0	15-40	55-65	50-60	40-50	35-45	40-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hooplite--------	0-2	Very gravelly sandy loam	GM-GC	A-2	0	0-10	45-60	35-50	25-40	10-20	20-30	5-10
	2-8	Very gravelly loam, very gravelly clay loam	GC	A-2, A-6	0	0-15	45-60	35-50	30-45	25-40	30-40	10-15
	8-12	Unweathered bedrock			0	0	0	0	0	0	---	NP
1190:												
Penoyer---------	0-3	Silt loam	ML	A-4	0	0	100	100	95-100	85-95	20-30	NP-5
	3-60	Silt loam	ML	A-4	0	0	100	100	95-100	85-95	20-30	NP-5
Geer----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	95-100	85-95	40-65	15-25	NP-5
	4-60	Stratified fine sandy loam to very fine sandy loam	SM, ML	A-4	0	0	85-100	85-100	80-95	40-75	15-25	NP-5
1191:												
Penoyer---------	0-3	Silt loam	ML	A-4	0	0	100	100	95-100	85-95	20-30	NP-5
	3-60	Silt loam	ML	A-4	0	0	100	100	95-100	85-95	20-30	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1191 (con.):												
Sevenmile-------	0-12	Fine sandy loam	ML	A-4	0	0	90-100	85-100	70-80	60-70	15-25	NP-5
	12-60	Stratified extremely gravelly loamy coarse sand to silt loam	ML	A-4	0	0-10	80-100	75-100	65-85	50-75	15-25	NP-5
1220:												
Stewval---------	0-1	Very stony fine sandy loam	GM-GC	A-2	5-15	15-25	45-60	40-55	30-45	10-25	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Beelem----------	0-3	Cobbly sandy loam	SM	A-2	0	15-40	85-95	80-90	45-55	25-35	20-25	NP-5
	3-6	Gravelly sandy loam	SM	A-2	0	0-10	80-90	55-75	40-50	25-35	20-25	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
1221:												
Rock Outcrop.												
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Blacktop--------	0-6	Very gravelly fine sandy loam	GM	A-1	0	5-10	35-60	30-50	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
1222:												
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1222 (con.):												
Downeyville-----	0-4	Very gravelly fine sandy loam	SC-SM, SM	A-1, A-2	0	5-20	60-70	30-55	25-45	15-30	15-25	NP-10
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0-5	10-25	40-60	30-50	25-50	20-40	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
Gabbvally-------	0-2	Very gravelly sandy loam	GM	A-1	0	0-10	50-60	35-45	25-40	15-25	20-25	NP-5
	2-9	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM-GC	A-2	0-5	0-15	50-60	35-50	25-35	15-25	25-35	5-15
	9-13	Unweathered bedrock			0	0	0	0	0	0	---	NP
1223:												
Rock Outcrop.												
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
1226:												
Rock Outcrop.												
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Bellehelen------	0-5	Very stony loam	SM, GM	A-4	5-15	5-40	65-80	55-70	45-55	35-50	20-25	NP-5
	5-11	Very gravelly loam, very gravelly sandy clay loam, very gravelly clay loam	GM-GC, GC	A-2	0-5	0-25	50-60	35-50	20-40	15-30	25-40	5-20
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1227: Rock Outcrop.												
Stewval---------	0-1	Very stony fine sandy loam	GM-GC	A-2	5-15	15-25	45-60	40-55	30-45	10-25	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Downeyville-----	0-4	Very cobbly fine sandy loam	SC-SM, SM	A-2, A-1	0-5	30-50	70-85	45-65	35-50	15-35	15-25	NP-10
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0-5	10-25	40-60	30-50	25-50	20-40	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
1229: Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Advokay---------	0-5	Gravelly coarse sandy loam	GM, SM	A-1, A-2	0	0	55-80	50-75	25-50	15-30	20-25	NP-5
	5-9	Gravelly sandy clay loam	SC, GC	A-2	0	0	55-80	50-75	30-55	20-35	30-40	10-15
	9-13	Weathered bedrock			0	0	0	0	0	0	---	NP
Itme----------	0-4	Gravelly loamy sand	SM	A-1	0	0-5	85-95	60-75	35-50	15-20	---	NP
	4-60	Very gravelly loamy sand, very gravelly sand	SP-SM, SM, SP	A-1	0-5	0-25	65-85	25-50	10-30	0-15	---	NP
1230: Geer----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	95-100	85-95	40-65	15-25	NP-5
	4-60	Stratified fine sandy loam to very fine sandy loam	SM, ML	A-4	0	0	85-100	85-100	80-95	40-75	15-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1230 (con.):												
Eastgate--------	0-5	Gravelly loamy sand	SM	A-1	0	0	60-75	55-70	30-50	10-20	---	NP
	5-17	Gravelly sandy loam, sandy loam	SM	A-1, A-2	0	0	75-95	70-90	40-55	20-30	15-20	NP-5
	17-25	Gravelly loamy sand, loamy sand	SM	A-1	0	0	75-95	70-90	35-50	10-20	---	NP
	25-60	Very gravelly loamy sand	GP-GM	A-1	0	0-10	40-55	35-50	15-35	5-10	---	NP
1231:												
Geer----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	95-100	85-95	40-65	15-25	NP-5
	4-60	Stratified fine sandy loam to very fine sandy loam	SM, ML	A-4	0	0	85-100	85-100	80-95	40-75	15-25	NP-5
1233:												
Geer----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	95-100	85-95	40-65	15-25	NP-5
	4-60	Stratified fine sandy loam to very fine sandy loam	SM, ML	A-4	0	0	85-100	85-100	80-95	40-75	15-25	NP-5
Koyen----------	0-4	Sandy loam	SM	A-4	0	0	90-95	85-95	50-75	35-50	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
1242:												
Stargo----------	0-3	Loam	CL-ML, CL, SC-SM, SC	A-4, A-6	0	0	85-100	75-100	55-75	45-65	25-35	5-15
	3-11	Clay loam, sandy clay loam	CL	A-6, A-7	0	0	95-100	85-95	75-85	65-75	35-45	15-20
	11-60	Stratified sandy loam to very gravelly sand	SM	A-1, A-2	0	0-5	80-90	75-85	45-60	20-35	---	NP
Playas----------	0-6	Silty clay loam	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
1243:												
Stargo----------	0-5	Coarse sandy loam	SM	A-2, A-1	0	0	90-100	75-85	45-55	20-30	---	NP
	5-13	Clay loam, sandy clay loam	CL	A-6, A-7	0	0	95-100	85-95	75-85	65-75	35-45	15-20
	13-60	Stratified sandy loam to very gravelly sand	SM	A-1, A-2	0	0-5	80-90	75-85	45-60	20-35	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1243 (con.):												
Playas----------	0-6	Silty clay loam	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
Slaw----------	0-9	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	85-100	75-90	25-35	5-10
	9-60	Stratified very fine sandy loam to silty clay	ML, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	10-20
1252:												
Wardenot--------	0-1	Very gravelly loamy sand	GM, SM	A-1	0	0-10	45-60	35-55	20-40	10-15	---	NP
	1-60	Stratified very gravelly fine sandy loam to extremely cobbly loamy sand	GP-GM, GM	A-1	0-5	5-40	25-50	20-45	15-40	5-15	---	NP
Unsel----------	0-3	Gravelly loam	SC	A-6	0	0	70-80	55-75	45-55	35-45	30-35	10-15
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Yomba----------	0-4	Gravelly fine sandy loam	SM, GM	A-2	0	0	55-80	50-75	50-65	20-30	15-25	NP-5
	4-16	Sandy loam, fine sandy loam, loam	SC-SM	A-4	0	0	80-100	75-100	70-85	35-50	20-30	5-10
	16-23	Gravelly coarse sandy loam, very gravelly coarse sandy loam, very gravelly sandy loam	GM	A-1	0	0-10	40-60	35-55	20-30	10-20	15-25	NP-5
	23-60	Extremely gravelly sand, very gravelly sand	GP	A-1	0	0-15	25-40	20-35	10-20	0-5	---	NP
1262:												
Rock Outcrop.												

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1262 (con.):												
Berzatic--------	0-2	Extremely cobbly fine sandy loam	GM, GM-GC	A-1, A-2	0-10	45-55	30-55	25-50	20-40	10-25	15-25	NP-10
	2-11	Very gravelly loam, extremely cobbly fine sandy loam, extremely cobbly sandy loam	GM, GM-GC	A-1, A-2	0-10	15-50	40-60	35-55	25-45	15-30	15-25	NP-10
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
Kyler----------	0-3	Extremely cobbly loam	GM, GM-GC	A-1, A-2	0-10	40-50	30-40	25-40	20-35	15-25	15-25	NP-10
	3-9	Very cobbly loam, very gravelly loam	GM, GM-GC, SM, SC-SM	A-2, A-4	0-10	15-40	55-70	50-65	40-60	25-40	15-25	NP-10
	9-13	Unweathered bedrock			0	0	0	0	0	0	---	NP
1263:												
Berzatic--------	0-2	Very cobbly fine sandy loam	GM, GM-GC	A-1, A-2	0-1	40-50	50-55	45-50	35-40	20-25	15-25	NP-10
	2-11	Very gravelly loam, extremely cobbly fine sandy loam, extremely cobbly sandy loam	GM, GM-GC	A-1, A-2	0-10	15-50	40-60	35-55	25-45	15-30	15-25	NP-10
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
Downeyville-----	0-4	Very cobbly fine sandy loam	SC-SM, SM	A-2, A-1	0-5	30-50	70-85	45-65	35-50	15-35	15-25	NP-10
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0-5	10-25	40-60	30-50	25-50	20-40	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pintwater-------	0-4	Very gravelly fine sandy loam	GM	A-1	0-5	0-10	35-60	30-50	20-40	10-25	20-25	NP-5
	4-15	Very stony fine sandy loam, very cobbly sandy loam, extremely gravelly sandy loam	GM	A-1	5-15	30-45	35-60	30-50	15-35	10-20	20-25	NP-5
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1290:												
Oricto----------	0-1	Very cobbly fine sandy loam	GM, SM	A-1, A-2	0-5	25-40	50-70	45-65	35-55	20-35	15-25	NP-5
	1-9	Very gravelly loam, very gravelly sandy clay loam	GC	A-2	0-5	5-25	45-60	35-55	20-40	10-35	30-35	10-15
	9-19	Extremely cobbly sandy loam, very gravelly coarse sandy loam, very gravelly sandy loam	GP-GM, GM	A-1	0-5	10-45	35-55	30-50	10-35	5-20	15-25	NP-5
	19-60	Stratified extremely gravelly coarse sand to very gravelly loamy sand	GP, GM, GP-GM, SP-SM	A-1	0-5	15-30	30-60	25-50	10-35	0-15	---	NP
Gynelle---------	0-3	Very gravelly loamy sand	SM, SP-SM, GM, GP-GM	A-1	0	0-10	40-60	30-50	15-35	5-15	---	NP
	3-60	Stratified very gravelly sandy loam to extremely cobbly coarse sand	SM, GM	A-1	0	15-40	50-70	35-60	20-40	10-20	---	NP
1291:												
Oricto----------	0-1	Very gravelly sandy loam	GM	A-1, A-2	0	10-25	40-60	35-55	25-45	15-30	15-25	NP-5
	1-9	Very gravelly loam, very gravelly sandy clay loam	GC	A-2	0	5-30	45-60	35-55	20-40	10-35	30-35	10-15
	9-19	Extremely cobbly sandy loam, very gravelly coarse sandy loam	GP-GM, GM	A-1	0-5	15-45	35-55	30-50	10-35	5-20	15-25	NP-5
	19-60	Stratified extremely gravelly coarse sand to very gravelly loamy sand	GP, GM, GP-GM, SP-SM	A-1	0	0-30	30-60	25-50	10-35	0-15	---	NP
Izo----------	0-5	Very gravelly sand	GP, GP-GM, SP, SP-SM	A-1	0-5	0-15	35-60	30-50	15-35	0-10	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1292:												
Oricto----------	0-1	Gravelly loamy sand	SM	A-1, A-2	0	0-10	70-80	55-75	45-60	20-35	---	NP
	1-9	Very gravelly loam, very gravelly sandy clay loam	GC	A-2	0	5-30	45-60	35-55	20-40	10-35	30-35	10-15
	9-19	Extremely cobbly sandy loam, very gravelly coarse sandy loam	GP-GM, GM	A-1	0-5	15-45	35-55	30-50	10-35	5-20	15-25	NP-5
	19-60	Stratified extremely gravelly coarse sand to very gravelly loamy sand	GP, GM, GP-GM, SP-SM	A-1	0	0-30	30-60	25-50	10-35	0-15	---	NP
Luning----------	0-3	Gravelly loamy sand	GM, SM	A-1, A-2	0-5	0-5	55-80	50-75	40-50	20-35	---	NP
	3-60	Stratified sandy loam to very gravelly coarse sand	SM	A-1, A-2	0-10	0	75-95	55-90	45-80	10-30	---	NP
1293:												
Oricto----------	0-1	Very cobbly fine sandy loam	GM, SM	A-1, A-2	0-5	25-40	50-70	45-65	35-55	20-35	15-25	NP-5
	1-9	Very gravelly loam, very gravelly sandy clay loam	GC	A-2	0-5	5-25	45-60	35-55	20-40	10-35	30-35	10-15
	9-19	Extremely cobbly sandy loam, very gravelly coarse sandy loam, very gravelly sandy loam	GP-GM, GM	A-1	0-5	10-45	35-55	30-50	10-35	5-20	15-25	NP-5
	19-60	Stratified extremely gravelly coarse sand to very gravelly loamy sand	GP, GM, GP-GM, SP-SM	A-1	0-5	15-30	30-60	25-50	10-35	0-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1293 (con.):												
Terlco----------	0-2	Very gravelly fine sandy loam	GM	A-1	0	0-5	40-60	30-50	25-40	10-25	20-25	NP-5
	2-11	Gravelly clay loam, gravelly loam, gravelly sandy loam	CL, GC, SC	A-6, A-7	0	0-5	65-80	55-75	45-70	35-55	25-45	10-20
	11-18	Very gravelly sandy loam	GM	A-1	0-5	0-30	40-60	35-50	15-40	10-25	20-25	NP-5
	18-60	Very gravelly loamy sand, very gravelly sand, very cobbly loamy sand	SP-SM, SM, GP-GM, GM	A-1	0-5	0-40	45-70	35-50	10-30	5-15	---	NP
Roic----------	0-1	Very gravelly fine sandy loam	GM	A-1, A-2	0	0-5	40-60	30-50	20-40	15-30	20-25	NP-5
	1-5	Very fine sandy loam, fine sandy loam, loam	CL-ML, SC-SM, ML, SM	A-4	0	0	90-100	80-100	70-90	35-70	20-30	NP-10
	5-9	Weathered bedrock			0	0	0	0	0	0	---	NP
1302:												
Ricert----------	0-6	Gravelly sandy loam	SM, SC-SM	A-2, A-4	0	0	65-80	50-75	40-60	25-40	20-30	NP-10
	6-18	Loam, clay loam	CL	A-6, A-7	0	0	90-100	85-100	80-90	70-80	35-45	15-20
	18-31	Loam, silt loam, clay loam	CL	A-6	0	0-5	85-100	80-95	60-75	50-70	30-40	10-15
	31-60	Very gravelly sandy loam, very gravelly loamy sand, extremely gravelly loamy sand	GM, GP-GM	A-1	0	0-15	30-60	20-50	15-35	5-25	0-14	NP
Celeton---------	0-2	Very gravelly loam	GM	A-1, A-2	0	0-5	50-65	25-40	20-35	20-30	40-50	NP-5
	2-9	Gravelly sandy loam, gravelly loam, loam	SM, ML, MH	A-5	0	0-5	75-95	65-95	50-85	35-65	40-60	NP-5
	9-13	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1303:												
Ricert----------	0-6	Very gravelly loam	GM-GC	A-2	0-5	0-10	50-60	40-50	35-50	25-35	20-30	5-10
	6-18	Loam, clay loam	CL	A-6, A-7	0	0	90-100	85-100	80-90	70-80	35-45	15-20
	18-31	Loam, silt loam, clay loam	CL	A-6	0	0-5	85-100	80-95	60-75	50-70	30-40	10-15
	31-60	Very gravelly sandy loam, very gravelly loamy sand, extremely gravelly loamy sand	GM, GP-GM	A-1	0	0-15	30-60	20-50	15-35	5-25	0-14	NP
Luning----------	0-3	Gravelly loamy sand	GM, SM	A-1, A-2	0-5	0-5	55-80	50-75	40-50	20-35	---	NP
	3-60	Stratified sandy loam to very gravelly coarse sand	SM	A-1, A-2	0-10	0	75-95	55-90	45-80	10-30	---	NP
1304:												
Ricert----------	0-6	Very gravelly sandy loam	GM-GC	A-2	0	0-10	50-60	40-50	30-40	15-25	20-30	5-10
	6-18	Loam, clay loam	CL	A-6, A-7	0	0	90-100	85-100	80-90	70-80	35-45	15-20
	18-31	Loam, silt loam, clay loam	CL	A-6	0	0-5	85-100	80-95	60-75	50-70	30-40	10-15
	31-60	Very gravelly sandy loam, very gravelly loamy sand, extremely gravelly loamy sand	GM, GP-GM	A-1	0	0-15	30-60	20-50	15-35	5-25	0-14	NP
Ricert----------	0-6	Very gravelly loam	GM-GC	A-2	0-5	0-10	50-60	40-50	35-50	25-35	20-30	5-10
	6-18	Loam, clay loam	CL	A-6, A-7	0	0	90-100	85-100	80-90	70-80	35-45	15-20
	18-31	Loam, silt loam, clay loam	CL	A-6	0	0-5	85-100	80-95	60-75	50-70	30-40	10-15
	31-60	Very gravelly sandy loam, very gravelly loamy sand, extremely gravelly loamy sand	GM, GP-GM	A-1	0	0-15	30-60	20-50	15-35	5-25	0-14	NP
Cliffdown-------	0-3	Gravelly sandy loam	SM	A-1, A-2	0	0-5	70-80	65-75	40-50	20-30	0-14	NP
	3-60	Stratified gravelly sandy loam to very gravelly fine sandy loam	GM	A-1, A-2	0	0-5	45-55	40-50	30-40	15-30	0-14	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1320:												
Terlco----------	0-2	Very gravelly fine sandy loam	GM	A-1	0	0-5	40-60	30-50	25-40	10-25	20-25	NP-5
	2-11	Gravelly clay loam, gravelly loam, gravelly sandy loam	CL, GC, SC	A-6, A-7	0	0-5	65-80	55-75	45-70	35-55	25-45	10-20
	11-18	Very gravelly sandy loam	GM	A-1	0-5	0-30	40-60	35-50	15-40	10-25	20-25	NP-5
	18-60	Very gravelly loamy sand, very gravelly sand, very cobbly loamy sand	SP-SM, SM, GP-GM, GM	A-1	0-5	0-40	45-70	35-50	10-30	5-15	---	NP
Terlco----------	0-2	Very cobbly sandy loam	GM	A-1	0-5	30-45	35-55	30-50	25-45	10-25	20-25	NP-5
	2-11	Gravelly clay loam, gravelly loam, gravelly sandy loam	CL, GC, SC	A-6, A-7	0	0-5	65-80	55-75	45-70	35-55	25-45	10-20
	11-18	Very gravelly sandy loam	GM	A-1	0-5	0-30	40-60	35-50	15-40	10-25	20-25	NP-5
	18-60	Very gravelly loamy sand, very gravelly sand, very cobbly loamy sand	SP-SM, SM, GP-GM, GM	A-1	0-5	0-40	45-70	35-50	10-30	5-15	---	NP
1321:												
Terlco----------	0-2	Very gravelly fine sandy loam	GM	A-1	0	0-5	40-60	30-50	25-40	10-25	20-25	NP-5
	2-11	Gravelly clay loam, gravelly loam, gravelly sandy loam	CL, GC, SC	A-6, A-7	0	0-5	65-80	55-75	45-70	35-55	25-45	10-20
	11-18	Very gravelly sandy loam	GM	A-1	0-5	0-30	40-60	35-50	15-40	10-25	20-25	NP-5
	18-60	Very gravelly loamy sand, very gravelly sand, very cobbly loamy sand	SP-SM, SM, GP-GM, GM	A-1	0-5	0-40	45-70	35-50	10-30	5-15	---	NP
Whirlo----------	0-9	Gravelly sandy loam	SM	A-2, A-4	0	0-10	65-80	60-75	40-55	25-40	15-25	NP-5
	9-20	Gravelly sandy loam, gravelly loam, fine sandy loam	SM, GM	A-2, A-4	0	0-10	60-95	55-85	40-60	25-50	15-25	NP-5
	20-60	Stratified very gravelly loam to extremely gravelly coarse sandy loam	GM	A-2, A-1	0-5	5-30	45-60	25-50	20-40	10-30	15-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1323:												
Terlco----------	0-2	Very gravelly fine sandy loam	GM	A-1	0	0-5	40-60	30-50	25-40	10-25	20-25	NP-5
	2-11	Gravelly clay loam, gravelly loam, gravelly sandy loam	CL, GC, SC	A-6, A-7	0	0-5	65-80	55-75	45-70	35-55	25-45	10-20
	11-18	Very gravelly sandy loam	GM	A-1	0-5	0-30	40-60	35-50	15-40	10-25	20-25	NP-5
	18-60	Very gravelly loamy sand, very gravelly sand, very cobbly loamy sand	SP-SM, SM, GP-GM, GM	A-1	0-5	0-40	45-70	35-50	10-30	5-15	---	NP
Annaw----------	0-2	Very gravelly loamy sand	GM, SM	A-1	0	0-25	40-60	35-50	25-35	10-15	---	NP
	2-11	Gravelly sandy loam, gravelly fine sandy loam, very gravelly sandy loam	GM, SM	A-1, A-2	0	0-15	50-85	45-75	30-60	15-35	---	NP
	11-60	Stratified extremely gravelly loamy coarse sand to very gravelly loamy sand	GM, GP-GM	A-1	0-5	0-25	20-55	20-45	10-20	5-15	---	NP
Izo----------	0-5	Extremely gravelly loamy sand	GP	A-1	0-5	0-15	20-40	10-25	0-10	0-5	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
1326:												
Terlco----------	0-2	Very gravelly sandy loam	GM	A-1	0	0-5	40-60	30-50	25-40	10-25	20-25	NP-5
	2-11	Gravelly clay loam, gravelly loam, gravelly sandy loam	CL, GC, SC	A-6, A-7	0	0-5	65-80	55-75	45-70	35-55	25-45	10-20
	11-18	Very gravelly sandy loam	GM	A-1	0-5	0-30	40-60	35-50	15-40	10-25	20-25	NP-5
	18-60	Very gravelly loamy sand, very gravelly sand, very cobbly loamy sand	SP-SM, SM, GP-GM, GM	A-1	0-5	0-40	45-70	35-50	10-30	5-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1326 (con.):												
Lyda----------	0-6	Very gravelly fine sandy loam	GM	A-1	0	5-20	35-60	30-55	25-45	10-25	15-25	NP-5
	6-14	Very gravelly clay loam, very gravelly sandy clay loam	GC	A-2	0	10-25	50-60	45-55	30-45	20-35	35-40	15-20
	14-16	Indurated			0	0	0	0	0	0	---	NP
	16-60	Cemented			0	0	0	0	0	0	---	NP
1330:												
Handpah---------	0-6	Gravelly sandy loam	SM, GM	A-2	0	0-10	60-85	50-75	40-65	25-35	15-25	NP-5
	6-17	Gravelly clay loam, gravelly loam, gravelly sandy clay loam	SC, GC	A-6	0	0-10	60-85	60-75	50-60	40-50	35-40	15-20
	17-19	Very gravelly sandy loam	GP-GM, GM	A-1	0-5	10-25	40-55	25-45	20-30	5-15	---	NP
	19-22	Indurated			0	0	0	0	0	0	---	NP
	22-60	Cemented			0	0	0	0	0	0	---	NP
Veet----------	0-5	Very gravelly sandy loam	SM	A-1	0	0-10	60-75	30-50	20-45	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP
1331:												
Handpah---------	0-6	Gravelly fine sandy loam	SM, GM	A-2	0	0-10	60-85	50-75	40-65	25-35	15-25	NP-5
	6-17	Gravelly clay loam, gravelly loam, gravelly sandy clay loam	SC, GC	A-6	0	0-10	60-85	60-75	50-60	40-50	35-40	15-20
	17-19	Very gravelly sandy loam	GP-GM, GM	A-1	0-5	10-25	40-55	25-45	20-30	5-15	---	NP
	19-22	Indurated			0	0	0	0	0	0	---	NP
	22-60	Cemented			0	0	0	0	0	0	---	NP
Veet----------	0-5	Very stony sandy loam	SM	A-1	5-15	5-15	60-70	35-55	25-50	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1331 (con.):												
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
1332:												
Handpah---------	0-6	Gravelly fine sandy loam	SM, GM	A-2	0	0-10	60-85	50-75	40-65	25-35	15-25	NP-5
	6-17	Gravelly clay loam, gravelly loam, gravelly sandy clay loam	SC, GC	A-6	0	0-10	60-85	60-75	50-60	40-50	35-40	15-20
	17-19	Very gravelly sandy loam	GP-GM, GM	A-1	0-5	10-25	40-55	25-45	20-30	5-15	---	NP
	19-22	Indurated			0	0	0	0	0	0	---	NP
	22-60	Cemented			0	0	0	0	0	0	---	NP
Chuckridge------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-10	70-80	50-75	30-45	20-35	20-25	NP-5
	6-11	Gravelly loam, gravelly sandy clay loam, gravelly clay loam	SC	A-6	0	0-5	70-85	50-75	45-60	35-50	30-40	10-15
	11-60	Indurated			0	0	0	0	0	0	---	NP
1333:												
Handpah---------	0-6	Gravelly fine sandy loam	SM, GM	A-2	0	0-10	60-85	50-75	40-65	25-35	15-25	NP-5
	6-17	Gravelly clay loam, gravelly loam, gravelly sandy clay loam	SC, GC	A-6	0	0-10	60-85	60-75	50-60	40-50	35-40	15-20
	17-19	Very gravelly sandy loam	GP-GM, GM	A-1	0-5	10-25	40-55	25-45	20-30	5-15	---	NP
	19-22	Indurated			0	0	0	0	0	0	---	NP
	22-60	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1333 (con.):												
Watoopah--------	0-3	Gravelly loamy sand	SM	A-1, A-2	0	0	70-100	55-75	35-60	10-30	---	NP
	3-12	Sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0	70-100	60-100	40-80	20-50	15-25	NP-5
	12-36	Gravelly loamy sand, gravelly sandy loam, sandy loam	SM	A-1, A-2, A-4	0	0-5	60-100	50-95	30-70	20-50	---	NP
	36-60	Stratified coarse sandy loam to very gravelly coarse sand	SM, SP-SM	A-1	0	0-5	60-85	50-75	30-50	5-25	---	NP
Veet----------	0-5	Very gravelly sandy loam	SM	A-1	0	0-10	60-75	30-50	20-45	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP
1334:												
Handpah---------	0-6	Very cobbly sandy loam	GM, SM	A-1	0	30-45	45-65	40-60	20-35	10-20	15-25	NP-5
	6-17	Gravelly clay loam	SC, GC	A-6	0	0-10	60-85	55-75	50-60	40-50	35-40	15-20
	17-19	Very gravelly sandy loam	GM	A-1	0	10-25	40-55	30-45	20-30	10-20	---	NP
	19-22	Indurated			0	0	0	0	0	0	---	NP
	22-60	Cemented			0	0	0	0	0	0	---	NP
Lyda----------	0-6	Very cobbly fine sandy loam	GM, SM	A-1	0-5	25-40	45-70	40-65	25-45	15-25	15-25	NP-5
	6-14	Very gravelly clay loam, very gravelly sandy clay loam	GC	A-2	0	10-25	50-60	45-55	30-45	20-35	35-40	15-20
	14-16	Indurated			0	0	0	0	0	0	---	NP
	16-60	Cemented			0	0	0	0	0	0	---	NP
1351:												
Chill----------	0-2	Gravelly sandy loam	SM	A-1, A-2	0	0	80-95	55-75	40-55	20-35	---	NP
	2-6	Gravelly sandy clay loam	SC	A-2	0	0	90-100	50-75	40-60	25-35	35-45	15-20
	6-10	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1351 (con.):												
Veet----------	0-5	Gravelly sandy loam	SM	A-2	0	0-10	75-90	50-75	40-60	25-35	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP
1360:												
Wabuska---------	0-2	Loamy sand	SM	A-2	0	0	100	95-100	55-70	15-30	---	NP
	2-60	Stratified sand to silt loam	SM, SC-SM, CL-ML, ML	A-4	0	0	100	90-100	60-75	40-60	20-30	NP-10
Playas----------	0-6	Silty clay loam	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
Isolde----------	0-1	Fine sand	SP, SP-SM	A-3	0	0	100	100	75-90	0-10	---	NP
	1-60	Fine sand, sand	SP, SP-SM	A-3	0	0	100	100	50-80	0-10	---	NP
1390:												
Jevets----------	0-5	Fine sand	SM	A-2	0	0-5	90-100	75-100	60-80	20-30	---	NP
	5-23	Loamy fine sand, fine sand	SM	A-2	0	0-5	90-100	75-100	60-80	20-30	---	NP
	23-27	Fine sandy loam	SM	A-4, A-2	0	0-5	90-100	75-100	60-80	30-50	15-25	NP-5
	27-40	Indurated			0	0	0	0	0	0	---	NP
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
Univega---------	0-4	Gravelly fine sand	SM	A-1, A-2	0	0-10	60-85	50-80	40-70	10-20	0-14	NP
	4-13	Fine sandy loam, sandy loam	SM	A-4	0	0-5	90-100	75-100	60-80	35-50	15-25	NP-5
	13-42	Indurated			0	0	0	0	0	0	---	NP
	42-60	Gravelly coarse sand, gravelly sand	SP-SM, SM	A-1	0	0-5	60-85	50-75	20-40	5-20	0-14	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1410:												
Watoopah--------	0-3	Gravelly loamy sand	SM	A-1, A-2	0	0	70-100	55-75	35-60	10-30	---	NP
	3-12	Sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0	70-100	60-100	40-80	20-50	15-25	NP-5
	12-36	Gravelly loamy sand, gravelly sandy loam, sandy loam	SM	A-1, A-2, A-4	0	0-5	60-100	50-95	30-70	20-50	---	NP
	36-60	Stratified coarse sandy loam to very gravelly coarse sand	SM, SP-SM	A-1	0	0-5	60-85	50-75	30-50	5-25	---	NP
Veet----------	0-5	Very stony sandy loam	SM	A-1	5-15	5-15	60-70	35-55	25-50	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP
1412:												
Watoopah--------	0-3	Gravelly loamy sand	SM	A-1, A-2	0	0	70-100	55-75	35-60	10-30	---	NP
	3-12	Sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0	70-100	60-100	40-80	20-50	15-25	NP-5
	12-36	Gravelly loamy sand, gravelly sandy loam, sandy loam	SM	A-1, A-2, A-4	0	0-5	60-100	50-95	30-70	20-50	---	NP
	36-60	Stratified coarse sandy loam to very gravelly coarse sand	SM, SP-SM	A-1	0	0-5	60-85	50-75	30-50	5-25	---	NP
Veet----------	0-5	Very stony sandy loam	SM	A-1	5-15	5-15	60-70	35-55	25-50	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1412 (con.):												
Zadvar----------	0-6	Gravelly fine sandy loam	SM	A-2, A-1	0	0-5	60-80	50-75	40-60	20-35	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
1420:												
Rock Outcrop.												
Squawtip--------	0-5	Very stony loam	SM	A-4	5-20	20-40	80-90	70-85	50-60	35-50	15-25	NP-5
	5-38	Very cobbly loam, very gravelly sandy clay loam, very gravelly sandy loam	SC, SC-SM	A-2	0-15	10-45	60-70	45-55	20-40	15-35	25-35	5-15
	38-42	Weathered bedrock			0	0	0	0	0	0	---	NP
Bellehelen------	0-5	Very stony loam	SM, GM	A-4	5-15	5-40	65-80	55-70	45-55	35-50	20-25	NP-5
	5-11	Very gravelly loam, very gravelly sandy clay loam, very gravelly clay loam	GM-GC, GC	A-2	0-5	0-25	50-60	35-50	20-40	15-30	25-40	5-20
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
1421:												
Rock Outcrop.												
Squawtip--------	0-5	Very stony loam	SM	A-4	5-20	20-40	80-90	70-85	50-60	35-50	15-25	NP-5
	5-38	Very cobbly loam, very gravelly sandy clay loam, very gravelly sandy loam	SC, SC-SM	A-2	0-15	10-45	60-70	45-55	20-40	15-35	25-35	5-15
	38-42	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1421 (con.):												
Gabbvally-------	0-2	Very gravelly sandy loam	GM	A-1	0	0-10	50-60	35-45	25-40	15-25	20-25	NP-5
	2-9	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM-GC	A-2	0-5	0-15	50-60	35-50	25-35	15-25	25-35	5-15
	9-13	Unweathered bedrock			0	0	0	0	0	0	---	NP
1430:												
Rock Outcrop.												
Bellehelen------	0-5	Very stony loam	SM, GM	A-4	5-15	5-40	65-80	55-70	45-55	35-50	20-25	NP-5
	5-11	Very gravelly loam, very gravelly sandy clay loam, very gravelly clay loam	GM-GC, GC	A-2	0-5	0-25	50-60	35-50	20-40	15-30	25-40	5-20
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
1451:												
Grassval--------	0-3	Gravelly loam	SC-SM	A-2, A-4	0	0-5	65-80	55-70	45-60	30-45	20-25	5-10
	3-13	Gravelly clay loam, gravelly loam	GC	A-6	0	0-10	65-75	55-70	50-65	35-50	30-40	15-20
	13-60	Indurated			0	0	0	0	0	0	---	NP
Zaidy----------	0-4	Very gravelly fine sandy loam	GM-GC, GM	A-2, A-1	0	10-15	50-65	40-55	35-50	20-30	20-30	NP-10
	4-22	Loam, clay loam, gravelly clay loam	SC, CL	A-6	0	0	75-90	60-85	55-70	45-60	30-40	10-15
	22-60	Cemented			0	0	0	0	0	0	---	NP
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
1452:												
Grassval--------	0-3	Gravelly loam	SC-SM	A-2, A-4	0	0-5	65-80	55-70	45-60	30-45	20-25	5-10
	3-13	Gravelly clay loam, gravelly loam	GC	A-6	0	0-10	65-75	55-70	50-65	35-50	30-40	15-20
	13-60	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1452 (con.):												
Dewar----------	0-3	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-90	55-80	45-80	35-70	25-35	10-15
	3-7	Gravelly silty clay loam, gravelly clay loam	GC, CL	A-6, A-7	0	0-10	65-90	60-80	55-80	45-75	35-45	15-20
	7-15	Gravelly silt loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0	0-10	65-90	60-80	55-80	40-70	25-35	5-15
	15-44	Indurated			0	0	0	0	0	0	---	NP
	44-60	Cemented			0	0	0	0	0	0	---	NP
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
1453:												
Grassval--------	0-3	Gravelly loam	SC-SM	A-2, A-4	0	0-5	65-80	55-70	45-60	30-45	20-25	5-10
	3-13	Gravelly clay loam, gravelly loam	GC	A-6	0	0-10	65-75	55-70	50-65	35-50	30-40	15-20
	13-60	Indurated			0	0	0	0	0	0	---	NP
Defler----------	0-3	Gravelly fine sandy loam	GM, SM	A-2, A-4, A-1	0	0-5	55-80	50-75	40-60	20-40	15-25	NP-5
	3-20	Very gravelly fine sandy loam, very gravelly loam, very gravelly sandy loam	GM	A-1, A-2	0	0-10	30-55	25-50	15-40	10-30	15-25	NP-5
	20-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, GM	A-1	0	0-10	25-40	20-35	10-20	5-15	0-14	NP
Ricert----------	0-6	Gravelly fine sandy loam	SM, SC-SM	A-2, A-4	0	0	65-80	50-75	40-60	25-40	20-30	NP-10
	6-18	Loam, clay loam	CL	A-6, A-7	0	0	90-100	85-100	80-90	70-80	35-45	15-20
	18-31	Loam, silt loam, clay loam	CL	A-6	0	0-5	85-100	80-95	60-75	50-70	30-40	10-15
	31-60	Very gravelly sandy loam, very gravelly loamy sand, extremely gravelly loamy sand	GM, GP-GM	A-1	0	0-15	30-60	20-50	15-35	5-25	0-14	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1454:												
Grassval--------	0-3	Gravelly loam	SC-SM	A-2, A-4	0	0-5	65-80	55-70	45-60	30-45	20-25	5-10
	3-13	Gravelly clay loam, gravelly loam	GC	A-6	0	0-10	65-75	55-70	50-65	35-50	30-40	15-20
	13-60	Indurated			0	0	0	0	0	0	---	NP
Wieland---------	0-8	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-85	50-75	45-70	35-60	25-35	10-15
	8-23	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	50-90	50-80	45-75	50-60	25-35
	23-36	Gravelly sandy clay loam, gravelly clay loam	GC, SC	A-6, A-2	0	0-5	60-85	50-70	40-70	25-50	35-40	15-20
	36-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
1460:												
Zadvar----------	0-6	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	35-50	25-40	15-25	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
Handpah---------	0-6	Gravelly fine sandy loam	SM, GM	A-2	0	0-10	60-85	50-75	40-65	25-35	15-25	NP-5
	6-17	Gravelly clay loam, gravelly loam, gravelly sandy clay loam	SC, GC	A-6	0	0-10	60-85	60-75	50-60	40-50	35-40	15-20
	17-19	Very gravelly sandy loam	GP-GM, GM	A-1	0-5	10-25	40-55	25-45	20-30	5-15	---	NP
	19-22	Indurated			0	0	0	0	0	0	---	NP
	22-60	Cemented			0	0	0	0	0	0	---	NP
1461:												
Zadvar----------	0-6	Gravelly fine sandy loam	SM	A-2, A-1	0	0-5	60-80	50-75	40-60	20-35	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1461 (con.):												
Chuckridge------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-10	70-80	50-75	30-45	20-35	20-25	NP-5
	6-11	Gravelly loam, gravelly sandy clay loam, gravelly clay loam	SC	A-6	0	0-5	70-85	50-75	45-60	35-50	30-40	10-15
	11-60	Indurated			0	0	0	0	0	0	---	NP
Watoopah--------	0-3	Gravelly loamy sand	SM	A-1, A-2	0	0	70-100	55-75	35-60	10-30	---	NP
	3-12	Sandy loam, gravelly sandy loam	SM	A-1, A-2, A-4	0	0	70-100	60-100	40-80	20-50	15-25	NP-5
	12-36	Gravelly loamy sand, gravelly sandy loam, sandy loam	SM	A-1, A-2, A-4	0	0-5	60-100	50-95	30-70	20-50	---	NP
	36-60	Stratified coarse sandy loam to very gravelly coarse sand	SM, SP-SM	A-1	0	0-5	60-85	50-75	30-50	5-25	---	NP
1462:												
Zadvar----------	0-6	Gravelly fine sandy loam	SM	A-2, A-1	0	0-5	60-80	50-75	40-60	20-35	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
Chuckridge------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-10	70-80	50-75	30-45	20-35	20-25	NP-5
	6-11	Gravelly loam, gravelly sandy clay loam, gravelly clay loam	SC	A-6	0	0-5	70-85	50-75	45-60	35-50	30-40	10-15
	11-60	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1463:												
Zadvar----------	0-6	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	35-50	25-40	15-25	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
Veet----------	0-5	Very gravelly sandy loam	SM	A-1	0	0-10	60-75	30-50	20-45	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP
1464:												
Zadvar----------	0-6	Gravelly fine sandy loam	SM	A-2, A-1	0	0-5	60-80	50-75	40-60	20-35	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1465:												
Zadvar----------	0-6	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	35-50	25-40	15-25	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
Unsel----------	0-3	Very gravelly fine sandy loam	GM-GC, SC-SM	A-2	0-5	15-30	40-70	35-60	30-50	15-35	20-25	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
1466:												
Zadvar----------	0-6	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	35-50	25-40	15-25	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
Barnmot---------	0-5	Gravelly clay loam	SC	A-6	0	0-5	75-85	55-75	45-60	35-45	35-40	15-20
	5-60	Clay, clay loam	CH, MH	A-7	0	0	90-100	90-100	80-95	70-85	50-60	20-30

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1466 (con.):												
Unsel----------	0-3	Very gravelly fine sandy loam	GM-GC, SC-SM	A-2	0-5	15-30	40-70	35-60	30-50	15-35	20-25	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
1470:												
Cirac----------	0-1	Sandy loam	SM	A-4	0	0	100	90-100	60-70	35-50	15-25	NP-5
	1-60	Stratified gravelly sand to silt loam	SM	A-4	0	0	90-100	75-100	50-70	35-50	15-25	NP-5
Wardenot--------	0-1	Gravelly fine sandy loam	SM	A-1, A-2, A-4	0	0	60-80	50-75	40-60	20-40	20-25	NP-5
	1-60	Stratified very gravelly fine sandy loam to extremely cobbly loamy sand	GP-GM, GM	A-1	0-5	10-40	25-50	20-45	15-40	5-15	---	NP
Slaw----------	0-9	Silt loam	CL-ML	A-4	0	0	100	100	95-100	80-90	15-25	5-10
	9-60	Stratified very fine sandy loam to silty clay	ML, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	10-20
1476:												
Cirac----------	0-1	Fine sandy loam	SM, ML	A-4	0	0	100	100	75-90	40-55	15-25	NP-5
	1-60	Stratified gravelly sand to silt loam	SM	A-4	0	0	90-100	75-100	50-70	35-50	15-25	NP-5
Kawich----------	0-3	Fine sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
	3-60	Fine sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
1477:												
Cirac----------	0-1	Sandy loam	SM	A-4	0	0	100	90-100	60-70	35-50	15-25	NP-5
	1-60	Stratified gravelly sand to silt loam	SM	A-4	0	0	90-100	75-100	50-70	35-50	15-25	NP-5
Cirac----------	0-1	Fine sandy loam	SM, ML	A-4	0	0	100	100	75-90	40-55	15-25	NP-5
	1-60	Stratified gravelly sand to silt loam	SM	A-4	0	0	90-100	75-100	50-70	35-50	15-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1477 (con.):												
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
1481:												
Chuckridge------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-10	70-80	50-75	30-45	20-35	20-25	NP-5
	6-11	Gravelly loam, gravelly sandy clay loam, gravelly clay loam	SC	A-6	0	0-5	70-85	50-75	45-60	35-50	30-40	10-15
	11-60	Indurated			0	0	0	0	0	0	---	NP
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Veet----------	0-5	Very gravelly sandy loam	SM	A-1	0	0-10	60-75	30-50	20-45	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP
1483:												
Chuckridge------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-10	70-80	50-75	30-45	20-35	20-25	NP-5
	6-11	Gravelly loam, gravelly sandy clay loam, gravelly clay loam	SC	A-6	0	0-5	70-85	50-75	45-60	35-50	30-40	10-15
	11-60	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1492:												
Slaw----------	0-9	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	85-100	75-90	25-35	5-10
	9-60	Stratified very fine sandy loam to silty clay	ML, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	10-20
Rustigate-------	0-4	Silt loam	CL-ML, ML	A-4	0	0	100	100	90-100	75-85	25-35	5-10
	4-42	Loam, sandy loam	CL-ML, ML	A-4	0	0	100	100	85-95	50-75	25-35	5-10
	42-60	Loam, sandy loam	CL-ML, ML, SM, SC-SM	A-4	0	0	100	100	70-85	40-55	15-25	NP-10
1493:												
Slaw----------	0-9	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	85-100	75-90	25-35	5-10
	9-60	Stratified very fine sandy loam to silty clay	ML, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	10-20
Stargo----------	0-3	Loam	CL-ML, CL, SC-SM, SC	A-4, A-6	0	0	85-100	75-100	55-75	45-65	25-35	5-15
	3-11	Clay loam, sandy clay loam	CL	A-6, A-7	0	0	95-100	85-95	75-85	65-75	35-45	15-20
	11-60	Stratified sandy loam to very gravelly sand	SM	A-1, A-2	0	0-5	80-90	75-85	45-60	20-35	---	NP
Geer----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	95-100	85-95	40-65	15-25	NP-5
	4-60	Stratified fine sandy loam to very fine sandy loam	SM, ML	A-4	0	0	85-100	85-100	80-95	40-75	15-25	NP-5
1494:												
Slaw----------	0-9	Loamy fine sand	SM	A-2, A-4	0	0	100	100	95-100	30-45	---	NP
	9-60	Stratified very fine sandy loam to silty clay	ML, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	10-20
Slaw----------	0-9	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	85-100	75-90	25-35	5-10
	9-60	Stratified very fine sandy loam to silty clay	ML, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	10-20
Gitakup---------	0-1	Silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-100	35-45	10-15
	1-14	Silty clay, silty clay loam	ML, MH	A-7	0	0	100	100	95-100	90-100	45-55	15-20
	14-29	Silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-100	35-45	10-15
	29-60	Silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-100	35-45	10-15

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1495:												
Slaw----------	0-9	Silt loam	CL-ML	A-4	0	0	100	100	95-100	80-90	15-25	5-10
	9-60	Stratified very fine sandy loam to silty clay	ML, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	10-20
Cirac----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	100	75-90	40-55	15-25	NP-5
	4-60	Stratified gravelly sand to silt loam	SM	A-4	0	0	90-100	75-100	50-70	35-50	15-25	NP-5
Kawich----------	0-3	Fine sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
	3-60	Fine sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
1510:												
Isolde----------	0-1	Fine sand	SP, SP-SM	A-3	0	0	100	100	75-90	0-10	---	NP
	1-60	Fine sand, sand	SP, SP-SM	A-3	0	0	100	100	50-80	0-10	---	NP
Hawsley---------	0-4	Loamy sand	SM	A-2	0	0	100	90-100	60-75	20-35	---	NP
	4-60	Stratified fine sand to coarse sand	SM, SP-SM	A-2, A-3	0	0	85-100	75-100	55-70	5-25	---	NP
1520:												
Rustigate-------	0-4	Loam	CL-ML, ML	A-4	0	0	100	100	85-95	60-75	25-35	5-10
	4-42	Loam, sandy loam	CL-ML, ML	A-4	0	0	100	100	85-95	50-75	25-35	5-10
	42-60	Loam, sandy loam	CL-ML, ML, SM, SC-SM	A-4	0	0	100	100	70-85	40-55	15-25	NP-10
1530:												
Rebel----------	0-9	Sandy loam	SM	A-2	0	0	100	80-100	50-60	20-35	20-25	NP-5
	9-60	Loam, fine sandy loam, sandy loam	ML	A-4	0	0	100	85-95	70-80	50-60	20-30	NP-5
1540:												
Packer----------	0-10	Very gravelly loam	GM-GC	A-2	0-5	5-10	45-60	35-50	30-45	20-35	20-30	5-10
	10-20	Extremely cobbly clay loam, extremely cobbly loam	GC	A-2	0-10	40-55	40-55	30-45	25-40	15-30	30-40	10-15
	20-60	Extremely cobbly sandy loam, extremely cobbly loam	GM	A-1	0-10	40-55	40-55	30-45	20-35	10-25	20-25	NP-5
Suak----------	0-8	Very stony loam	GM, GM-GC	A-1, A-2	10-15	30-40	45-65	40-60	30-40	20-35	20-30	NP-10
	8-25	Extremely cobbly loam, extremely gravelly loam	GC	A-2	0	30-60	25-45	20-35	15-30	10-25	30-35	10-15
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1540 (con.):												
Foxvire---------	0-20	Gravelly loam	SM, GM	A-2, A-4	0	0-10	60-80	50-75	40-50	30-40	15-25	NP-5
	20-60	Gravelly loam, gravelly sandy loam	SM, GM	A-2, A-4	0-5	0-15	60-80	50-70	40-50	30-40	15-25	NP-5
1551:												
Sevenmile-------	0-12	Fine sandy loam	ML	A-4	0	0	90-100	85-100	70-80	60-70	15-25	NP-5
	12-60	Stratified extremely gravelly loamy coarse sand to silt loam	ML	A-4	0	0-10	80-100	75-100	65-85	50-75	15-25	NP-5
1552:												
Sevenmile-------	0-7	Gravelly loam	GM, SM	A-4	0	0-5	65-80	55-70	45-60	35-50	15-25	NP-5
	7-34	Fine sandy loam, very fine sandy loam, gravelly loam	GM, SM	A-2, A-4	0	0-5	60-100	50-90	40-70	30-50	15-25	NP-5
	34-60	Stratified extremely gravelly loamy coarse sand to silt loam	GM, SM	A-2, A-4	0	0-5	60-100	50-90	40-70	30-50	15-25	NP-5
Mosida----------	0-10	Loam	CL-ML	A-4	0	0	100	100	75-90	60-75	25-30	5-10
	10-60	Fine sandy loam, loam, silt loam	ML, CL-ML	A-4	0	0	100	80-100	60-85	55-75	15-30	NP-10
Rebel----------	0-9	Very fine sandy loam	ML	A-4	0	0	100	90-100	80-100	50-80	20-25	NP-5
	9-60	Loam, fine sandy loam, sandy loam	ML	A-4	0	0	100	85-95	70-80	50-60	20-30	NP-5
1553:												
Sevenmile-------	0-7	Gravelly loam	GM, SM	A-4	0	0-5	65-80	55-70	45-60	35-50	15-25	NP-5
	7-34	Fine sandy loam, very fine sandy loam, gravelly loam	GM, SM	A-2, A-4	0	0-5	60-100	50-90	40-70	30-50	15-25	NP-5
	34-60	Stratified extremely gravelly loamy coarse sand to silt loam	GM, SM	A-2, A-4	0	0-5	60-100	50-90	40-70	30-50	15-25	NP-5
1580:												
Kyler----------	0-3	Very gravelly fine sandy loam	GM, GM-GC, SM, SC-SM	A-1, A-2	0-2	0-20	40-60	30-50	25-40	10-20	15-25	NP-10
	3-9	Very cobbly loam, very gravelly loam	GM, GM-GC, SM, SC-SM	A-2, A-4	0-10	15-40	55-70	50-65	40-60	25-40	15-25	NP-10
	9-13	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1620:												
Vinini----------	0-2	Very stony fine sandy loam	SM	A-4	5-15	0-5	90-100	85-100	65-80	35-50	15-25	NP-5
	2-7	Very gravelly clay loam, extremely gravelly clay loam	GC	A-2	0	0	20-50	15-40	15-35	10-30	35-45	15-20
	7-12	Very cobbly clay loam, very gravelly clay loam, extremely cobbly clay loam	GC	A-2	0-10	20-55	45-60	35-50	35-45	30-35	35-45	15-20
	12-30	Indurated			0	0	0	0	0	0	---	NP
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP
Stewval---------	0-1	Very stony fine sandy loam	GM-GC	A-2	5-15	15-25	45-60	40-55	30-45	10-25	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Gabbvally-------	0-2	Very stony loam	GM	A-4	5-25	5-10	60-75	55-70	45-55	35-50	20-25	NP-5
	2-9	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM-GC	A-2	0-5	0-15	50-60	35-50	25-35	15-25	25-35	5-15
	9-13	Unweathered bedrock			0	0	0	0	0	0	---	NP
1621:												
Vinini----------	0-2	Very stony fine sandy loam	SM	A-4	5-15	0-5	90-100	85-100	65-80	35-50	15-25	NP-5
	2-7	Very gravelly clay loam, extremely gravelly clay loam	GC	A-2	0	0	20-50	15-40	15-35	10-30	35-45	15-20
	7-12	Very cobbly clay loam, very gravelly clay loam, extremely cobbly clay loam	GC	A-2	0-10	20-55	45-60	35-50	35-45	30-35	35-45	15-20
	12-30	Indurated			0	0	0	0	0	0	---	NP
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1621 (con.):												
Beelem----------	0-3	Cobbly sandy loam	SM	A-2	0	15-40	85-95	80-90	45-55	25-35	20-25	NP-5
	3-6	Gravelly sandy loam	SM	A-2	0	0-10	80-90	55-75	40-50	25-35	20-25	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
Gabbvally-------	0-2	Very stony loam	GM	A-4	5-25	5-10	60-75	55-70	45-55	35-50	20-25	NP-5
	2-9	Very gravelly sandy clay loam, very gravelly sandy loam, very gravelly loam	GC, GM-GC	A-2	0-5	0-15	50-60	35-50	25-35	15-25	25-35	5-15
	9-13	Unweathered bedrock			0	0	0	0	0	0	---	NP
1631:												
Lyx----------	0-3	Gravelly loamy sand	SP-SM, SM, GP-GM, GM	A-1, A-2, A-3	0	0-5	55-85	50-75	25-55	5-20	---	NP
	3-11	Gravelly sandy loam, very gravelly fine sandy loam	GM, SM, SP-SM, GP-GM	A-1	0	0-10	45-70	40-60	25-50	5-20	20-25	NP-5
	11-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, SP-SM	A-1	0	0-10	30-60	25-50	10-25	5-10	---	NP
Veet----------	0-5	Very gravelly sandy loam	SM	A-1	0	0-10	60-75	30-50	20-45	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1648:												
Armespan--------	0-1	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	30-50	20-40	10-25	20-25	NP-5
	1-5	Sandy loam, gravelly sandy loam, gravelly loam	SM	A-1, A-2	0	0-5	80-95	65-90	45-65	20-35	20-25	NP-5
	5-22	Gravelly sandy loam, gravelly loam	SM, GM	A-2, A-4	0	0-10	55-85	50-75	35-60	25-45	20-25	NP-5
	22-44	Very gravelly sandy loam, very gravelly coarse sandy loam	GM	A-1	0	0-10	40-60	35-50	20-40	10-25	20-25	NP-5
	44-60	Very gravelly loamy coarse sand, very gravelly loamy sand	SM, SP-SM, GM, GP-GM	A-1	0	0-10	30-60	25-50	10-35	5-15	---	NP
Whilphang-------	0-7	Very gravelly sandy loam	SM, SC-SM, GM, GM-GC	A-1, A-2	0-2	0-5	50-65	30-50	20-35	10-20	20-30	NP-10
	7-12	Gravelly loam	SM, SC-SM, GM, GM-GC	A-2, A-4	0	0-5	65-85	50-75	40-55	30-40	20-30	NP-10
	12-16	Weathered bedrock			0	0	0	0	0	0	---	NP
Wrango----------	0-2	Very gravelly loamy sand	GM, SM	A-1	0-5	0-10	45-60	35-55	20-40	10-15	---	NP
	2-12	Very gravelly sandy loam	GM, SM, GM-GC, SC-SM	A-1, A-2	0-5	0-5	50-70	30-50	20-30	10-25	15-25	NP-10
	12-60	Stratified extremely gravelly sand to extremely gravelly loamy coarse sand	GP, GP-GM	A-1	0-5	5-30	25-40	15-30	5-20	0-10	---	NP
1660:												
Minnye----------	0-3	Very gravelly sandy loam	GM	A-1	0	0-10	35-55	30-45	20-30	10-20	15-20	NP-5
	3-12	Very cobbly loam, very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0	10-45	35-70	30-60	20-55	15-40	25-35	10-15
	12-60	Stratified very gravelly fine sandy loam to extremely gravelly loam	GM, GP-GM	A-1	0-5	10-30	10-50	10-40	10-30	5-20	20-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1660 (con.):												
Annaw----------	0-2	Very gravelly loamy sand	GM, SM	A-1	0	0-25	40-60	35-50	25-35	10-15	---	NP
	2-11	Gravelly sandy loam, gravelly fine sandy loam, very gravelly sandy loam	GM, SM	A-1, A-2	0	0-15	50-85	45-75	30-60	15-35	---	NP
	11-60	Stratified extremely gravelly loamy coarse sand to very gravelly loamy sand	GM, GP-GM	A-1	0-5	0-25	20-55	20-45	10-20	5-15	---	NP
Wardenot--------	0-1	Very gravelly loamy sand	GM, SM	A-1	0	0-10	45-60	35-55	20-40	10-15	---	NP
	1-60	Stratified very gravelly fine sandy loam to extremely cobbly loamy sand	GP-GM, GM	A-1	0-5	5-40	25-50	20-45	15-40	5-15	---	NP
1661:												
Minnye----------	0-3	Very cobbly fine sandy loam	GM, SM	A-2, A-1	0-5	25-45	35-75	35-65	25-50	15-30	20-25	NP-5
	3-12	Very cobbly loam, very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0	10-45	35-70	30-60	20-55	15-40	25-35	10-15
	12-60	Stratified very gravelly fine sandy loam to extremely gravelly loam	GM, GP-GM	A-1	0-5	10-30	10-50	10-40	10-30	5-20	20-25	NP-5
Cliffdown-------	0-3	Gravelly sandy loam	SM	A-1, A-2	0	0-5	70-80	65-75	40-50	20-30	0-14	NP
	3-60	Stratified gravelly sandy loam to very gravelly fine sandy loam	GM	A-1, A-2	0	0-5	45-55	40-50	30-40	15-30	0-14	NP
Lyx----------	0-3	Gravelly loamy sand	SP-SM, SM, GP-GM, GM	A-1, A-2, A-3	0	0-5	55-85	50-75	25-55	5-20	---	NP
	3-11	Gravelly sandy loam, very gravelly fine sandy loam	GM, SM, SP-SM, GP-GM	A-1	0	0-10	45-70	40-60	25-50	5-20	20-25	NP-5
	11-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, SP-SM	A-1	0	0-10	30-60	25-50	10-25	5-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1670:												
Logring---------	0-3	Very cobbly fine sandy loam	GM, SM	A-1, A-2	0-10	30-45	50-75	40-65	30-55	15-35	15-25	NP-5
	3-10	Very cobbly loam, very cobbly fine sandy loam, extremely cobbly loam	GM, SM	A-1, A-2	0-10	30-50	50-70	40-60	20-45	15-30	15-25	NP-5
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
Kyler----------	0-3	Extremely cobbly loam	GM, GM-GC	A-1, A-2	0-10	40-50	30-40	25-40	20-35	15-25	15-25	NP-10
	3-9	Very cobbly loam, very gravelly loam	GM, GM-GC, SM, SC-SM	A-2, A-4	0-10	15-40	55-70	50-65	40-60	25-40	15-25	NP-10
	9-13	Unweathered bedrock			0	0	0	0	0	0	---	NP
1680:												
Rock Outcrop.												
Uripnes---------	0-7	Very stony sandy loam	SM	A-1	15-25	5-20	75-90	30-50	25-35	10-25	20-25	NP-5
	7-21	Weathered bedrock			0	0	0	0	0	0	---	NP
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
1681:												
Rock Outcrop.												
Uripnes---------	0-7	Extremely bouldery sandy loam	SM	A-1	40-50	5-20	70-85	30-45	15-30	10-20	20-25	NP-5
	7-21	Weathered bedrock			0	0	0	0	0	0	---	NP
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
Budihol---------	0-2	Extremely bouldery sandy loam	SM	A-1, A-2	15-50	5-10	75-95	65-85	45-60	20-35	20-25	NP-5
	2-14	Gravelly sandy loam, gravelly coarse sandy loam	SM	A-1, A-2	0	0-10	60-80	55-75	35-55	20-35	20-25	NP-5
	14-22	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1691:												
Goldyke---------	0-3	Gravelly sandy loam	SM	A-1, A-2	0	0-10	60-85	55-70	30-50	15-30	20-25	NP-5
	3-6	Gravelly sandy loam, gravelly fine sandy loam	SC-SM, SM	A-2, A-1	0	0	60-80	50-75	40-65	10-35	20-30	NP-10
	6-22	Weathered bedrock			0	0	0	0	0	0	---	NP
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP
Blacktop--------	0-6	Very gravelly sandy loam	GM	A-1	0	5-10	35-60	30-50	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
Koyen----------	0-4	Fine sandy loam	SM	A-4	0	0	90-100	85-100	75-90	35-50	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
1704:												
Leo----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0	65-85	50-75	40-60	20-35	15-25	NP-5
	6-60	Stratified gravelly fine sandy loam to extremely gravelly coarse sand	GM, GP-GM, SP-SM, SM	A-1	0-5	0-25	45-60	40-50	15-35	5-20	---	NP
Izo----------	0-5	Very gravelly sand	GP, GP-GM, SP, SP-SM	A-1	0-5	0-15	35-60	30-50	15-35	0-10	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
1705:												
Leo----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0	65-85	50-75	40-60	20-35	15-25	NP-5
	6-60	Stratified gravelly fine sandy loam to extremely gravelly coarse sand	GM, GP-GM, SP-SM, SM	A-1	0-5	0-25	45-60	40-50	15-35	5-20	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1705 (con.):												
Unsel----------	0-3	Very gravelly fine sandy loam	GM-GC, SC-SM	A-2	0-5	15-30	40-70	35-60	30-50	15-35	20-25	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Lyx----------	0-3	Gravelly loamy sand	SP-SM, SM, GP-GM, GM	A-1, A-2, A-3	0	0-5	55-85	50-75	25-55	5-20	---	NP
	3-11	Gravelly sandy loam, very gravelly fine sandy loam	GM, SM, SP-SM, GP-GM	A-1	0	0-10	45-70	40-60	25-50	5-20	20-25	NP-5
	11-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, SP-SM	A-1	0	0-10	30-60	25-50	10-25	5-10	---	NP
1706:												
Leo----------	0-6	Very gravelly sandy loam	GP-GM, SP-SM, SM, GM	A-1	0	0	45-65	25-50	20-40	5-25	15-25	NP-5
	6-60	Stratified gravelly fine sandy loam to extremely gravelly coarse sand	GM, GP-GM, SP-SM, SM	A-1	0-5	0-25	45-60	40-50	15-35	5-20	---	NP
Zadvar----------	0-6	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	35-50	25-40	15-25	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1741:												
Keefa----------	0-4	Sandy loam	SM	A-2	0	0	90-100	80-100	60-75	25-30	15-25	NP-5
	4-13	Sandy loam, gravelly sandy loam, gravelly coarse sandy loam	SM	A-1, A-2	0	0	85-100	65-100	40-75	20-35	15-25	NP-5
	13-54	Gravelly sandy loam, gravelly coarse sandy loam	SM	A-1, A-2	0	0	75-90	50-75	30-55	15-25	15-25	NP-5
	54-60	Stratified very gravelly sand to gravelly sandy loam	SM	A-1, A-2	0	0	60-90	50-75	30-55	10-15	15-25	NP-5
Koyen----------	0-4	Sandy loam	SM	A-4	0	0	90-95	85-95	50-75	35-50	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
1751:												
Koyen----------	0-4	Gravelly sandy loam	SM	A-2, A-4	0	0	65-90	50-75	40-65	25-40	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
Unsel----------	0-3	Gravelly sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1751 (con.):												
Koyen----------	0-4	Gravelly sandy loam	SM	A-2, A-4	0	0	65-90	50-75	40-65	25-40	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
1753:												
Koyen----------	0-4	Sandy loam	SM	A-4	0	0	90-95	85-95	50-75	35-50	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
Koyen----------	0-4	Sand	SP-SM, SM	A-1, A-2, A-3	0	0	90-100	75-100	40-60	5-15	---	NP
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
1760:												
Vindicator------	0-4	Gravelly sandy loam	SM	A-2, A-4	0	0-10	70-85	65-80	40-50	25-40	20-25	NP-5
	4-14	Very gravelly clay loam, very gravelly loam	GC	A-2	0	0-10	45-60	35-50	30-40	20-35	25-40	10-20
	14-18	Weathered bedrock			0	0	0	0	0	0	---	NP
1790:												
Hooplite--------	0-2	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	45-60	35-50	30-45	10-20	20-30	5-10
	2-8	Very gravelly loam, very gravelly clay loam	GC	A-2, A-6	0	0-15	45-60	35-50	30-45	25-40	30-40	10-15
	8-12	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1790 (con.):												
Theon----------	0-3	Very gravelly sandy loam	GM-GC, GM	A-2, A-1	0-1	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	3-11	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC	A-2	0-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
Old Camp--------	0-6	Very gravelly fine sandy loam	GM, GM-GC	A-1, A-2	0-1	5-10	45-60	35-50	25-40	10-25	15-25	NP-10
	6-12	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam	GC	A-2, A-6	25-50	25-50	40-55	35-50	30-45	25-40	30-40	15-25
	12-16	Unweathered bedrock			0	0	0	0	0	0	---	NP
1792:												
Rock Outcrop.												
Hooplite--------	0-2	Very gravelly loam	GM-GC	A-2	0	0-10	45-60	35-50	30-45	20-35	20-30	5-10
	2-8	Very gravelly loam, very gravelly clay loam	GC	A-2, A-6	0	0-15	45-60	35-50	30-45	25-40	30-40	10-15
	8-12	Unweathered bedrock			0	0	0	0	0	0	---	NP
1800:												
Lyda----------	0-6	Very cobbly fine sandy loam	GM, SM	A-1	0-5	25-40	45-70	40-65	25-45	15-25	15-25	NP-5
	6-14	Very gravelly clay loam, very gravelly sandy clay loam	GC	A-2	0	10-25	50-60	45-55	30-45	20-35	35-40	15-20
	14-16	Indurated			0	0	0	0	0	0	---	NP
	16-60	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1800 (con.):												
Zadvar----------	0-6	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	35-50	25-40	15-25	20-25	NP-5
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
Unsel----------	0-3	Very gravelly fine sandy loam	GM-GC, SC-SM	A-2	0-5	15-30	40-70	35-60	30-50	15-35	20-25	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
1801:												
Lyda----------	0-6	Very cobbly fine sandy loam	GM, SM	A-1	0-5	25-40	45-70	40-65	25-45	15-25	15-25	NP-5
	6-14	Very gravelly clay loam, very gravelly sandy clay loam	GC	A-2	0	10-25	50-60	45-55	30-45	20-35	35-40	15-20
	14-16	Indurated			0	0	0	0	0	0	---	NP
	16-60	Cemented			0	0	0	0	0	0	---	NP
Leo----------	0-6	Very gravelly sandy loam	GP-GM, SP-SM, SM, GM	A-1	0	0	45-65	25-50	20-40	5-25	15-25	NP-5
	6-60	Stratified gravelly fine sandy loam to extremely gravelly coarse sand	GM, GP-GM, SP-SM, SM	A-1	0-5	0-25	45-60	40-50	15-35	5-20	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1801 (con.):												
Zadvar----------	0-6	Cobbly sandy loam	SM	A-2	0-5	15-25	70-80	70-80	50-65	25-35	---	NP
	6-11	Gravelly clay loam, sandy clay loam, gravelly sandy clay loam	GC, CL, SC	A-6	0	0-5	60-90	55-85	45-75	35-60	35-40	15-20
	11-28	Cemented			0	0	0	0	0	0	---	NP
	28-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GM, GP-GM	A-1	0-5	0-15	35-55	25-50	15-35	5-15	---	NP
1802:												
Lyda----------	0-6	Very gravelly fine sandy loam	GM	A-1	0	5-20	35-60	30-55	25-45	10-25	15-25	NP-5
	6-14	Very gravelly clay loam, very gravelly sandy clay loam	GC	A-2	0	10-25	50-60	45-55	30-45	20-35	35-40	15-20
	14-16	Indurated			0	0	0	0	0	0	---	NP
	16-60	Cemented			0	0	0	0	0	0	---	NP
Unsel----------	0-3	Gravelly fine sandy loam	SC-SM	A-2	0	0	75-85	55-75	40-60	25-35	25-30	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Koyen----------	0-4	Sandy loam	SM	A-4	0	0	90-95	85-95	50-75	35-50	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1805:												
Lyda----------	0-6	Very cobbly fine sandy loam	GM, SM	A-1	0-5	25-40	45-70	40-65	25-45	15-25	15-25	NP-5
	6-14	Very gravelly clay loam, very gravelly sandy clay loam	GC	A-2	0	10-25	50-60	45-55	30-45	20-35	35-40	15-20
	14-16	Indurated			0	0	0	0	0	0	---	NP
	16-60	Cemented			0	0	0	0	0	0	---	NP
Unsel----------	0-3	Very gravelly fine sandy loam	GM-GC, SC-SM	A-2	0-5	15-30	40-70	35-60	30-50	15-35	20-25	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
Unsel----------	0-3	Very gravelly fine sandy loam	GM-GC, SC-SM	A-2	0-5	15-30	40-70	35-60	30-50	15-35	20-25	5-10
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
1820:												
Izo----------	0-5	Very gravelly sand	GP, GP-GM, SP, SP-SM	A-1	0-5	0-15	35-60	30-50	15-35	0-10	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
1830:												
Rock Outcrop.												

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1830 (con.):												
Downeyville-----	0-4	Very cobbly fine sandy loam	SC-SM, SM	A-2, A-1	0-5	30-50	70-85	45-65	35-50	15-35	15-25	NP-10
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0-5	10-25	40-60	30-50	25-50	20-40	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
1833:												
Downeyville-----	0-4	Very gravelly sandy loam	SC-SM, SM	A-1, A-2	0	5-20	60-70	30-55	20-45	15-30	15-25	NP-10
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0-5	10-25	40-60	30-50	25-50	20-40	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Blacktop--------	0-6	Very gravelly sandy loam	GM	A-1	0	5-10	35-60	30-50	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
1834:												
Downeyville-----	0-4	Very gravelly sandy loam	SC-SM, SM	A-1, A-2	0	5-20	60-70	30-55	20-45	15-30	15-25	NP-10
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0-5	10-25	40-60	30-50	25-50	20-40	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
Blacktop--------	0-6	Very gravelly sandy loam	GM	A-1	0	5-10	35-60	30-50	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1835:												
Downeyville-----	0-4	Very stony fine sandy loam	SC-SM, SM	A-2, A-1	5-10	30-50	70-85	45-65	35-50	15-35	15-25	NP-10
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0-5	10-25	40-60	30-50	25-50	20-40	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
Goldyke---------	0-3	Gravelly sandy loam	SM	A-1, A-2	0	0-10	60-85	55-70	30-50	15-30	20-25	NP-5
	3-6	Gravelly sandy loam, gravelly fine sandy loam	SC-SM, SM	A-2, A-1	0	0	60-80	50-75	40-65	10-35	20-30	NP-10
	6-22	Weathered bedrock			0	0	0	0	0	0	---	NP
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP
Blacktop--------	0-6	Very stony fine sandy loam	GM	A-1	20-35	10-20	35-65	30-60	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
1840:												
Veet----------	0-5	Very gravelly sandy loam	SM	A-1	0	0-10	60-75	30-50	20-45	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP
Cliffdown-------	0-3	Gravelly sandy loam	SM	A-1, A-2	0	0-5	70-80	65-75	40-50	20-30	0-14	NP
	3-60	Stratified gravelly sandy loam to very gravelly fine sandy loam	GM	A-1, A-2	0	0-5	45-55	40-50	30-40	15-30	0-14	NP
1845:												
Veet----------	0-5	Very gravelly sandy loam	SM	A-1	0	0-10	60-75	30-50	20-45	15-25	15-25	NP-5
	5-20	Very gravelly sandy loam	GM-GC	A-2	0	10-25	40-60	35-55	25-50	15-25	20-25	5-10
	20-60	Stratified extremely gravelly sandy loam to very gravelly loamy coarse sand	GP-GM, GM	A-1	0	10-25	45-55	30-50	15-30	5-15	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1845 (con.):												
Leo----------	0-6	Very gravelly sandy loam	GP-GM, SP-SM, SM, GM	A-1	0	0	45-65	25-50	20-40	5-25	15-25	NP-5
	6-60	Stratified gravelly fine sandy loam to extremely gravelly coarse sand	GM, GP-GM, SP-SM, SM	A-1	0-5	0-25	45-60	40-50	15-35	5-20	---	NP
Minnye----------	0-3	Very gravelly sandy loam	GM	A-1	0	0-10	35-55	30-45	20-30	10-20	15-20	NP-5
	3-12	Very cobbly loam, very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0	10-45	35-70	30-60	20-55	15-40	25-35	10-15
	12-60	Stratified very gravelly fine sandy loam to extremely gravelly loam	GM, GP-GM	A-1	0-5	10-30	10-50	10-40	10-30	5-20	20-25	NP-5
1851:												
Garhill---------	0-1	Very stony loamy fine sand	SM	A-1, A-2	10-20	0-25	65-80	50-75	40-60	15-30	---	NP
	1-4	Fine sandy loam	SM	A-2, A-4	0	0-5	80-90	75-90	55-80	20-40	20-25	NP-5
	4-8	Gravelly loam, gravelly sandy loam	SM, SC-SM, ML, CL-ML	A-4, A-2	0	0-5	70-85	50-75	40-60	30-55	25-35	5-10
	8-15	Indurated			0	0	0	0	0	0	---	NP
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tognoni---------	0-5	Very cobbly fine sandy loam	GM	A-1, A-2	0-5	30-40	45-55	40-50	35-45	20-30	20-25	NP-5
	5-12	Very cobbly clay loam, extremely cobbly clay	GC	A-2, A-7	0-5	30-55	30-60	25-55	20-50	20-45	40-50	20-30
	12-16	Unweathered bedrock			0	0	0	0	0	0	---	NP
1860:												
Rock Outcrop.												
Old Camp--------	0-6	Very gravelly loam	GM, GM-GC	A-1, A-2	0-1	0-15	50-60	35-45	30-40	20-30	15-25	NP-10
	6-12	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam	GC	A-2, A-6	25-50	25-50	40-55	35-50	30-45	25-40	30-40	15-25
	12-16	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1860 (con.):												
Colbar----------	0-11	Cobbly loam	CL-ML	A-4	0	35-45	90-100	85-95	75-85	50-60	20-30	5-10
	11-18	Cobbly loam, gravelly clay loam, cobbly clay loam	CL	A-6	0	10-35	90-95	70-85	60-80	50-65	30-40	10-20
	18-22	Gravelly loam, cobbly loam	SC-SM, CL-ML	A-4	0	5-30	75-95	60-90	55-75	35-55	20-30	5-10
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP
1891:												
Rock Outcrop.												
Blacktop--------	0-6	Very gravelly sandy loam	GM	A-1	0	5-10	35-60	30-50	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
Downeyville-----	0-4	Very gravelly sandy loam	SC-SM, SM	A-1, A-2	0	5-20	60-70	30-55	20-45	15-30	15-25	NP-10
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2, A-6	0-5	10-25	40-60	30-50	25-50	20-40	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP
1900:												
Playas----------	0-6	Silty clay loam	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
1901:												
Playas----------	0-6	Silty clay loam	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
Slaw----------	0-9	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	85-100	75-90	25-35	5-10
	9-60	Stratified very fine sandy loam to silty clay	ML, CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	10-20
1902:												
Slickens--------	0-10	Silt loam	ML	A-4	0	0	100	100	100	80-100	0-14	NP
	10-30	Silt loam, silt	ML	A-4	0	0	100	100	100	80-100	0-14	NP
	30-60	Variable			0	0	0	0	0	0	0-14	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1910:												
Yomba----------	0-4	Gravelly fine sandy loam	SM, GM	A-2	0	0	55-80	50-75	50-65	20-30	15-25	NP-5
	4-16	Sandy loam, fine sandy loam, loam	SC-SM	A-4	0	0	80-100	75-100	70-85	35-50	20-30	5-10
	16-23	Gravelly coarse sandy loam, very gravelly coarse sandy loam, very gravelly sandy loam	GM	A-1	0	0-10	40-60	35-55	20-30	10-20	15-25	NP-5
	23-60	Extremely gravelly sand, very gravelly sand	GP	A-1	0	0-15	25-40	20-35	10-20	0-5	---	NP
1911:												
Yomba----------	0-4	Gravelly fine sandy loam	SM, GM	A-2	0	0	55-80	50-75	50-65	20-30	15-25	NP-5
	4-16	Sandy loam, fine sandy loam, loam	SC-SM	A-4	0	0	80-100	75-100	70-85	35-50	20-30	5-10
	16-23	Gravelly coarse sandy loam, very gravelly coarse sandy loam, very gravelly sandy loam	GM	A-1	0	0-10	40-60	35-55	20-30	10-20	15-25	NP-5
	23-60	Extremely gravelly sand, very gravelly sand	GP	A-1	0	0-15	25-40	20-35	10-20	0-5	---	NP
Playas----------	0-6	Silty clay loam	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
	6-60	Silty clay loam, clay, silty clay	CL, CH, MH	A-7	0	0	100	100	100	90-100	45-75	20-40
Yomba----------	0-4	Gravelly fine sandy loam	SM, GM	A-2	0	0	55-80	50-75	50-65	20-30	15-25	NP-5
	4-16	Sandy loam, fine sandy loam, loam	SC-SM	A-4	0	0	80-100	75-100	70-85	35-50	20-30	5-10
	16-23	Gravelly coarse sandy loam, very gravelly coarse sandy loam, very gravelly sandy loam	GM	A-1	0	0-10	40-60	35-55	20-30	10-20	15-25	NP-5
	23-60	Extremely gravelly sand, very gravelly sand	GP	A-1	0	0-15	25-40	20-35	10-20	0-5	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1930:												
Stonell---------	0-3	Gravelly sandy loam	SM	A-1, A-2, A-4	0	0-5	60-75	55-70	30-60	20-40	20-25	NP-5
	3-9	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC	A-2	0	0-5	35-55	25-50	20-40	15-35	25-35	10-15
	9-60	Stratified very gravelly sandy loam to very gravelly loamy coarse sand	GM, GP-GM	A-1	0	0-5	35-55	25-50	10-25	5-20	---	NP
Wardenot--------	0-1	Very gravelly sandy loam	GM	A-1	0	0-10	45-60	35-55	20-35	10-20	15-20	NP-5
	1-60	Stratified very gravelly fine sandy loam to extremely cobbly loamy sand	GP-GM, GM	A-1	0-5	5-40	25-50	20-45	15-40	5-15	---	NP
Izo----------	0-5	Very gravelly sand	GP, GP-GM, SP, SP-SM	A-1	0-5	0-15	35-60	30-50	15-35	0-10	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
1950:												
Pintwater-------	0-4	Very gravelly fine sandy loam	GM	A-1	0-5	0-10	35-60	30-50	20-40	10-25	20-25	NP-5
	4-15	Very stony fine sandy loam, very cobbly sandy loam, extremely gravelly sandy loam	GM	A-1	5-15	30-45	35-60	30-50	15-35	10-20	20-25	NP-5
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Izo----------	0-5	Stony loamy coarse sand	GP-GM	A-1	1-5	5-10	30-40	25-35	15-25	5-10	---	NP
	5-60	Stratified gravelly loamy coarse sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
1951:												
Rock Outcrop.												

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1951 (con.):												
Pintwater-------	0-4	Very cobbly fine sandy loam	GM, SM	A-2, A-1	0-10	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	4-15	Very cobbly fine sandy loam, very stony fine sandy loam, extremely cobbly fine sandy loam	GM, SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
1953:												
Pintwater-------	0-4	Gravelly fine sandy loam	SM, GM	A-2, A-1	0	0	55-85	50-75	35-55	20-35	20-25	NP-5
	4-15	Very stony fine sandy loam, very cobbly sandy loam, extremely gravelly sandy loam	GM	A-1	5-15	30-45	35-60	30-50	15-35	10-20	20-25	NP-5
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Terlco----------	0-2	Very gravelly sandy loam	GM	A-1	0	0-5	40-60	30-50	25-40	10-25	20-25	NP-5
	2-11	Gravelly clay loam, gravelly loam, gravelly sandy loam	CL, GC, SC	A-6, A-7	0	0-5	65-80	55-75	45-70	35-55	25-45	10-20
	11-18	Very gravelly sandy loam	GM	A-1	0-5	0-30	40-60	35-50	15-40	10-25	20-25	NP-5
	18-60	Very gravelly loamy sand, very gravelly sand, very cobbly loamy sand	SP-SM, SM, GP-GM, GM	A-1	0-5	0-40	45-70	35-50	10-30	5-15	---	NP
1954:												
Pintwater-------	0-4	Very cobbly fine sandy loam	GM, SM	A-2, A-1	0-10	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	4-15	Very cobbly fine sandy loam, very stony fine sandy loam, extremely cobbly fine sandy loam	GM, SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1954 (con.):												
Wardenot--------	0-1	Very gravelly loamy sand	GM, SM	A-1	0	0-10	45-60	35-55	20-40	10-15	---	NP
	1-60	Stratified very gravelly fine sandy loam to extremely cobbly loamy sand	GP-GM, GM	A-1	0-5	5-40	25-50	20-45	15-40	5-15	---	NP
Unsel----------	0-3	Gravelly loam	SC	A-6	0	0	70-80	55-75	45-55	35-45	30-35	10-15
	3-15	Gravelly clay loam, gravelly sandy clay loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
	15-28	Gravelly sandy loam, gravelly sandy clay loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
	28-60	Very gravelly sand, very gravelly loamy sand, extremely gravelly sand	GP-GM, GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
1955:												
Pintwater-------	0-4	Very cobbly fine sandy loam	GM, SM	A-2, A-1	0-10	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	4-15	Very cobbly fine sandy loam, very stony fine sandy loam, extremely cobbly fine sandy loam	GM, SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Stumble---------	0-5	Loamy sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	5-38	Loamy sand, loamy fine sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	38-60	Gravelly loamy sand, gravelly loamy fine sand	SM	A-1, A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
Downeyville-----	0-4	Loamy sand	SM	A-2	0	0-5	95-100	85-100	65-80	25-35	---	NP
	4-10	Very gravelly loam, very gravelly fine sandy loam	GC	A-2	0	5-10	40-60	30-50	25-45	20-35	25-35	10-15
	10-14	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1970:												
Linoyer---------	0-8	Very fine sandy loam	ML	A-4	0	0	100	100	95-100	55-70	15-25	NP-5
	8-54	Very fine sandy loam, silt loam	ML, CL-ML	A-4	0	0	100	100	95-100	80-95	15-30	NP-10
	54-60	Extremely gravelly loamy sand	GM, GP-GM, GP	A-1	0	0	20-40	10-25	5-20	0-15	15-20	NP
Rebel----------	0-9	Sandy loam	SM	A-2	0	0	100	80-100	50-60	20-35	20-25	NP-5
	9-60	Loam, fine sandy loam, sandy loam	ML	A-4	0	0	100	85-95	70-80	50-60	20-30	NP-5
1990:												
Tognoni---------	0-5	Extremely cobbly fine sandy loam	GP-GM, GM	A-1	0-5	40-55	25-45	20-40	15-35	5-25	20-25	NP-5
	5-12	Very cobbly clay loam, extremely cobbly clay	GC	A-2, A-7	0-5	30-55	30-60	25-55	20-50	20-45	40-50	20-30
	12-16	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tognoni---------	0-5	Very cobbly fine sandy loam	GM	A-1, A-2	0-5	30-40	45-55	40-50	35-45	20-30	20-25	NP-5
	5-12	Very cobbly clay loam, extremely cobbly clay	GC	A-2, A-7	0-5	30-55	30-60	25-55	20-50	20-45	40-50	20-30
	12-16	Unweathered bedrock			0	0	0	0	0	0	---	NP
Blacktop--------	0-6	Very stony fine sandy loam	GM	A-1	20-35	10-20	35-65	30-60	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
2040:												
Rock Outcrop.												
Silverbow-------	0-2	Very stony fine sandy loam	GM	A-1, A-2	5-15	5-25	40-55	35-50	25-45	15-30	20-25	NP-5
	2-12	Very stony clay loam, extremely cobbly sandy clay loam, very cobbly clay loam	GC	A-2, A-6	5-15	30-45	35-55	30-50	25-50	15-40	25-40	10-20
	12-19	Indurated			0	0	0	0	0	0	---	NP
	19-36	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2080:												
Maggie----------	0-4	Very gravelly loam	GM, GM-GC	A-1, A-2	0	0-10	30-55	25-50	20-35	15-30	20-30	NP-10
	4-8	Very gravelly fine sandy loam, very gravelly sandy clay loam, very gravelly loam	GC	A-2	0	0	30-55	25-45	20-40	15-35	25-35	10-15
	8-12	Very gravelly sandy loam, very gravelly loamy sand	GP-GM, GP-GC, GM-GC, GM	A-1, A-2	0	0	30-55	25-50	15-35	5-20	20-30	NP-10
	12-22	Indurated			0	0	0	0	0	0	---	NP
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pintwater-------	0-4	Very cobbly fine sandy loam	GM, SM	A-2, A-1	0-10	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	4-15	Very cobbly fine sandy loam, very stony fine sandy loam, extremely cobbly fine sandy loam	GM, SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Izo----------	0-5	Stony loamy coarse sand	GP-GM	A-1	1-5	5-10	30-40	25-35	15-25	5-10	---	NP
	5-60	Stratified gravelly loamy coarse sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
2081:												
Maggie----------	0-4	Very gravelly loam	GM, GM-GC	A-1, A-2	0	0-10	30-55	25-50	20-35	15-30	20-30	NP-10
	4-8	Very gravelly fine sandy loam, very gravelly sandy clay loam, very gravelly loam	GC	A-2	0	0	30-55	25-45	20-40	15-35	25-35	10-15
	8-12	Very gravelly sandy loam, very gravelly loamy sand	GP-GM, GP-GC, GM-GC, GM	A-1, A-2	0	0	30-55	25-50	15-35	5-20	20-30	NP-10
	12-22	Indurated			0	0	0	0	0	0	---	NP
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2081 (con.):												
Stewval---------	0-1	Very gravelly fine sandy loam	GM-GC	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Extremely gravelly loam, very gravelly clay loam, very gravelly loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pintwater-------	0-4	Very gravelly fine sandy loam	GM	A-1	0-5	0-10	35-60	30-50	20-40	10-25	20-25	NP-5
	4-15	Very stony fine sandy loam, very cobbly sandy loam, extremely gravelly sandy loam	GM	A-1	5-15	30-45	35-60	30-50	15-35	10-20	20-25	NP-5
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
2100:												
Rock Outcrop.												
Blappert--------	0-3	Very gravelly sandy loam	SM	A-1	0	0-15	70-85	30-50	20-35	10-20	20-25	NP-5
	3-9	Very gravelly sandy clay loam, very gravelly coarse sandy loam	SC-SM, SC	A-2	0	0-15	70-85	30-50	20-45	15-35	25-35	5-15
	9-13	Weathered bedrock			0	0	0	0	0	0	---	NP
2110:												
Luning----------	0-3	Loamy sand	SM	A-2	0	0	100	90-100	70-85	20-35	---	NP
	3-60	Stratified sandy loam to very gravelly coarse sand	SM	A-1, A-2	0-10	0	75-95	55-90	45-80	10-30	---	NP
Hawsley---------	0-4	Loamy sand	SM	A-2	0	0	100	90-100	60-75	20-35	---	NP
	4-60	Stratified fine sand to coarse sand	SM, SP-SM	A-2, A-3	0	0	85-100	75-100	55-70	5-25	---	NP
Bluewing--------	0-3	Very gravelly loamy sand	GP-GM	A-1	0	0-15	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified very gravelly sand to extremely gravelly loamy coarse sand	GP-GM	A-1	0	10-25	30-40	25-35	15-25	5-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2111:												
Luning----------	0-3	Loamy sand	SM	A-2	0	0	100	90-100	70-85	20-35	---	NP
	3-60	Stratified sandy loam to very gravelly coarse sand	SM	A-1, A-2	0-10	0	75-95	55-90	45-80	10-30	---	NP
Izo----------	0-5	Very gravelly sand	GP, GP-GM, SP, SP-SM	A-1	0-5	0-15	35-60	30-50	15-35	0-10	---	NP
	5-60	Stratified gravelly loamy sand to extremely gravelly coarse sand	GP, GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
2120:												
Tert----------	0-5	Loam	CL, CL-ML	A-4, A-6	0	0	80-100	75-100	70-95	50-65	25-35	5-15
	5-9	Unweathered bedrock			0	0	0	0	0	0	---	NP
Whilphang-------	0-7	Sandy loam	SM, SC-SM	A-2	0	0	85-95	75-90	50-70	25-35	20-30	NP-10
	7-12	Gravelly loam	SM, SC-SM, GM, GM-GC	A-2, A-4	0	0-5	65-85	50-75	40-55	30-40	20-30	NP-10
	12-16	Weathered bedrock			0	0	0	0	0	0	---	NP
Geer----------	0-4	Fine sandy loam	SM, ML	A-4	0	0	100	95-100	85-95	40-65	15-25	NP-5
	4-60	Stratified fine sandy loam to very fine sandy loam	SM, ML	A-4	0	0	85-100	85-100	80-95	40-75	15-25	NP-5
2121:												
Tert----------	0-5	Loam	CL, CL-ML	A-4, A-6	0	0	80-100	75-100	70-95	50-65	25-35	5-15
	5-9	Unweathered bedrock			0	0	0	0	0	0	---	NP
Roic----------	0-1	Gravelly sandy loam	GM, SM	A-1, A-2	0	0-5	60-80	50-75	35-55	15-30	---	NP
	1-5	Very fine sandy loam, fine sandy loam, loam	CL-ML, SC-SM, ML, SM	A-4	0	0	90-100	80-100	70-90	35-70	20-30	NP-10
	5-9	Weathered bedrock			0	0	0	0	0	0	---	NP
2130:												
Roic----------	0-1	Gravelly sandy loam	GM, SM	A-1, A-2	0	0-5	60-80	50-75	35-55	15-30	---	NP
	1-5	Very fine sandy loam, fine sandy loam, loam	CL-ML, SC-SM, ML, SM	A-4	0	0	90-100	80-100	70-90	35-70	20-30	NP-10
	5-9	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2130 (con.):												
Koyen----------	0-4	Gravelly sandy loam	SM	A-2, A-4	0	0	65-90	50-75	40-65	25-40	15-25	NP-5
	4-27	Stratified loam to gravelly loamy sand	SM	A-2, A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	27-60	Gravelly loamy sand, very gravelly loamy sand	GP-GM, GM, SP-SM, SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
2131:												
Rock Outcrop.												
Roic----------	0-1	Very gravelly fine sandy loam	GM	A-1, A-2	0	0-5	40-60	30-50	20-40	15-30	20-25	NP-5
	1-5	Very fine sandy loam, fine sandy loam, loam	CL-ML, SC-SM, ML, SM	A-4	0	0	90-100	80-100	70-90	35-70	20-30	NP-10
	5-9	Weathered bedrock			0	0	0	0	0	0	---	NP
Vindicator------	0-4	Gravelly sandy loam	SM	A-2, A-4	0	0-10	70-85	65-80	40-50	25-40	20-25	NP-5
	4-14	Very gravelly clay loam, very gravelly loam	GC	A-2	0	0-10	45-60	35-50	30-40	20-35	25-40	10-20
	14-18	Weathered bedrock			0	0	0	0	0	0	---	NP
2140:												
Advokay---------	0-5	Gravelly coarse sandy loam	GM, SM	A-1, A-2	0	0	55-80	50-75	25-50	15-30	20-25	NP-5
	5-9	Gravelly sandy clay loam	SC, GC	A-2	0	0	55-80	50-75	30-55	20-35	30-40	10-15
	9-13	Weathered bedrock			0	0	0	0	0	0	---	NP
Blacktop--------	0-6	Very gravelly fine sandy loam	GM	A-1	0	5-10	35-60	30-50	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
Itme----------	0-4	Gravelly loamy sand	SM	A-1	0	0-5	85-95	60-75	35-50	15-20	---	NP
	4-60	Very gravelly loamy sand, very gravelly sand	SP-SM, SM, SP	A-1	0-5	0-25	65-85	25-50	10-30	0-15	---	NP
2141:												
Advokay---------	0-5	Gravelly coarse sandy loam	GM, SM	A-1, A-2	0	0	55-80	50-75	25-50	15-30	20-25	NP-5
	5-9	Gravelly sandy clay loam	SC, GC	A-2	0	0	55-80	50-75	30-55	20-35	30-40	10-15
	9-13	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2141 (con.):												
Blacktop--------	0-6	Very gravelly fine sandy loam	GM	A-1	0	5-10	35-60	30-50	20-40	10-25	20-30	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
2150:												
Gynelle---------	0-3	Very gravelly loamy sand	SM, SP-SM, GM, GP-GM	A-1	0	0-10	40-60	30-50	15-35	5-15	---	NP
	3-60	Stratified very gravelly sandy loam to extremely cobbly coarse sand	SM, GM	A-1	0	15-40	50-70	35-60	20-40	10-20	---	NP
2170:												
Lathrop---------	0-5	Very stony fine sandy loam	SC-SM, GM-GC, SM, GM	A-1, A-2	5-25	25-45	50-75	45-65	30-50	20-30	20-30	NP-10
	5-11	Gravelly sandy clay loam, clay loam, loam	SC, GC, CL	A-6	0-5	0-15	60-95	55-85	50-75	35-55	30-40	10-15
	11-30	Very gravelly loamy coarse sand, extremely cobbly loamy sand, very cobbly sand	SP-SM, GP, SP, GP-GM	A-1	0-10	15-65	15-60	10-40	5-25	0-10	---	NP
	30-60	Extremely gravelly coarse sand, very cobbly sand, extremely cobbly sand	GP, SP	A-1	0-10	15-65	15-60	10-40	5-25	0-5	---	NP
Leo----------	0-6	Very gravelly sandy loam	GP-GM, SP-SM, SM, GM	A-1	0	0	45-65	25-50	20-40	5-25	15-25	NP-5
	6-60	Stratified gravelly fine sandy loam to extremely gravelly coarse sand	GM, GP-GM, SP-SM, SM	A-1	0-5	0-25	45-60	40-50	15-35	5-20	---	NP
2180:												
Armoine---------	0-5	Very gravelly sandy loam	SM	A-1	0-5	5-10	70-85	30-50	20-35	10-20	15-20	NP-5
	5-15	Very gravelly sandy clay loam, very gravelly sandy loam	SC-SM, SM	A-2	0-5	0-5	70-85	30-50	25-45	15-35	25-35	5-10
	15-19	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2180 (con.):												
Beelem----------	0-3	Gravelly sandy loam	SM	A-2	0	0-10	80-90	55-75	40-50	25-35	20-25	NP-5
	3-6	Gravelly sandy loam	SM	A-2	0	0-10	80-90	55-75	40-50	25-35	20-25	NP-5
	6-10	Unweathered bedrock			0	0	0	0	0	0	---	NP
2181:												
Rock Outcrop.												
Armoine---------	0-5	Very gravelly sandy loam	SM	A-1	0-5	5-10	70-85	30-50	20-35	10-20	15-20	NP-5
	5-15	Very gravelly sandy clay loam, very gravelly sandy loam	SC-SM, SM	A-2	0-5	0-5	70-85	30-50	25-45	15-35	25-35	5-10
	15-19	Weathered bedrock			0	0	0	0	0	0	---	NP
2220:												
Enko----------	0-5	Sandy loam	SC-SM	A-4	0	0	95-100	85-100	60-75	35-50	20-30	5-10
	5-15	Loam, sandy loam, fine sandy loam	SC-SM, CL-ML	A-4	0	0	95-100	85-100	60-90	35-70	20-30	5-10
	15-31	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-4	0	0	95-100	85-100	75-90	40-65	20-25	5-10
	31-60	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10
Orovada---------	0-5	Fine sandy loam	SM	A-2, A-4	0	0	95-100	90-100	75-95	30-50	---	NP
	5-22	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-100	60-80	40-60	20-30	NP-5
	22-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-100	60-85	35-55	20-30	NP-5
2230:												
Rotinom---------	0-8	Silt loam	ML	A-4	0	0	95-100	95-100	95-100	75-90	30-40	5-10
	8-60	Silt loam	ML	A-4, A-5	0	0	95-100	95-100	95-100	75-90	35-45	5-10
Wholan----------	0-4	Very fine sandy loam	ML	A-4	0	0	100	100	95-100	75-80	15-25	NP-5
	4-60	Very fine sandy loam, silt loam	ML	A-4	0	0	100	100	95-100	75-90	20-30	NP-5
Wholan----------	0-4	Very fine sandy loam	ML	A-4	0	0	100	100	95-100	75-80	15-25	NP-5
	4-60	Very fine sandy loam, silt loam	ML	A-4	0	0	100	100	95-100	75-90	20-30	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2240:												
Unius----------	0-5	Gravelly silt loam	CL	A-6	0	0	85-100	65-75	60-70	55-65	25-35	10-15
	5-11	Silt loam, loam, gravelly loam	CL, GC	A-6	0	0	65-100	60-100	55-80	45-70	25-35	10-15
	11-24	Cemented			0	0	0	0	0	0	---	NP
	24-60	Gravelly loamy sand	SM	A-1	0	0	60-80	55-75	20-30	10-20	0-14	NP
Orovada---------	0-5	Fine sandy loam	SM	A-2, A-4	0	0	95-100	90-100	75-95	30-50	---	NP
	5-22	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-95	60-80	40-60	20-30	NP-5
	22-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-95	60-85	35-55	20-30	NP-5
2241:												
Unius----------	0-5	Gravelly silt loam	CL	A-6	0	0	85-100	65-75	60-70	55-65	25-35	10-15
	5-11	Silt loam, loam, gravelly loam	CL, GC	A-6	0	0	65-100	60-100	55-80	45-70	25-35	10-15
	11-24	Cemented			0	0	0	0	0	0	---	NP
	24-60	Gravelly loamy sand	SM	A-1	0	0	60-80	55-75	20-30	10-20	0-14	NP
Defler----------	0-3	Gravelly fine sandy loam	GM, SM	A-2, A-4, A-1	0	0-5	55-80	50-75	40-60	20-40	15-25	NP-5
	3-20	Very gravelly fine sandy loam, very gravelly loam, very gravelly sandy loam	GM	A-1, A-2	0	0-10	30-55	25-50	15-40	10-30	15-25	NP-5
	20-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, GM	A-1	0	0-10	25-40	20-35	10-20	5-15	---	NP
2250:												
Muni----------	0-5	Fine sandy loam	SC-SM	A-4	0	0	90-100	85-95	75-90	35-50	20-25	5-10
	5-14	Sandy clay loam, clay loam, loam	CL	A-6	0	0	90-100	85-95	70-80	50-60	30-40	10-20
	14-29	Cemented			0	0	0	0	0	0	---	NP
	29-60	Very gravelly loamy sand	GM, SM	A-1	0	0-10	50-65	35-55	20-30	10-20	0-14	NP
Orovada---------	0-5	Fine sandy loam	SM	A-2, A-4	0	0	95-100	90-100	75-95	30-50	---	NP
	5-22	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-95	60-80	40-60	20-30	NP-5
	22-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-95	60-85	35-55	20-30	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2250 (con.):												
Unius----------	0-5	Gravelly silt loam	CL	A-6	0	0	85-100	65-75	60-70	55-65	25-35	10-15
	5-11	Silt loam, loam, gravelly loam	CL, GC	A-6	0	0	65-100	60-100	55-80	45-70	25-35	10-15
	11-24	Cemented			0	0	0	0	0	0	---	NP
	24-60	Gravelly loamy sand	SM	A-1	0	0	60-80	55-75	20-30	10-20	0-14	NP
2252:												
Muni----------	0-5	Gravelly sandy loam	SC-SM	A-2	0	0	80-90	60-75	50-65	25-35	20-25	5-10
	5-14	Sandy clay loam, clay loam, loam	CL	A-6	0	0	90-100	85-95	70-80	50-60	30-40	10-20
	14-29	Cemented			0	0	0	0	0	0	---	NP
	29-60	Very gravelly loamy sand	GM, SM	A-1	0	0-10	50-65	35-55	20-30	10-20	0-14	NP
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
Rebel----------	0-9	Very fine sandy loam	ML	A-4	0	0	100	90-100	80-100	50-80	20-25	NP-5
	9-60	Loam, fine sandy loam, sandy loam	ML	A-4	0	0	100	85-95	70-80	50-60	20-30	NP-5
2271:												
Buffaran--------	0-4	Cobbly loam	SC, CL	A-6	0-1	15-30	75-90	75-85	50-75	40-60	25-35	10-15
	4-15	Gravelly clay loam, gravelly clay, clay	CL, CH	A-7	0	0-5	75-90	70-85	65-80	50-65	40-55	20-30
	15-29	Indurated			0	0	0	0	0	0	---	NP
	29-60	Cemented			0	0	0	0	0	0	---	NP
Wieland---------	0-8	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-85	50-75	45-70	35-60	25-35	10-15
	8-23	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	50-90	50-80	45-75	50-60	25-35
	23-36	Gravelly sandy clay loam, gravelly clay loam	GC, SC	A-6, A-2	0	0-5	60-85	50-70	40-70	25-50	35-40	15-20
	36-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
2272:												
Buffaran--------	0-4	Gravelly loam	GC, SC	A-6	0	0-5	65-80	55-70	45-60	35-50	25-35	10-15
	4-15	Gravelly clay, gravelly clay loam, clay	CL, CH	A-7	0	0-5	75-90	70-85	65-80	50-65	40-55	20-30
	15-29	Indurated			0	0	0	0	0	0	---	NP
	29-60	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2272 (con.):												
Pineval---------	0-4	Gravelly loam	CL-ML, GM-GC	A-4	0	0	65-85	60-75	45-65	40-55	20-30	5-10
	4-13	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	GC	A-2	0	0	35-60	25-50	20-40	15-35	30-40	10-15
	13-60	Stratified very gravelly sandy loam to extremely gravelly sand	GP-GM, GM	A-1	0	0-25	30-60	20-50	15-40	5-20	---	NP
2290:												
Spasprey--------	0-5	Gravelly fine sandy loam	SM, SC-SM	A-1, A-2	0	0-5	70-90	55-70	45-60	20-35	15-25	NP-10
	5-21	Loam, clay loam, sandy clay loam	CL, SC	A-6	0	0-5	95-100	90-100	70-95	45-65	30-40	10-20
	21-32	Cemented			0	0	0	0	0	0	---	NP
	32-60	Fine sandy loam, sandy loam, loamy sand	SM	A-2	0	0	90-100	85-95	50-65	15-30	---	NP
Alley----------	0-6	Gravelly loam	SC-SM, SM, GM-GC, GM	A-4	0	0-5	60-85	50-75	45-60	40-50	20-30	NP-10
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
2291:												
Spasprey--------	0-5	Gravelly fine sandy loam	SM, SC-SM	A-1, A-2	0	0-5	70-90	55-70	45-60	20-35	15-25	NP-10
	5-21	Loam, clay loam, sandy clay loam	CL, SC	A-6	0	0-5	95-100	90-100	70-95	45-65	30-40	10-20
	21-32	Cemented			0	0	0	0	0	0	---	NP
	32-60	Fine sandy loam, sandy loam, loamy sand	SM	A-2	0	0	90-100	85-95	50-65	15-30	---	NP
Buffaran--------	0-4	Very gravelly fine sandy loam	GM-GC	A-2	0	0-5	40-55	30-45	25-40	15-25	20-30	5-10
	4-15	Gravelly clay, gravelly clay loam, clay	CL, CH	A-7	0	0-5	75-90	70-85	65-80	50-65	40-55	20-30
	15-29	Indurated			0	0	0	0	0	0	---	NP
	29-60	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2291 (con.):												
Orovada---------	0-5	Fine sandy loam	SM	A-2, A-4	0	0	95-100	90-100	75-95	30-50	---	NP
	5-22	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-95	60-80	40-60	20-30	NP-5
	22-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-95	60-85	35-55	20-30	NP-5
2300:												
Kelk----------	0-6	Very fine sandy loam	CL-ML	A-4	0	0	100	100	90-95	65-75	25-30	5-10
	6-42	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-35	5-15
	42-60	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	90-100	80-95	25-35	5-15
Settlemeyer-----	0-3	Fine sandy loam	SM	A-2	0	0	90-100	80-95	70-85	20-35	20-25	NP-5
	3-20	Silty clay loam, clay loam	CL	A-6	0	0	100	100	80-100	75-85	35-40	15-20
	20-60	Stratified very gravelly loamy sand to silty clay loam	GC, CL, GM-GC, CL-ML	A-4, A-6	0	0-5	60-90	60-85	45-80	35-60	15-25	5-15
2320:												
Rosney----------	0-3	Silt loam	ML	A-4	0	0	100	100	95-100	85-90	20-25	NP-5
	3-15	Silt loam	CL-ML	A-4	0	0	100	100	95-100	80-95	20-30	5-10
	15-60	Stratified silt loam to silty clay	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	15-20
Kelk----------	0-6	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	75-90	25-35	5-15
	6-42	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-35	5-15
	42-60	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	90-100	80-95	25-35	5-15
Kelk----------	0-6	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	85-95	25-35	5-15
	6-42	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-35	5-15
	42-60	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	85-100	75-95	25-35	5-15
2321:												
Rosney----------	0-3	Silt loam	ML	A-4	0	0	100	100	95-100	85-90	20-25	NP-5
	3-15	Silt loam	CL-ML	A-4	0	0	100	100	95-100	80-95	20-30	5-10
	15-60	Stratified silt loam to silty clay	CL	A-6, A-7	0	0	100	100	95-100	85-95	35-45	15-20
Dunphy----------	0-15	Silt loam	ML	A-4	0	0	95-100	95-100	85-95	80-90	30-35	NP-5
	15-30	Stratified sandy loam to silty clay loam	ML	A-4	0	0	95-100	95-100	80-90	50-60	25-30	NP-5
	30-45	Stratified gravelly sand to silt loam	SM	A-2, A-4	0	0	85-95	75-90	50-60	30-40	---	NP
	45-60	Gravelly sand, very gravelly sand	GP, GW, SP, SW	A-1	0	0	40-60	30-55	20-30	0-5	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2321 (con.):												
Paranat---------	0-18	Silt loam	ML	A-4	0	0	100	100	95-100	85-100	25-35	NP-10
	18-38	Stratified silt loam to silty clay loam	CL, ML	A-4, A-6	0	0	100	100	95-100	90-100	30-40	5-15
	38-60	Stratified very fine sandy loam to silty clay	CL, ML	A-4, A-6	0	0	100	100	85-95	75-90	30-40	5-15
2330:												
Cliffdown-------	0-3	Gravelly sandy loam	SM	A-1, A-2	0	0-5	70-80	65-75	40-50	20-30	0-14	NP
	3-60	Stratified gravelly sandy loam to very gravelly fine sandy loam	GM	A-1, A-2	0	0-5	45-55	40-50	30-40	15-30	0-14	NP
Lyx----------	0-3	Gravelly loamy sand	SP-SM, SM, GP-GM, GM	A-1, A-2, A-3	0	0-5	55-85	50-75	25-55	5-20	---	NP
	3-11	Gravelly sandy loam, very gravelly fine sandy loam	GM, SM, SP-SM, GP-GM	A-1	0	0-10	45-70	40-60	25-50	5-20	20-25	NP-5
	11-60	Stratified very gravelly sandy loam to extremely gravelly coarse sand	GP-GM, SP-SM	A-1	0	0-10	30-60	25-50	10-25	5-10	---	NP
2340:												
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
Portmount-------	0-4	Sandy loam	SM	A-2	0	0-5	85-95	80-90	50-60	25-35	20-25	NP-5
	4-12	Sandy clay loam, sandy loam	SC, SC-SM	A-2, A-4, A-6	0	0-5	85-100	80-95	55-70	30-40	25-35	5-15
	12-60	Gravelly sandy loam	SM, GM	A-1	0	0-10	60-80	50-70	30-40	15-25	20-25	NP-5
Rebel----------	0-9	Sandy loam	SM	A-2	0	0	95-100	90-100	50-65	20-35	20-25	NP-5
	9-60	Fine sandy loam, sandy loam, loam	CL-ML, ML	A-4	0	0	100	85-95	70-80	50-60	20-30	NP-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2341:												
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
Wiffo----------	0-9	Very gravelly loam	GM, GM-GC	A-2, A-1	0	0-10	40-55	35-50	30-45	20-35	15-25	NP-10
	9-25	Very gravelly sandy loam, extremely gravelly sandy loam	GP-GM, GM	A-1	0-15	0-30	20-40	15-35	10-25	5-15	15-20	NP-5
	25-60	Stratified extremely gravelly sandy loam to very gravelly coarse sand	GP-GM, GM	A-1	0-10	0-30	20-40	15-35	10-20	5-15	15-20	NP-5
Wrango----------	0-2	Gravelly fine sandy loam	GM, SM	A-2, A-4	0	0-5	60-80	55-75	45-60	25-40	---	NP
	2-12	Gravelly fine sandy loam	SM, GM	A-2	0	0-5	60-80	55-75	35-55	25-35	---	NP
	12-60	Extremely gravelly loamy coarse sand, extremely gravelly sand, extremely gravelly loamy sand	GP, GP-GM, GM	A-1	0-5	5-40	25-40	15-30	5-20	0-15	---	NP
2342:												
Alley----------	0-6	Gravelly loam	SC-SM, SM, GM-GC, GM	A-4	0	0-5	60-85	50-75	45-60	40-50	20-30	NP-10
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
Kelk----------	0-6	Very fine sandy loam	CL-ML	A-4	0	0	100	100	90-95	65-75	25-30	5-10
	6-42	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-35	5-15
	42-60	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	90-100	80-95	25-35	5-15
2343:												
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2343 (con.):												
Pineval---------	0-4	Gravelly loam	CL-ML, GM-GC	A-4	0	0	65-85	60-75	45-65	40-55	20-30	5-10
	4-13	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	GC	A-2	0	0	35-60	25-50	20-40	15-35	30-40	10-15
	13-60	Stratified very gravelly sandy loam to extremely gravelly sand	GP-GM, GM	A-1	0	0-25	30-60	20-50	15-40	5-20	---	NP
Portmount-------	0-4	Gravelly sandy loam	SM	A-1, A-2	0	0-5	65-75	55-70	35-45	20-30	0-14	NP
	4-12	Sandy clay loam, sandy loam	SC, SC-SM	A-2, A-4, A-6	0	0-5	85-100	80-95	55-70	30-40	25-35	5-15
	12-60	Gravelly sandy loam	SM, GM	A-1	0	0-10	60-80	50-70	30-40	15-25	20-25	NP-5
2344:												
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
Buffaran--------	0-4	Gravelly loam	GC, SC	A-6	0	0-5	65-80	55-70	45-60	35-50	25-35	10-15
	4-15	Gravelly clay, gravelly clay loam, clay	CL, CH	A-7	0	0-5	75-90	70-85	65-80	50-65	40-55	20-30
	15-29	Indurated			0	0	0	0	0	0	---	NP
	29-60	Cemented			0	0	0	0	0	0	---	NP
Spasprey--------	0-5	Gravelly fine sandy loam	SM, SC-SM	A-1, A-2	0	0-5	70-90	55-70	45-60	20-35	15-25	NP-10
	5-21	Loam, clay loam, sandy clay loam	CL, SC	A-6	0	0-5	95-100	90-100	70-95	45-65	30-40	10-20
	21-32	Cemented			0	0	0	0	0	0	---	NP
	32-60	Fine sandy loam, sandy loam, loamy sand	SM	A-2	0	0	90-100	85-95	50-65	15-30	---	NP
2345:												
Alley----------	0-6	Gravelly loam	SC-SM, SM, GM-GC, GM	A-4	0	0-5	60-85	50-75	45-60	40-50	20-30	NP-10
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2345 (con.):												
Wieland---------	0-8	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-85	50-75	45-70	35-60	25-35	10-15
	8-23	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	50-90	50-80	45-75	50-60	25-35
	23-36	Gravelly sandy clay loam, gravelly clay loam	GC, SC	A-6, A-2	0	0-5	60-85	50-70	40-70	25-50	35-40	15-20
	36-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
Pineval---------	0-4	Gravelly loam	CL-ML, GM-GC	A-4	0	0	65-85	60-75	45-65	40-55	20-30	5-10
	4-13	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	GC	A-2	0	0	35-60	25-50	20-40	15-35	30-40	10-15
	13-60	Stratified very gravelly sandy loam to extremely gravelly sand	GP-GM, GM	A-1	0	0-25	30-60	20-50	15-40	5-20	---	NP
2360:												
Dewar----------	0-3	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-90	55-80	45-80	35-70	25-35	10-15
	3-7	Gravelly silty clay loam, gravelly clay loam	GC, CL	A-6, A-7	0	0-10	65-90	60-80	55-80	45-75	35-45	15-20
	7-15	Gravelly silt loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0	0-10	65-90	60-80	55-80	40-70	25-35	5-15
	15-44	Indurated			0	0	0	0	0	0	---	NP
	44-60	Cemented			0	0	0	0	0	0	---	NP
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
2361:												
Dewar----------	0-3	Cobbly loam	CL-ML	A-4	0-5	15-40	85-95	80-90	65-80	50-65	25-30	5-10
	3-15	Cobbly silty clay loam	CL	A-6, A-7	0-5	25-30	85-95	80-90	75-90	65-85	35-45	15-20
	15-60	Indurated			0	0	0	0	0	0	---	NP
Shabliss--------	0-6	Gravelly loam	GM	A-4	0	0-5	60-75	55-70	40-60	35-50	20-25	NP-5
	6-12	Loam, very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	50-65	15-20	NP-5
	12-16	Cemented			0	0	0	0	0	0	---	NP
	16-60	Very gravelly loamy sand	GM	A-1	0	0-15	35-55	30-50	15-30	10-20	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2361 (con.):												
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
2400:												
Zaidy----------	0-4	Very gravelly fine sandy loam	GM-GC, GM	A-2, A-1	0	10-15	50-65	40-55	35-50	20-30	20-30	NP-10
	4-22	Loam, clay loam, gravelly clay loam	SC, CL	A-6	0	0	75-90	60-85	55-70	45-60	30-40	10-15
	22-60	Cemented			0	0	0	0	0	0	---	NP
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
Portmount-------	0-4	Gravelly sandy loam	SM	A-1, A-2	0	0-5	65-75	55-70	35-45	20-30	0-14	NP
	4-12	Sandy clay loam, sandy loam	SC, SC-SM	A-2, A-4, A-6	0	0-5	85-100	80-95	55-70	30-40	25-35	5-15
	12-60	Gravelly sandy loam	SM, GM	A-1	0	0-10	60-80	50-70	30-40	15-25	20-25	NP-5
2401:												
Zaidy----------	0-4	Very gravelly fine sandy loam	GM-GC, GM	A-2, A-1	0	10-15	50-65	40-55	35-50	20-30	20-30	NP-10
	4-22	Loam, clay loam, gravelly clay loam	SC, CL	A-6	0	0	75-90	60-85	55-70	45-60	30-40	10-15
	22-60	Cemented			0	0	0	0	0	0	---	NP
Ricert----------	0-6	Gravelly sandy loam	SM, SC-SM	A-2, A-4	0	0	65-80	50-75	40-60	25-40	20-30	NP-10
	6-18	Loam, clay loam	CL	A-6, A-7	0	0	90-100	85-100	80-90	70-80	35-45	15-20
	18-31	Loam, silt loam, clay loam	CL	A-6	0	0-5	85-100	80-95	60-75	50-70	30-40	10-15
	31-60	Very gravelly sandy loam, very gravelly loamy sand, extremely gravelly loamy sand	GM, GP-GM	A-1	0	0-15	30-60	20-50	15-35	5-25	0-14	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2401 (con.):												
Alley----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0-5	75-85	65-75	40-50	20-30	---	NP
	6-16	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	16-60	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
2410:												
Settlemeyer-----	0-20	Silt loam	CL-ML, ML	A-4	0	0	100	95-100	80-90	70-85	25-35	5-10
	20-60	Stratified clay to sandy loam	CL	A-6	0	0	100	95-100	75-90	60-80	25-40	10-20
2430:												
Rose Creek------	0-11	Loam	SM, ML	A-4	0	0-5	90-100	80-95	65-80	45-55	25-30	NP-5
	11-60	Stratified gravelly sand to silt loam	SM	A-2, A-4	0	0-5	85-100	70-95	50-70	30-40	20-25	NP-5
2431:												
Rose Creek------	0-11	Loam	ML	A-4	0	0	95-100	90-100	80-90	60-70	25-30	NP-5
	11-60	Stratified gravelly sand to silt loam	SM	A-2, A-4	0	0	85-100	70-95	50-70	30-50	20-25	NP-5
2440:												
Paranat---------	0-18	Silt loam	ML	A-4	0	0	100	100	95-100	85-100	25-35	NP-10
	18-38	Stratified silt loam to silty clay loam	CL, ML	A-4, A-6	0	0	100	100	95-100	90-100	30-40	5-15
	38-60	Stratified very fine sandy loam to silty clay	CL, ML	A-4, A-6	0	0	100	100	85-95	75-90	30-40	5-15

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodability index" apply only to the surface layer)

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1000:												
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1001:												
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Koyen----------	0-4	0-6	1.45-1.65	6.00-20.00	0.04-0.06	Low	0.5-0.7	0.15	0.17	4	1	220
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.35-1.55	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1004:												
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Eastgate--------	0-5	3-6	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.10	0.20	2	3	86
	5-17	8-12	1.45-1.65	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.15	0.20			
	17-25	2-8	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.20			
	25-60	2-8	1.60-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.17			
1005:												
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Eastgate--------	0-5	3-6	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.10	0.20	2	3	86
	5-17	8-12	1.45-1.65	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.15	0.20			
	17-25	2-8	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.20			
	25-60	2-8	1.60-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.17			
1021:												
Easychair-------	0-11	18-27	1.15-1.35	0.60-2.00	0.19-0.21	Moderate	0.0-0.5	0.43	0.43	5	4L	86
	11-60	18-25	1.15-1.35	0.60-2.00	0.19-0.21	Moderate	0.0-0.5	0.43	0.43			
Penoyer---------	0-3	10-18	1.35-1.55	0.60-2.00	0.19-0.21	Low	0.0-0.5	0.55	0.55	5	4L	86
	3-60	10-18	1.35-1.55	0.60-2.00	0.19-0.21	Low	0.0-0.5	0.55	0.55			
1031:												
Eastgate--------	0-5	8-12	1.40-1.55	2.00-6.00	0.09-0.11	Low	0.0-0.5	0.15	0.28	2	4	86
	5-17	8-12	1.45-1.65	2.00-6.00	0.09-0.11	Low	0.0-0.5	0.15	0.28			
	17-25	2-8	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.20			
	25-60	2-8	1.60-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.17			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1035:												
Eastgate--------	0-5	3-6	1.50-1.65	6.00-20.00	0.05-0.08	Low	0.0-0.5	0.20	0.28	2	2	134
	5-17	8-12	1.45-1.65	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.15	0.20			
	17-25	2-8	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.20			
	25-60	2-8	1.60-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.17			
Lyx----------	0-3	5-10	1.50-1.65	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.05	0.24	5	3	86
	3-11	10-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.28			
	11-60	5-10	1.50-1.70	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.02	0.05			
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1039:												
Eastgate--------	0-5	3-6	1.50-1.65	6.00-20.00	0.05-0.08	Low	0.0-0.5	0.20	0.28	2	2	134
	5-17	8-12	1.45-1.65	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.15	0.20			
	17-25	2-8	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.20			
	25-60	2-8	1.60-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.17			
Lyx----------	0-3	5-10	1.50-1.65	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.02	0.24	5	4	86
	3-11	10-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.28			
	11-60	5-10	1.50-1.70	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.02	0.05			
1050:												
Schwalbe--------	0-4	8-18	1.45-1.60	0.60-2.00	0.13-0.15	Low	1.0-3.0	0.15	0.43	2	5	56
	4-12	8-18	1.45-1.60	2.00-6.00	0.11-0.13	Low	1.0-3.0	0.10	0.43			
	12-22	6-18	1.50-1.70	2.00-6.00	0.11-0.15	Low	0.5-2.0	0.10	0.43			
	22-26	---	---	0.00-0.01	---		---	---	---			
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Bellehelen------	0-5	10-18	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.15	0.43	1	7	38
	5-11	18-35	1.30-1.45	0.20-0.60	0.12-0.14	Moderate	0.5-2.0	0.10	0.32			
	11-15	---	---	0.00-0.01	---		---	---	---			
1060:												
Celeton---------	0-2	8-15	0.85-1.10	0.60-2.00	0.04-0.06	Low	0.0-0.5	0.15	0.49	1	6	48
	2-9	5-15	0.90-1.10	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.24	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			
Celeton---------	0-2	5-15	0.90-1.10	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.10	0.32	1	5	56
	2-9	5-15	0.90-1.10	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.24	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			
Badland---------	0-60	---	1.40-1.60	0.01-20.00	---		0.0-0.1	---	---	---	8	---
1061:												
Celeton---------	0-2	8-15	0.85-1.10	0.60-2.00	0.04-0.06	Low	0.0-0.5	0.15	0.49	1	6	48
	2-9	5-15	0.90-1.10	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.24	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			
Vigus----------	0-4	5-10	1.50-1.65	6.00-20.00	0.05-0.08	Low	0.0-0.5	0.10	0.20	5	3	86
	4-11	18-27	1.30-1.50	0.20-0.60	0.15-0.17	Moderate	0.0-0.5	0.15	0.32			
	11-60	10-15	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.05	0.24			
Whirlo----------	0-9	5-15	1.30-1.50	2.00-6.00	0.09-0.12	Low	0.0-0.5	0.17	0.32	3	4	86
	9-20	5-15	1.30-1.50	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.17	0.28			
	20-60	5-15	1.30-1.50	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.43			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1071:												
Rock Outcrop.												
Singatse--------	0-2	5-15	1.40-1.60	2.00-6.00	0.07-0.09	Low	0.4-0.6	0.10	0.32	1	5	56
	2-10	5-15	1.40-1.60	0.60-2.00	0.07-0.10	Low	0.0-0.5	0.10	0.37			
	10-14	---	---	0.00-0.01	---		---	---	---			
Theon----------	0-3	10-20	1.40-1.55	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.32	1	5	56
	3-11	25-35	1.30-1.50	0.20-0.60	0.06-0.09	Low	0.0-0.5	0.15	0.55			
	11-15	---	---	0.00-0.01	---		---	---	---			
1076:												
Singatse--------	0-2	5-15	1.40-1.60	2.00-6.00	0.07-0.09	Low	0.4-0.6	0.10	0.32	1	5	56
	2-10	5-15	1.40-1.60	0.60-2.00	0.07-0.10	Low	0.0-0.5	0.10	0.37			
	10-14	---	---	0.00-0.01	---		---	---	---			
Hawsley---------	0-4	5-12	1.50-1.65	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.15	5	2	134
	4-60	0-5	1.50-1.70	>20.00	0.06-0.08	Low	0.0-0.5	0.10	0.10			
1090:												
Univega---------	0-4	3-8	1.55-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.15	0.28	1	2	134
	4-13	8-18	1.35-1.55	2.00-6.00	0.11-0.14	Low	0.0-0.5	0.20	0.24			
	13-42	---	---	0.00-0.01	---		---	---	---			
	42-60	2-8	1.50-1.65	>20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.11-0.13	Low	0.5-0.7	0.28	0.32	4	3	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.35-1.55	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Watoopah--------	0-3	3-8	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.5-1.0	0.05	0.24	3	3	86
	3-12	10-18	1.35-1.55	2.00-6.00	0.09-0.14	Low	0.5-1.0	0.10	0.32			
	12-36	0-5	1.50-1.65	2.00-6.00	0.03-0.12	Low	0.0-0.5	0.05	0.28			
	36-60	0-5	1.50-1.70	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
1092:												
Univega---------	0-4	3-8	1.55-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.15	0.28	1	2	134
	4-13	8-18	1.35-1.55	2.00-6.00	0.11-0.14	Low	0.0-0.5	0.20	0.24			
	13-42	---	---	0.00-0.01	---		---	---	---			
	42-60	2-8	1.50-1.65	>20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1093:												
Univega---------	0-4	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.10	0.32	1	4	86
	4-13	8-18	1.35-1.55	2.00-6.00	0.11-0.14	Low	0.0-0.5	0.20	0.24			
	13-42	---	---	0.00-0.01	---		---	---	---			
	42-60	2-8	1.50-1.65	>20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Jevets----------	0-5	3-8	1.45-1.60	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.24	0.28	2	1	250
	5-23	3-8	1.50-1.65	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.24	0.28			
	23-27	8-18	1.35-1.55	2.00-6.00	0.11-0.14	Low	0.0-0.5	0.20	0.32			
	27-40	---	---	---	---		---	---	---			
Univega---------	0-4	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.10	0.32	1	4	86
	4-13	8-18	1.35-1.55	2.00-6.00	0.11-0.14	Low	0.0-0.5	0.20	0.24			
	13-42	---	---	0.00-0.01	---		---	---	---			
	42-60	2-8	1.50-1.65	>20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1100:												
Gabbvally-------	0-2	10-18	1.30-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	1	5	56
	2-9	18-27	1.30-1.50	0.60-2.00	0.11-0.13	Low	0.5-2.0	0.15	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1100 (con.):												
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
1130:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
1131:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Geer----------	0-4	5-18	1.30-1.50	0.60-2.00	0.14-0.16	Low	0.5-1.0	0.37	0.37	5	3	86
	4-60	5-18	1.30-1.50	0.60-2.00	0.15-0.17	Low	0.0-0.5	0.32	0.32			
1132:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Hollywell-------	0-5	3-10	1.40-1.55	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.24	2	4	86
	5-11	8-15	1.45-1.65	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.15	0.24			
	11-60	3-10	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.24			
Roic----------	0-1	8-12	1.40-1.60	2.00-6.00	0.10-0.12	Low	0.0-0.5	0.15	0.28	1	4	86
	1-5	12-18	1.40-1.60	2.00-6.00	0.12-0.15	Low	0.0-0.5	0.43	0.43			
	5-9	---	---	0.00-0.01	---		---	---	---			
1133:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Geer----------	0-4	5-18	1.30-1.50	0.60-2.00	0.14-0.16	Low	0.5-1.0	0.37	0.37	5	3	86
	4-60	5-18	1.30-1.50	0.60-2.00	0.15-0.17	Low	0.0-0.5	0.32	0.32			
1134:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Hollywell-------	0-5	2-6	1.50-1.70	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.10	0.20	4	3	86
	5-11	8-15	1.45-1.65	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.15	0.24			
	11-33	5-12	1.45-1.65	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.20			
	33-60	0-6	1.55-1.75	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.05	0.20			
Lyx----------	0-3	5-10	1.50-1.65	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.05	0.24	5	3	86
	3-11	10-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.28			
	11-60	5-10	1.50-1.70	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.02	0.05			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1135:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Watoopah--------	0-3	3-8	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.5-1.0	0.05	0.24	3	3	86
	3-12	10-18	1.35-1.55	2.00-6.00	0.09-0.14	Low	0.5-1.0	0.10	0.32			
	12-36	0-5	1.50-1.65	2.00-6.00	0.03-0.12	Low	0.0-0.5	0.05	0.28			
	36-60	0-5	1.50-1.70	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
1136:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Eastgate--------	0-5	3-6	1.50-1.65	6.00-20.00	0.05-0.08	Low	0.0-0.5	0.20	0.28	2	2	134
	5-17	8-12	1.45-1.65	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.15	0.20			
	17-25	2-8	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.20			
	25-60	2-8	1.60-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.17			
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1137:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.10-0.12	Low	0.5-0.7	0.20	0.32	4	4	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.50-1.65	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
1138:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Zadvar----------	0-6	10-18	1.35-1.55	2.00-6.00	0.06-0.11	Low	0.5-2.0	0.10	0.32	2	5	56
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
1141:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Wardenot--------	0-1	4-8	1.50-1.65	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.05	0.24	5	3	86
	1-60	5-10	1.35-1.55	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.05	0.28			
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20	5	2	134
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1142:												
Unsel----------	0-3	12-18	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37	3	5	56
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Annaw----------	0-2	5-12	1.45-1.60	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.15	0.28	2	4	86
	2-11	5-12	1.45-1.60	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.15	0.32			
	11-60	0-6	1.50-1.65	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.10	0.24			
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.02-0.04	Low	0.0-0.5	0.05	0.20	5	3	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			
1145:												
Unsel----------	0-3	12-18	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37	3	5	56
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Annaw----------	0-2	5-12	1.45-1.60	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.15	0.28	2	4	86
	2-11	5-12	1.45-1.60	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.15	0.32			
	11-60	0-6	1.50-1.65	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.10	0.24			
1146:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Silverbow-------	0-2	10-18	1.30-1.50	2.00-6.00	0.08-0.10	Low	0.0-0.5	0.10	0.37	1	5	56
	2-12	20-35	1.25-1.45	0.20-0.60	0.08-0.12	Low	0.0-0.5	0.05	0.28			
	12-19	---	---	0.00-0.01	---		---	---	---			
	19-36	---	---	0.00-0.01	---		---	---	---			
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.02-0.04	Low	0.0-0.5	0.05	0.20	5	3	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			
1147:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Hollywell-------	0-5	2-6	1.50-1.70	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.10	0.20	4	3	86
	5-11	8-15	1.45-1.65	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.15	0.24			
	11-33	5-12	1.45-1.65	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.20			
	33-60	0-6	1.55-1.75	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.05	0.20			
Hollywell-------	0-5	2-6	1.50-1.70	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.10	0.20	4	3	86
	5-11	8-15	1.45-1.65	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.15	0.24			
	11-33	5-12	1.45-1.65	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.20			
	33-60	0-6	1.55-1.75	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.05	0.20			
1148:												
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Shrink- swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi- bility group	Wind erodi- bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1148 (con.):												
Ricert----------	0-6	12-20	1.40-1.55	2.00-6.00	0.10-0.12	Low	0.0-0.8	0.20	0.37	4	4	86
	6-18	25-35	1.30-1.50	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.32	0.32			
	18-31	22-32	1.40-1.60	0.60-2.00	0.17-0.19	Moderate	0.0-0.5	0.37	0.43			
	31-60	6-16	1.40-1.55	2.00-6.00	0.03-0.07	Low	0.0-0.2	0.05	0.20			
Zaidy----------	0-4	12-18	1.30-1.45	2.00-6.00	0.06-0.09	Low	1.0-3.0	0.10	0.28	2	5	56
	4-22	25-35	1.30-1.50	0.20-0.60	0.13-0.15	Moderate	0.5-2.0	0.28	0.43			
	22-60	---	---	0.00-0.01	---		---	---	---			
1150:												
Nuyobe----------	0-6	18-27	1.30-1.50	0.60-2.00	0.19-0.21	Moderate	0.5-1.0	0.43	0.43	5	4L	86
	6-60	18-27	1.30-1.50	0.20-0.60	0.19-0.21	Moderate	0.0-1.0	0.43	0.43			
1162:												
Jung----------	0-8	10-15	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.17	0.55	1	7	38
	8-17	35-45	1.45-1.60	0.06-0.20	0.10-0.14	Moderate	0.5-0.8	0.17	0.55			
	17-21	---	---	0.00-0.01	---		---	---	---			
Clanalpine------	0-14	18-24	1.10-1.25	0.60-2.00	0.14-0.16	Low	1.0-3.0	0.17	0.49	3	7	38
	14-34	25-35	1.30-1.50	0.20-0.60	0.12-0.14	Moderate	0.5-2.0	0.17	0.43			
	34-38	---	---	0.00-0.01	---		---	---	---			
Colbar----------	0-11	10-22	1.30-1.45	2.00-6.00	0.11-0.13	Low	1.0-2.0	0.17	0.37	2	6	48
	11-18	22-35	1.25-1.45	0.20-0.60	0.13-0.15	Moderate	0.0-0.5	0.17	0.32			
	18-22	10-22	1.35-1.55	2.00-6.00	0.12-0.14	Low	0.0-0.5	0.20	0.37			
	22-26	---	---	0.00-0.01	---		---	---	---			
1163:												
Jung----------	0-8	10-15	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.17	0.55	1	7	38
	8-17	35-45	1.45-1.60	0.06-0.20	0.10-0.14	Moderate	0.5-0.8	0.17	0.55			
	17-21	---	---	0.00-0.01	---		---	---	---			
Hooplite--------	0-2	12-20	1.35-1.50	2.00-6.00	0.05-0.07	Low	0.6-2.0	0.10	0.32	1	5	56
	2-8	22-30	1.30-1.50	0.60-2.00	0.08-0.11	Low	0.5-1.0	0.15	0.49			
	8-12	---	---	0.00-0.01	---		---	---	---			
1190:												
Penoyer---------	0-3	10-18	1.35-1.55	0.60-2.00	0.19-0.21	Low	0.0-0.5	0.55	0.55	5	4L	86
	3-60	10-18	1.35-1.55	0.60-2.00	0.19-0.21	Low	0.0-0.5	0.55	0.55			
Geer----------	0-4	5-18	1.30-1.50	0.60-2.00	0.14-0.16	Low	0.5-1.0	0.37	0.37	5	3	86
	4-60	5-18	1.30-1.50	0.60-2.00	0.15-0.17	Low	0.0-0.5	0.32	0.32			
1191:												
Penoyer---------	0-3	10-18	1.35-1.55	0.60-2.00	0.19-0.21	Low	0.0-0.5	0.55	0.55	5	4L	86
	3-60	10-18	1.35-1.55	0.60-2.00	0.19-0.21	Low	0.0-0.5	0.55	0.55			
Sevenmile-------	0-12	8-15	1.35-1.55	0.20-0.60	0.13-0.15	Low	1.0-2.0	0.28	0.28	3	3	86
	12-60	6-18	1.40-1.60	0.20-0.60	0.12-0.15	Low	0.0-0.5	0.24	0.43			
1220:												
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.5-2.0	0.10	0.43	1	6	48
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Beelem----------	0-3	10-18	1.40-1.55	2.00-6.00	0.07-0.09	Low	0.5-1.0	0.10	0.28	1	5	56
	3-6	10-18	1.40-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.20	0.32			
	6-10	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1221: Rock Outcrop.												
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.24	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
1222: Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Downeyville-----	0-4	8-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.32	1	5	56
	4-10	18-27	1.25-1.45	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
Gabbvally-------	0-2	10-18	1.30-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	1	5	56
	2-9	18-27	1.30-1.50	0.60-2.00	0.11-0.13	Low	0.5-2.0	0.15	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			
1223: Rock Outcrop.												
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
1226: Rock Outcrop.												
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Bellehelen------	0-5	10-18	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.15	0.43	1	7	38
	5-11	18-35	1.30-1.45	0.20-0.60	0.12-0.14	Moderate	0.5-2.0	0.10	0.32			
	11-15	---	---	0.00-0.01	---		---	---	---			
1227: Rock Outcrop.												
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.5-2.0	0.10	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Downeyville-----	0-4	12-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.28	1	5	56
	4-10	18-27	1.25-1.45	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
1229: Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Advokay---------	0-5	12-18	1.35-1.55	2.00-6.00	0.09-0.11	Low	0.0-0.5	0.15	0.28	1	4	86
	5-9	20-35	1.25-1.45	0.20-0.60	0.11-0.14	Moderate	0.0-0.5	0.10	0.20			
	9-13	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea- bility	Available water capacity	Shrink- swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi- bility group	Wind erodi- bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1229 (con.):												
Itme----------	0-4	3-8	1.45-1.65	>20.00	0.05-0.08	Low	0.0-0.5	0.05	0.24	5	3	86
	4-60	0-8	1.45-1.65	>20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
1230:												
Geer----------	0-4	5-18	1.30-1.50	0.60-2.00	0.14-0.16	Low	0.5-1.0	0.37	0.37	5	3	86
	4-60	5-18	1.30-1.50	0.60-2.00	0.15-0.17	Low	0.0-0.5	0.32	0.32			
Eastgate--------	0-5	3-6	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.10	0.20	2	3	86
	5-17	8-12	1.45-1.65	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.15	0.20			
	17-25	2-8	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.20			
	25-60	2-8	1.60-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.17			
1231:												
Geer----------	0-4	5-18	1.30-1.50	0.60-2.00	0.14-0.16	Low	0.5-1.0	0.37	0.37	5	3	86
	4-60	5-18	1.30-1.50	0.60-2.00	0.15-0.17	Low	0.0-0.5	0.32	0.32			
1233:												
Geer----------	0-4	5-18	1.30-1.50	0.60-2.00	0.14-0.16	Low	0.5-1.0	0.37	0.37	5	3	86
	4-60	5-18	1.30-1.50	0.60-2.00	0.15-0.17	Low	0.0-0.5	0.32	0.32			
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.11-0.13	Low	0.5-0.7	0.28	0.32	4	3	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.35-1.55	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1242:												
Stargo----------	0-3	20-27	1.30-1.50	0.60-2.00	0.10-0.18	Moderate	0.5-1.0	0.32	0.37	3	4L	86
	3-11	27-35	1.25-1.35	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.37	0.43			
	11-60	2-8	1.50-1.65	2.00-6.00	0.07-0.10	Low	0.0-0.5	0.17	0.24			
Playas----------	0-6	35-40	1.50-1.70	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---	5	4L	86
	6-60	35-70	1.60-1.80	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---			
1243:												
Stargo----------	0-5	5-10	1.40-1.55	2.00-6.00	0.10-0.12	Low	0.0-0.5	0.20	0.28	3	3	86
	5-13	27-35	1.30-1.50	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.37	0.43			
	13-60	2-8	1.50-1.65	2.00-6.00	0.07-0.10	Low	0.0-0.5	0.17	0.24			
Playas----------	0-6	35-40	1.50-1.70	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---	5	4L	86
	6-60	35-70	1.60-1.80	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---			
Slaw----------	0-9	15-25	1.20-1.35	0.20-0.60	0.19-0.21	Low	0.5-1.0	0.55	0.55	5	4L	86
	9-60	25-35	1.35-1.50	0.06-0.20	0.16-0.20	Moderate	0.0-0.5	0.37	0.37			
1252:												
Wardenot--------	0-1	3-8	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.24	5	4	86
	1-60	5-10	1.35-1.55	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.05	0.28			
Unsel----------	0-3	15-20	1.25-1.45	0.60-2.00	0.14-0.16	Moderate	0.0-0.5	0.24	0.43	3	6	48
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Yomba----------	0-4	5-15	1.35-1.50	2.00-6.00	0.08-0.12	Low	0.0-0.5	0.15	0.32	3	4	86
	4-16	10-20	1.30-1.45	0.60-2.00	0.10-0.18	Low	0.0-0.5	0.20	0.37			
	16-23	5-15	1.35-1.55	2.00-6.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
	23-60	0-5	1.55-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.20			
1262:												
Rock Outcrop.												

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1262 (con.):												
Berzatic--------	0-2	8-18	1.50-1.70	2.00-6.00	0.03-0.05	Low	0.5-1.0	0.10	0.32	1	8	---
	2-11	8-18	1.55-1.70	2.00-6.00	0.05-0.09	Low	0.0-0.5	0.15	0.43			
	11-15	---	---	0.00-0.01	---		---	---	---			
Kyler----------	0-3	7-18	1.30-1.45	0.60-2.00	0.04-0.06	Low	0.5-1.0	0.15	0.43	1	8	---
	3-9	7-18	1.25-1.45	0.60-2.00	0.08-0.11	Low	0.0-0.5	0.15	0.43			
	9-13	---	---	0.00-0.01	---		---	---	---			
1263:												
Berzatic--------	0-2	8-18	1.50-1.70	2.00-6.00	0.05-0.07	Low	0.5-1.0	0.05	0.28	1	5	56
	2-11	8-18	1.55-1.70	2.00-6.00	0.05-0.09	Low	0.0-0.5	0.15	0.43			
	11-15	---	---	0.00-0.01	---		---	---	---			
Downeyville-----	0-4	12-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.28	1	5	56
	4-10	18-27	1.25-1.45	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
Pintwater-------	0-4	10-18	1.35-1.55	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.10	0.32	1	5	56
	4-15	10-18	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.32			
	15-19	---	---	0.00-0.01	---		---	---	---			
1290:												
Oricto----------	0-1	8-15	1.30-1.50	2.00-6.00	0.06-0.10	Low	0.0-0.5	0.05	0.20	2	5	56
	1-9	20-27	1.30-1.50	0.60-2.00	0.08-0.12	Low	0.0-0.5	0.10	0.32			
	9-19	8-15	1.35-1.55	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.24			
	19-60	2-8	1.55-1.70	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.02	0.10			
Gynelle---------	0-3	2-5	1.55-1.75	>20.00	0.03-0.04	Low	0.0-0.5	0.02	0.24	5	4	86
	3-60	2-10	1.55-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.20			
1291:												
Oricto----------	0-1	8-15	1.35-1.55	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.15	0.32	2	5	56
	1-9	20-27	1.30-1.50	0.60-2.00	0.08-0.12	Low	0.0-0.5	0.10	0.37			
	9-19	8-15	1.35-1.55	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.24			
	19-60	2-8	1.55-1.70	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.02	0.10			
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.02-0.04	Low	0.0-0.5	0.05	0.20	5	3	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			
1292:												
Oricto----------	0-1	2-8	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.15	0.32	2	3	86
	1-9	20-27	1.30-1.50	0.60-2.00	0.08-0.12	Low	0.0-0.5	0.10	0.37			
	9-19	8-15	1.35-1.55	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.24			
	19-60	2-8	1.55-1.70	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.02	0.10			
Luning----------	0-3	3-10	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.17	0.24	5	3	86
	3-60	3-10	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.15	0.24			
1293:												
Oricto----------	0-1	8-15	1.30-1.50	2.00-6.00	0.06-0.10	Low	0.0-0.5	0.05	0.20	2	5	56
	1-9	20-27	1.30-1.50	0.60-2.00	0.08-0.12	Low	0.0-0.5	0.10	0.32			
	9-19	8-15	1.35-1.55	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.24			
	19-60	2-8	1.55-1.70	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.02	0.10			
Terlco----------	0-2	10-15	1.40-1.55	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.10	0.32	2	5	56
	2-11	18-35	1.35-1.55	0.06-0.20	0.12-0.16	Moderate	0.0-0.5	0.20	0.37			
	11-18	8-15	1.40-1.60	2.00-6.00	0.10-0.14	Low	0.0-0.5	0.10	0.37			
	18-60	3-10	1.45-1.65	6.00-20.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1293 (con.):												
Roic----------	0-1	10-15	1.30-1.50	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.32	1	5	56
	1-5	12-18	1.40-1.60	2.00-6.00	0.12-0.15	Low	0.0-0.5	0.43	0.43			
	5-9	---	---	0.00-0.01	---		---	---	---			
1302:												
Ricert----------	0-6	12-20	1.40-1.55	2.00-6.00	0.10-0.12	Low	0.0-0.8	0.20	0.37	4	4	86
	6-18	25-35	1.30-1.50	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.32	0.32			
	18-31	22-32	1.40-1.60	0.60-2.00	0.17-0.19	Moderate	0.0-0.5	0.37	0.43			
	31-60	6-16	1.40-1.55	2.00-6.00	0.03-0.07	Low	0.0-0.2	0.05	0.20			
Celeton---------	0-2	8-15	0.85-1.10	0.60-2.00	0.04-0.06	Low	0.0-0.5	0.15	0.49	1	6	48
	2-9	5-15	0.90-1.10	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.24	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			
1303:												
Ricert----------	0-6	12-20	1.35-1.55	0.60-2.00	0.09-0.11	Low	0.0-0.8	0.10	0.43	4	7	38
	6-18	25-35	1.30-1.50	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.32	0.32			
	18-31	22-32	1.40-1.60	0.60-2.00	0.17-0.19	Moderate	0.0-0.5	0.37	0.43			
	31-60	6-15	1.40-1.55	2.00-6.00	0.03-0.07	Low	0.0-0.5	0.05	0.20			
Luning----------	0-3	3-10	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.17	0.24	5	3	86
	3-60	3-10	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.15	0.24			
1304:												
Ricert----------	0-6	12-20	1.35-1.55	2.00-6.00	0.08-0.10	Low	0.0-0.8	0.10	0.32	4	5	56
	6-18	25-35	1.30-1.50	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.32	0.32			
	18-31	22-32	1.40-1.60	0.60-2.00	0.17-0.19	Moderate	0.0-0.5	0.37	0.43			
	31-60	6-15	1.40-1.55	2.00-6.00	0.03-0.07	Low	0.0-0.5	0.05	0.20			
Ricert----------	0-6	12-20	1.35-1.55	0.60-2.00	0.09-0.11	Low	0.0-0.8	0.10	0.43	4	7	38
	6-18	25-35	1.30-1.50	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.32	0.32			
	18-31	22-32	1.40-1.60	0.60-2.00	0.17-0.19	Moderate	0.0-0.5	0.37	0.43			
	31-60	6-15	1.40-1.55	2.00-6.00	0.03-0.07	Low	0.0-0.5	0.05	0.20			
Cliffdown-------	0-3	10-15	1.40-1.55	2.00-6.00	0.07-0.08	Low	0.0-0.5	0.24	0.43	5	4	86
	3-60	5-15	1.40-1.60	2.00-6.00	0.06-0.07	Low	0.0-0.5	0.20	0.37			
1320:												
Terlco----------	0-2	10-15	1.40-1.55	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.10	0.32	2	5	56
	2-11	18-35	1.35-1.55	0.06-0.20	0.12-0.16	Moderate	0.0-0.5	0.20	0.37			
	11-18	8-15	1.40-1.60	2.00-6.00	0.10-0.14	Low	0.0-0.5	0.10	0.37			
	18-60	3-10	1.45-1.65	6.00-20.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
Terlco----------	0-2	10-15	1.40-1.55	0.60-2.00	0.07-0.11	Low	0.0-0.5	0.10	0.32	2	5	56
	2-11	18-35	1.35-1.55	0.06-0.20	0.12-0.16	Moderate	0.0-0.5	0.20	0.37			
	11-18	8-15	1.40-1.60	2.00-6.00	0.10-0.14	Low	0.0-0.5	0.10	0.37			
	18-60	3-10	1.45-1.65	6.00-20.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
1321:												
Terlco----------	0-2	10-15	1.40-1.55	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.10	0.32	2	5	56
	2-11	18-35	1.35-1.55	0.06-0.20	0.12-0.16	Moderate	0.0-0.5	0.20	0.37			
	11-18	8-15	1.40-1.60	2.00-6.00	0.10-0.14	Low	0.0-0.5	0.10	0.37			
	18-60	3-10	1.45-1.65	6.00-20.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
Whirlo----------	0-9	5-15	1.30-1.50	2.00-6.00	0.09-0.12	Low	0.0-0.5	0.17	0.32	3	4	86
	9-20	5-15	1.30-1.50	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.17	0.28			
	20-60	5-15	1.30-1.50	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.43			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1323:												
Terlco----------	0-2	10-15	1.40-1.55	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.10	0.32	2	5	56
	2-11	18-35	1.35-1.55	0.06-0.20	0.12-0.16	Moderate	0.0-0.5	0.20	0.37			
	11-18	8-15	1.40-1.60	2.00-6.00	0.10-0.14	Low	0.0-0.5	0.10	0.37			
	18-60	3-10	1.45-1.65	6.00-20.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
Annaw----------	0-2	3-6	1.50-1.65	6.00-20.00	0.05-0.10	Low	0.0-0.5	0.10	0.24	5	4	86
	2-11	5-12	1.45-1.60	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.15	0.32			
	11-60	0-6	1.50-1.65	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.10	0.24			
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.03-0.05	Low	0.0-0.5	0.02	0.15	5	8	---
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			
1326:												
Terlco----------	0-2	10-15	1.40-1.55	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.10	0.32	2	5	56
	2-11	18-35	1.35-1.55	0.06-0.20	0.12-0.16	Moderate	0.0-0.5	0.20	0.37			
	11-18	8-15	1.40-1.60	2.00-6.00	0.10-0.14	Low	0.0-0.5	0.10	0.37			
	18-60	3-10	1.45-1.65	6.00-20.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
Lyda----------	0-6	5-15	1.35-1.50	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32	1	5	56
	6-14	30-40	1.30-1.45	0.06-0.20	0.07-0.11	Moderate	0.0-0.5	0.05	0.37			
	14-16	---	---	0.00-0.01	---		---	---	---			
	16-60	---	---	0.00-0.06	---		---	---	---			
1330:												
Handpah---------	0-6	8-15	1.40-1.60	0.60-2.00	0.09-0.11	Low	0.8-2.0	0.10	0.32	1	4	86
	6-17	25-35	1.20-1.40	0.06-0.20	0.15-0.17	Moderate	0.0-0.5	0.15	0.28			
	17-19	4-10	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.24			
	19-22	---	---	0.00-0.01	---		---	---	---			
	22-60	---	---	0.00-0.01	---		---	---	---			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
1331:												
Handpah---------	0-6	8-15	1.40-1.60	0.60-2.00	0.09-0.11	Low	0.8-2.0	0.10	0.32	1	4	86
	6-17	25-35	1.20-1.40	0.06-0.20	0.15-0.17	Moderate	0.0-0.5	0.15	0.28			
	17-19	4-10	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.24			
	19-22	---	---	0.00-0.01	---		---	---	---			
	22-60	---	---	0.00-0.01	---		---	---	---			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.05-0.07	Low	0.8-2.0	0.10	0.37	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
1332:												
Handpah---------	0-6	8-15	1.40-1.60	0.60-2.00	0.09-0.11	Low	0.8-2.0	0.10	0.32	1	4	86
	6-17	25-35	1.20-1.40	0.06-0.20	0.15-0.17	Moderate	0.0-0.5	0.15	0.28			
	17-19	4-10	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.24			
	19-22	---	---	0.00-0.01	---		---	---	---			
	22-60	---	---	0.00-0.01	---		---	---	---			
Chuckridge------	0-6	10-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.8-2.0	0.15	0.32	1	4	86
	6-11	25-35	1.40-1.60	0.20-0.60	0.14-0.16	Moderate	0.5-1.0	0.15	0.32			
	11-60	---	---	---	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1333:												
Handpah---------	0-6	8-15	1.40-1.60	0.60-2.00	0.09-0.11	Low	0.8-2.0	0.10	0.32	1	4	86
	6-17	25-35	1.20-1.40	0.06-0.20	0.15-0.17	Moderate	0.0-0.5	0.15	0.28			
	17-19	4-10	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.24			
	19-22	---	---	0.00-0.01	---		---	---	---			
	22-60	---	---	0.00-0.01	---		---	---	---			
Watoopah--------	0-3	3-8	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.5-1.0	0.05	0.24	3	3	86
	3-12	10-18	1.35-1.55	2.00-6.00	0.09-0.14	Low	0.5-1.0	0.10	0.32			
	12-36	0-5	1.50-1.65	2.00-6.00	0.03-0.12	Low	0.0-0.5	0.05	0.28			
	36-60	0-5	1.50-1.70	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
1334:												
Handpah---------	0-6	5-15	1.40-1.60	0.60-2.00	0.05-0.08	Low	0.8-2.0	0.05	0.24	1	5	56
	6-17	30-35	1.20-1.40	0.06-0.20	0.15-0.17	Moderate	0.0-0.5	0.15	0.43			
	17-19	4-10	1.35-1.55	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.24			
	19-22	---	---	0.00-0.01	---		---	---	---			
	22-60	---	---	0.00-0.01	---		---	---	---			
Lyda----------	0-6	5-18	1.35-1.50	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32	1	5	56
	6-14	30-40	1.30-1.45	0.06-0.20	0.07-0.11	Moderate	0.0-0.5	0.05	0.17			
	14-16	---	---	0.00-0.01	---		---	---	---			
	16-60	---	---	0.00-0.01	---		---	---	---			
1351:												
Chill----------	0-2	5-10	1.35-1.50	2.00-6.00	0.08-0.11	Low	0.6-2.0	0.17	0.32	2	4	86
	2-6	25-35	1.30-1.50	0.20-0.60	0.10-0.13	Moderate	0.5-1.0	0.15	0.28			
	6-10	---	---	0.00-20.00	---		---	---	---			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.08-0.11	Low	0.8-2.0	0.17	0.32	3	4	86
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
1360:												
Wabuska---------	0-2	2-5	1.45-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.24	0.24	5	2	134
	2-60	10-18	1.45-1.65	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.32	0.32			
Playas----------	0-6	35-40	1.50-1.70	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---	5	4L	86
	6-60	35-70	1.60-1.80	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---			
Isolde----------	0-1	0-5	1.40-1.60	>20.00	0.06-0.09	Low	0.0-0.5	0.17	0.17	5	1	250
	1-60	0-5	1.50-1.70	>20.00	0.06-0.09	Low	0.0-0.5	0.17	0.17			
1390:												
Jevets----------	0-5	3-8	1.45-1.60	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.24	0.28	2	1	250
	5-23	3-8	1.50-1.65	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.24	0.28			
	23-27	8-18	1.35-1.55	2.00-6.00	0.11-0.14	Low	0.0-0.5	0.20	0.32			
	27-40	---	---	---	---		---	---	---			
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Univega---------	0-4	3-8	1.55-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.15	0.28	1	2	134
	4-13	8-18	1.35-1.55	2.00-6.00	0.11-0.14	Low	0.0-0.5	0.20	0.24			
	13-42	---	---	0.00-0.01	---		---	---	---			
	42-60	2-8	1.50-1.65	>20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1410:												
Watoopah--------	0-3	3-8	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.5-1.0	0.05	0.24	3	3	86
	3-12	10-18	1.35-1.55	2.00-6.00	0.09-0.14	Low	0.5-1.0	0.10	0.32			
	12-36	0-5	1.50-1.65	2.00-6.00	0.03-0.12	Low	0.0-0.5	0.05	0.28			
	36-60	0-5	1.50-1.70	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.05-0.07	Low	0.8-2.0	0.10	0.37	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
1412:												
Watoopah--------	0-3	3-8	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.5-1.0	0.05	0.24	3	3	86
	3-12	10-18	1.35-1.55	2.00-6.00	0.09-0.14	Low	0.5-1.0	0.10	0.32			
	12-36	0-5	1.50-1.65	2.00-6.00	0.03-0.12	Low	0.0-0.5	0.05	0.28			
	36-60	0-5	1.50-1.70	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.05-0.07	Low	0.8-2.0	0.10	0.37	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
Zadvar----------	0-6	10-18	1.40-1.60	2.00-6.00	0.11-0.14	Low	0.5-2.0	0.20	0.37	2	4	86
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
1420:												
Rock Outcrop.												
Squawtip--------	0-5	8-18	1.25-1.40	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.15	0.37	3	7	38
	5-38	18-25	1.30-1.45	0.60-2.00	0.09-0.11	Low	0.5-2.0	0.10	0.37			
	38-42	---	---	0.00-0.20	---		---	---	---			
Bellehelen------	0-5	10-18	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.15	0.43	1	7	38
	5-11	18-35	1.30-1.45	0.20-0.60	0.12-0.14	Moderate	0.5-2.0	0.10	0.32			
	11-15	---	---	0.00-0.01	---		---	---	---			
1421:												
Rock Outcrop.												
Squawtip--------	0-5	8-18	1.25-1.40	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.15	0.37	3	7	38
	5-38	18-25	1.30-1.45	0.60-2.00	0.09-0.11	Low	0.5-2.0	0.10	0.37			
	38-42	---	---	0.00-0.20	---		---	---	---			
Gabbvally-------	0-2	10-18	1.30-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	1	5	56
	2-9	18-27	1.30-1.50	0.60-2.00	0.11-0.13	Low	0.5-2.0	0.15	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			
1430:												
Rock Outcrop.												
Bellehelen------	0-5	10-18	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.15	0.43	1	7	38
	5-11	18-35	1.30-1.45	0.20-0.60	0.12-0.14	Moderate	0.5-2.0	0.10	0.32			
	11-15	---	---	0.00-0.01	---		---	---	---			
1451:												
Grassval--------	0-3	10-18	1.35-1.50	0.60-2.00	0.11-0.13	Low	1.0-2.0	0.24	0.43	1	6	48
	3-13	25-35	1.30-1.50	0.20-0.60	0.13-0.15	Moderate	0.5-0.8	0.20	0.37			
	13-60	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1451 (con.):												
Zaidy----------	0-4	12-18	1.30-1.45	2.00-6.00	0.06-0.09	Low	1.0-3.0	0.10	0.28	2	5	56
	4-22	25-35	1.30-1.50	0.20-0.60	0.13-0.15	Moderate	0.5-2.0	0.28	0.43			
	22-60	---	---	0.00-0.01	---		---	---	---			
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
1452:												
Grassval--------	0-3	10-18	1.35-1.50	0.60-2.00	0.11-0.13	Low	1.0-2.0	0.24	0.43	1	6	48
	3-13	25-35	1.30-1.50	0.20-0.60	0.13-0.15	Moderate	0.5-0.8	0.20	0.37			
	13-60	---	---	0.00-0.01	---		---	---	---			
Dewar----------	0-3	18-25	1.15-1.25	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.37	0.43	1	7	38
	3-7	27-35	1.20-1.35	0.20-0.60	0.12-0.16	Moderate	0.5-1.0	0.37	0.43			
	7-15	15-27	1.15-1.35	0.60-2.00	0.12-0.16	Low	0.5-1.0	0.43	0.64			
	15-44	---	---	0.00-0.01	---		---	---	---			
	44-60	---	---	0.00-0.20	---		---	---	---			
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
1453:												
Grassval--------	0-3	10-18	1.35-1.50	0.60-2.00	0.11-0.13	Low	1.0-2.0	0.24	0.43	1	6	48
	3-13	25-35	1.30-1.50	0.20-0.60	0.13-0.15	Moderate	0.5-0.8	0.20	0.37			
	13-60	---	---	0.00-0.01	---		---	---	---			
Defler----------	0-3	8-18	1.40-1.60	2.00-6.00	0.07-0.10	Low	0.0-0.5	0.24	0.32	5	4	86
	3-20	8-18	1.15-1.35	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.15	0.43			
	20-60	5-10	1.20-1.40	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.24			
Ricert----------	0-6	12-20	1.40-1.55	2.00-6.00	0.10-0.12	Low	0.0-0.8	0.20	0.37	4	4	86
	6-18	25-35	1.30-1.50	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.32	0.32			
	18-31	22-32	1.40-1.60	0.60-2.00	0.17-0.19	Moderate	0.0-0.5	0.37	0.43			
	31-60	6-16	1.40-1.55	2.00-6.00	0.03-0.07	Low	0.0-0.2	0.05	0.20			
1454:												
Grassval--------	0-3	10-18	1.35-1.50	0.60-2.00	0.11-0.13	Low	1.0-2.0	0.24	0.43	1	6	48
	3-13	25-35	1.30-1.50	0.20-0.60	0.13-0.15	Moderate	0.5-0.8	0.20	0.37			
	13-60	---	---	0.00-0.01	---		---	---	---			
Wieland---------	0-8	18-27	1.15-1.30	0.60-2.00	0.10-0.15	Low	1.0-2.0	0.32	0.43	5	7	38
	8-23	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	23-36	27-35	1.45-1.60	0.06-0.20	0.10-0.17	Moderate	0.0-0.5	0.28	0.55			
	36-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.32	0.32			
1460:												
Zadvar----------	0-6	10-18	1.35-1.55	2.00-6.00	0.06-0.11	Low	0.5-2.0	0.10	0.32	2	5	56
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Handpah---------	0-6	8-15	1.40-1.60	0.60-2.00	0.09-0.11	Low	0.8-2.0	0.10	0.32	1	4	86
	6-17	25-35	1.20-1.40	0.06-0.20	0.15-0.17	Moderate	0.0-0.5	0.15	0.28			
	17-19	4-10	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.24			
	19-22	---	---	0.00-0.01	---		---	---	---			
	22-60	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1461:												
Zadvar----------	0-6	10-18	1.40-1.60	2.00-6.00	0.11-0.14	Low	0.5-2.0	0.20	0.37	2	4	86
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Chuckridge------	0-6	10-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.8-2.0	0.15	0.32	1	4	86
	6-11	25-35	1.40-1.60	0.20-0.60	0.14-0.16	Moderate	0.5-1.0	0.15	0.32			
	11-60	---	---	---	---		---	---	---			
Watoopah--------	0-3	3-8	1.50-1.65	6.00-20.00	0.04-0.08	Low	0.5-1.0	0.05	0.24	3	3	86
	3-12	10-18	1.35-1.55	2.00-6.00	0.09-0.14	Low	0.5-1.0	0.10	0.32			
	12-36	0-5	1.50-1.65	2.00-6.00	0.03-0.12	Low	0.0-0.5	0.05	0.28			
	36-60	0-5	1.50-1.70	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
1462:												
Zadvar----------	0-6	10-18	1.40-1.60	2.00-6.00	0.11-0.14	Low	0.5-2.0	0.20	0.37	2	4	86
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Chuckridge------	0-6	10-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.8-2.0	0.15	0.32	1	4	86
	6-11	25-35	1.40-1.60	0.20-0.60	0.14-0.16	Moderate	0.5-1.0	0.15	0.32			
	11-60	---	---	---	---		---	---	---			
1463:												
Zadvar----------	0-6	10-18	1.35-1.55	2.00-6.00	0.06-0.11	Low	0.5-2.0	0.10	0.32	2	5	56
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
1464:												
Zadvar----------	0-6	10-18	1.40-1.60	2.00-6.00	0.11-0.14	Low	0.5-2.0	0.20	0.37	2	4	86
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
1465:												
Zadvar----------	0-6	10-18	1.35-1.55	2.00-6.00	0.06-0.11	Low	0.5-2.0	0.10	0.32	2	5	56
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Unsel----------	0-3	12-18	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37	3	5	56
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
1466:												
Zadvar----------	0-6	10-18	1.35-1.55	2.00-6.00	0.06-0.11	Low	0.5-2.0	0.10	0.32	2	5	56
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1466 (con.):												
Barnmot---------	0-5	27-35	1.25-1.45	0.20-0.60	0.13-0.17	Moderate	0.0-0.7	0.17	0.32	5	5	56
	5-60	35-55	1.30-1.50	0.00-0.06	0.13-0.15	High	0.0-0.5	0.24	0.24			
Unsel----------	0-3	12-18	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37	3	5	56
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
1470:												
Cirac----------	0-1	8-18	1.40-1.60	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.24	0.24	5	3	86
	1-60	8-18	1.45-1.65	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.24	0.28			
Wardenot--------	0-1	8-18	1.40-1.55	2.00-6.00	0.14-0.16	Low	0.0-0.5	0.10	0.32	5	4	86
	1-60	5-10	1.35-1.55	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.05	0.28			
Slaw----------	0-9	8-18	1.15-1.35	0.60-2.00	0.19-0.21	Low	0.5-1.0	0.55	0.55	5	4L	86
	9-60	25-35	1.35-1.50	0.06-0.20	0.19-0.21	Moderate	0.0-0.5	0.37	0.37			
1476:												
Cirac----------	0-1	8-18	1.40-1.60	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.28	5	3	86
	1-60	8-18	1.45-1.65	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.24	0.28			
Kawich----------	0-3	0-5	1.50-1.65	>20.00	0.05-0.07	Low	0.0-0.5	0.15	0.15	5	1	250
	3-60	0-5	1.50-1.65	>20.00	0.05-0.07	Low	0.0-0.5	0.15	0.15			
1477:												
Cirac----------	0-1	8-18	1.40-1.60	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.24	0.24	5	3	86
	1-60	8-18	1.45-1.65	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.24	0.28			
Cirac----------	0-1	8-18	1.40-1.60	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.28	5	3	86
	1-60	8-18	1.45-1.65	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.24	0.28			
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1481:												
Chuckridge------	0-6	10-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.8-2.0	0.15	0.32	1	4	86
	6-11	25-35	1.40-1.60	0.20-0.60	0.14-0.16	Moderate	0.5-1.0	0.15	0.32			
	11-60	---	---	---	---		---	---	---			
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
1483:												
Chuckridge------	0-6	10-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.8-2.0	0.15	0.32	1	4	86
	6-11	25-35	1.40-1.60	0.20-0.60	0.14-0.16	Moderate	0.5-1.0	0.15	0.32			
	11-60	---	---	---	---		---	---	---			
1492:												
Slaw----------	0-9	15-25	1.20-1.35	0.20-0.60	0.19-0.21	Low	0.5-1.0	0.55	0.55	5	4L	86
	9-60	25-35	1.35-1.50	0.06-0.20	0.16-0.20	Moderate	0.0-0.5	0.37	0.37			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1492 (con.):												
Rustigate-------	0-4	18-27	1.25-1.40	0.60-2.00	0.19-0.21	Moderate	0.5-1.0	0.49	0.49	5	4L	86
	4-42	18-27	1.30-1.50	0.60-2.00	0.16-0.18	Moderate	0.0-0.5	0.43	0.43			
	42-60	8-20	1.35-1.55	0.60-2.00	0.12-0.16	Moderate	0.0-0.5	0.43	0.43			
1493:												
Slaw----------	0-9	15-25	1.20-1.35	0.20-0.60	0.19-0.21	Low	0.5-1.0	0.55	0.55	5	4L	86
	9-60	25-35	1.35-1.50	0.06-0.20	0.16-0.20	Moderate	0.0-0.5	0.37	0.37			
Stargo----------	0-3	20-27	1.30-1.50	0.60-2.00	0.10-0.18	Moderate	0.5-1.0	0.32	0.37	3	4L	86
	3-11	27-35	1.25-1.35	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.37	0.43			
	11-60	2-8	1.50-1.65	2.00-6.00	0.07-0.10	Low	0.0-0.5	0.17	0.24			
Geer----------	0-4	5-18	1.30-1.50	0.60-2.00	0.14-0.16	Low	0.5-1.0	0.37	0.37	5	3	86
	4-60	5-18	1.30-1.50	0.60-2.00	0.15-0.17	Low	0.0-1.0	0.32	0.32			
1494:												
Slaw----------	0-9	0-10	1.55-1.75	2.00-6.00	0.08-0.10	Low	0.5-1.0	0.43	0.43	5	2	134
	9-60	25-35	1.35-1.50	0.06-0.20	0.19-0.21	Moderate	0.0-0.5	0.37	0.37			
Slaw----------	0-9	15-25	1.20-1.35	0.20-0.60	0.19-0.21	Low	0.5-1.0	0.55	0.55	5	4L	86
	9-60	25-35	1.35-1.50	0.06-0.20	0.16-0.20	Moderate	0.0-0.5	0.37	0.37			
Gitakup---------	0-1	27-35	1.25-1.45	0.20-0.60	0.14-0.16	Moderate	0.0-0.8	0.55	0.55	5	4L	86
	1-14	35-45	1.30-1.45	0.06-0.20	0.16-0.19	High	0.0-0.5	0.49	0.49			
	14-29	27-35	1.45-1.60	0.06-0.20	0.14-0.16	Moderate	0.0-0.5	0.49	0.49			
	29-60	27-35	1.50-1.65	0.06-0.20	0.10-0.12	Moderate	0.0-0.5	0.55	0.55			
1495:												
Slaw----------	0-9	8-18	1.15-1.35	0.60-2.00	0.19-0.21	Low	0.5-1.0	0.55	0.55	5	4L	86
	9-60	25-35	1.35-1.50	0.06-0.20	0.19-0.21	Moderate	0.0-0.5	0.37	0.37			
Cirac----------	0-4	8-18	1.40-1.60	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.28	5	3	86
	4-60	8-18	1.45-1.65	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.24	0.28			
Kawich----------	0-3	0-5	1.50-1.65	>20.00	0.05-0.07	Low	0.0-0.5	0.15	0.15	5	1	250
	3-60	0-5	1.50-1.65	>20.00	0.05-0.07	Low	0.0-0.5	0.15	0.15			
1510:												
Isolde----------	0-1	0-5	1.40-1.60	>20.00	0.06-0.09	Low	0.0-0.5	0.17	0.17	5	1	250
	1-60	0-5	1.50-1.70	>20.00	0.06-0.09	Low	0.0-0.5	0.17	0.17			
Hawsley---------	0-4	5-12	1.50-1.65	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.15	5	2	134
	4-60	0-5	1.50-1.70	>20.00	0.06-0.08	Low	0.0-0.5	0.10	0.10			
1520:												
Rustigate-------	0-4	15-25	1.30-1.50	0.20-0.60	0.16-0.18	Moderate	0.5-1.0	0.43	0.43	5	4L	86
	4-42	18-27	1.30-1.50	0.60-2.00	0.16-0.18	Moderate	0.0-0.5	0.43	0.43			
	42-60	8-20	1.35-1.55	0.60-2.00	0.12-0.16	Moderate	0.0-0.5	0.43	0.43			
1530:												
Rebel----------	0-9	10-18	1.40-1.55	2.00-6.00	0.11-0.13	Low	0.6-2.0	0.49	0.49	5	3	86
	9-60	10-18	1.35-1.55	2.00-6.00	0.13-0.16	Low	0.0-0.6	0.20	0.24			
1540:												
Packer----------	0-10	14-20	1.25-1.45	0.60-2.00	0.10-0.13	Low	1.0-2.0	0.15	0.49	5	7	38
	10-20	20-30	1.35-1.50	0.60-2.00	0.08-0.11	Low	0.5-2.0	0.10	0.43			
	20-60	10-16	1.40-1.55	2.00-6.00	0.05-0.08	Low	0.5-1.0	0.10	0.43			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1540 (con.):												
Suak----------	0-8	10-20	1.20-1.40	0.60-2.00	0.04-0.07	Low	2.0-5.0	0.05	0.43	2	7	38
	8-25	20-27	1.30-1.50	0.60-2.00	0.03-0.06	Moderate	0.5-1.0	0.02	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			
Foxvire---------	0-20	8-15	1.35-1.50	2.00-6.00	0.12-0.14	Low	1.0-2.0	0.24	0.49	5	6	48
	20-60	8-15	1.35-1.50	2.00-6.00	0.12-0.14	Low	0.5-1.0	0.24	0.55			
1551:												
Sevenmile-------	0-12	8-15	1.35-1.55	0.20-0.60	0.13-0.15	Low	1.0-2.0	0.28	0.28	3	3	86
	12-60	6-18	1.40-1.60	0.20-0.60	0.12-0.15	Low	0.0-0.5	0.24	0.43			
1552:												
Sevenmile-------	0-7	8-15	1.25-1.45	0.20-0.60	0.12-0.14	Low	1.0-3.0	0.20	0.37	4	6	48
	7-34	8-18	1.30-1.50	0.20-0.60	0.10-0.14	Low	0.6-2.0	0.28	0.32			
	34-60	8-18	1.35-1.50	0.20-0.60	0.14-0.16	Low	0.0-0.6	0.32	0.37			
Mosida----------	0-10	12-18	1.35-1.55	0.60-2.00	0.13-0.19	Low	1.0-3.0	0.37	0.37	5	5	56
	10-60	12-18	1.40-1.60	0.60-2.00	0.12-0.18	Low	0.5-1.0	0.37	0.43			
Rebel----------	0-9	10-18	1.35-1.50	2.00-6.00	0.15-0.17	Low	0.6-2.0	0.55	0.55	5	3	86
	9-60	10-18	1.35-1.55	2.00-6.00	0.13-0.16	Low	0.0-0.6	0.20	0.24			
1553:												
Sevenmile-------	0-7	8-15	1.25-1.45	0.20-0.60	0.12-0.14	Low	1.0-3.0	0.20	0.37	4	6	48
	7-34	8-18	1.30-1.50	0.20-0.60	0.10-0.14	Low	0.6-2.0	0.28	0.32			
	34-60	8-18	1.35-1.50	0.20-0.60	0.14-0.16	Low	0.0-0.6	0.32	0.37			
1580:												
Kyler----------	0-3	7-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-1.0	0.15	0.37	1	5	56
	3-9	7-18	1.25-1.45	0.60-2.00	0.08-0.11	Low	0.0-0.5	0.15	0.43			
	9-13	---	---	0.00-0.01	---		---	---	---			
1620:												
Vinini----------	0-2	8-15	1.30-1.45	2.00-6.00	0.09-0.11	Low	0.8-2.0	0.32	0.37	1	5	56
	2-7	27-35	1.25-1.45	0.20-0.60	0.07-0.10	Moderate	0.0-0.5	0.24	0.43			
	7-12	27-35	1.25-1.45	0.20-0.60	0.07-0.10	Moderate	0.0-0.5	0.24	0.43			
	12-30	---	---	0.00-0.01	---		---	---	---			
	30-34	---	---	0.00-0.01	---		---	---	---			
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.5-2.0	0.10	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Gabbvally-------	0-2	10-18	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.15	0.43	1	7	38
	2-9	18-27	1.30-1.50	0.60-2.00	0.11-0.13	Low	0.0-0.8	0.15	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			
1621:												
Vinini----------	0-2	8-15	1.30-1.45	2.00-6.00	0.09-0.11	Low	0.8-2.0	0.32	0.37	1	5	56
	2-7	27-35	1.25-1.45	0.20-0.60	0.07-0.10	Moderate	0.0-0.5	0.24	0.43			
	7-12	27-35	1.25-1.45	0.20-0.60	0.07-0.10	Moderate	0.0-0.5	0.24	0.43			
	12-30	---	---	0.00-0.01	---		---	---	---			
	30-34	---	---	0.00-0.01	---		---	---	---			
Beelem----------	0-3	10-18	1.40-1.55	2.00-6.00	0.07-0.09	Low	0.5-1.0	0.10	0.28	1	4	86
	3-6	10-18	1.40-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.20	0.32			
	6-10	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1621 (con.):												
Gabbvally-------	0-2	10-18	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.15	0.43	1	7	38
	2-9	18-27	1.30-1.50	0.60-2.00	0.11-0.13	Low	0.0-0.8	0.15	0.32			
	9-13	---	---	0.00-0.01	---		---	---	---			
1631:												
Lyx----------	0-3	5-10	1.50-1.65	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.05	0.24	5	3	86
	3-11	10-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.28			
	11-60	5-10	1.50-1.70	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.02	0.05			
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
1648:												
Armespan--------	0-1	10-18	1.40-1.55	2.00-6.00	0.05-0.08	Low	0.8-2.0	0.10	0.32	3	5	56
	1-5	10-18	1.40-1.55	2.00-6.00	0.07-0.09	Low	0.5-1.0	0.20	0.37			
	5-22	12-18	1.35-1.50	0.60-2.00	0.09-0.12	Low	0.0-0.5	0.24	0.37			
	22-44	10-18	1.45-1.65	0.60-2.00	0.05-0.08	Low	0.0-0.5	0.10	0.24			
	44-60	5-10	1.45-1.60	6.00-20.00	0.02-0.05	Low	0.0-0.5	0.05	0.17			
Whilphang-------	0-7	10-18	1.35-1.55	0.60-2.00	0.05-0.07	Low	0.5-1.0	0.10	0.32	2	5	56
	7-12	10-18	1.35-1.55	0.60-2.00	0.13-0.15	Low	0.5-1.0	0.24	0.43			
	12-16	---	---	0.00-0.01	---		---	---	---			
Wrango----------	0-2	3-8	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.6-1.0	0.02	0.24	5	4	86
	2-12	8-15	1.40-1.60	0.60-2.00	0.06-0.08	Low	0.5-1.0	0.10	0.32			
	12-60	3-8	1.50-1.70	>20.00	0.03-0.05	Low	0.0-0.5	0.02	0.17			
1660:												
Minnye----------	0-3	6-12	1.45-1.60	2.00-6.00	0.07-0.09	Low	0.0-1.0	0.10	0.37	5	5	56
	3-12	18-27	1.45-1.60	0.20-0.60	0.09-0.12	Low	0.0-0.5	0.10	0.43			
	12-60	10-18	1.50-1.70	0.60-6.00	0.05-0.09	Low	0.0-0.5	0.05	0.32			
Annaw----------	0-2	3-6	1.50-1.65	6.00-20.00	0.05-0.10	Low	0.0-0.5	0.10	0.24	5	4	86
	2-11	5-12	1.45-1.60	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.15	0.32			
	11-60	0-6	1.50-1.65	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.10	0.24			
Wardenot--------	0-1	3-8	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.24	5	4	86
	1-60	5-10	1.35-1.55	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.05	0.28			
1661:												
Minnye----------	0-3	8-15	1.45-1.65	2.00-6.00	0.07-0.10	Low	0.0-1.0	0.10	0.43	5	5	56
	3-12	18-27	1.45-1.60	0.20-0.60	0.09-0.12	Low	0.0-0.5	0.10	0.43			
	12-60	10-18	1.50-1.70	0.60-6.00	0.05-0.09	Low	0.0-0.5	0.05	0.32			
Cliffdown-------	0-3	10-15	1.40-1.55	2.00-6.00	0.07-0.08	Low	0.0-0.5	0.24	0.43	5	4	86
	3-60	5-15	1.40-1.60	2.00-6.00	0.06-0.07	Low	0.0-0.5	0.20	0.37			
Lyx----------	0-3	5-10	1.50-1.65	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.05	0.24	5	3	86
	3-11	10-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.28			
	11-60	5-10	1.50-1.70	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.02	0.05			
1670:												
Logring---------	0-3	8-15	1.35-1.50	0.60-2.00	0.08-0.10	Low	1.0-3.0	0.15	0.32	1	5	56
	3-10	10-18	1.30-1.45	0.60-2.00	0.08-0.10	Low	0.5-1.0	0.15	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
Kyler----------	0-3	7-18	1.30-1.45	0.60-2.00	0.04-0.06	Low	0.5-1.0	0.15	0.43	1	8	---
	3-9	7-18	1.25-1.45	0.60-2.00	0.08-0.11	Low	0.0-0.5	0.15	0.43			
	9-13	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1680:												
Rock Outcrop.												
Uripnes---------	0-7	10-18	1.40-1.55	2.00-6.00	0.05-0.07	Low	0.0-0.5	0.17	0.32	1	5	56
	7-21	---	---	0.00-20.00	---		---	---	---			
	21-25	---	---	0.00-20.00	---		---	---	---			
1681:												
Rock Outcrop.												
Uripnes---------	0-7	10-18	1.40-1.55	2.00-6.00	0.05-0.07	Low	0.0-0.5	0.17	0.32	1	8	---
	7-21	---	---	0.00-20.00	---		---	---	---			
	21-25	---	---	0.00-20.00	---		---	---	---			
Budihol---------	0-2	12-18	1.25-1.40	2.00-6.00	0.07-0.09	Low	1.0-2.0	0.10	0.32	2	8	---
	2-14	12-18	1.20-1.40	2.00-6.00	0.07-0.09	Low	0.5-1.0	0.20	0.32			
	14-22	---	---	0.00-20.00	---		---	---	---			
1691:												
Goldyke---------	0-3	10-15	1.45-1.60	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.15	0.32	1	4	86
	3-6	12-18	1.45-1.60	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.20	0.37			
	6-22	---	---	0.00-0.06	---		---	---	---			
	22-26	---	---	0.00-0.01	---		---	---	---			
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.24	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.12-0.14	Low	0.5-0.7	0.32	0.32	4	3	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.35-1.55	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1704:												
Leo----------	0-6	5-15	1.40-1.60	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.20	5	4	86
	6-60	0-5	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.20			
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.02-0.04	Low	0.0-0.5	0.05	0.20	5	3	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			
1705:												
Leo----------	0-6	5-15	1.40-1.60	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.20	5	4	86
	6-60	0-5	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.20			
Unsel----------	0-3	12-18	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37	3	5	56
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Lyx----------	0-3	5-10	1.50-1.65	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.05	0.24	5	3	86
	3-11	10-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.28			
	11-60	5-10	1.50-1.70	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.02	0.05			
1706:												
Leo----------	0-6	5-15	1.45-1.65	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.17	5	5	56
	6-60	0-5	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.20			
Zadvar----------	0-6	10-18	1.35-1.55	2.00-6.00	0.06-0.11	Low	0.5-2.0	0.10	0.32	2	5	56
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1741:												
Keefa----------	0-4	8-15	1.30-1.50	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.20	0.24	5	3	86
	4-13	8-15	1.30-1.50	2.00-6.00	0.07-0.13	Low	0.0-0.5	0.20	0.24			
	13-54	8-15	1.50-1.70	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.15	0.28			
	54-60	5-15	1.40-1.60	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.10	0.20			
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.11-0.13	Low	0.5-0.7	0.28	0.32	4	3	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.35-1.55	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1751:												
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.10-0.12	Low	0.5-0.7	0.20	0.32	4	4	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.50-1.65	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.10-0.12	Low	0.5-0.7	0.20	0.32	4	4	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.50-1.65	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
1753:												
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.11-0.13	Low	0.5-0.7	0.28	0.32	4	3	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.35-1.55	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Koyen----------	0-4	0-6	1.45-1.65	6.00-20.00	0.04-0.06	Low	0.5-0.7	0.15	0.17	4	1	220
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.35-1.55	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1760:												
Vindicator------	0-4	10-18	1.40-1.60	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.32	1	4	86
	4-14	20-30	1.30-1.50	0.60-2.00	0.09-0.14	Moderate	0.0-0.5	0.05	0.43			
	14-18	---	---	0.00-0.01	---		---	---	---			
1790:												
Hooplite--------	0-2	12-20	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.6-2.0	0.15	0.32	1	5	56
	2-8	22-30	1.30-1.50	0.60-2.00	0.08-0.11	Low	0.5-1.0	0.15	0.49			
	8-12	---	---	0.00-0.01	---		---	---	---			
Theon----------	0-3	10-20	1.40-1.55	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.32	1	5	56
	3-11	25-35	1.30-1.50	0.20-0.60	0.06-0.09	Low	0.0-0.5	0.15	0.55			
	11-15	---	---	0.00-0.01	---		---	---	---			
Old Camp--------	0-6	10-20	1.35-1.50	0.60-2.00	0.09-0.13	Low	1.0-2.0	0.17	0.32	1	5	56
	6-12	27-35	1.30-1.50	0.20-0.60	0.08-0.11	Low	0.5-1.0	0.15	0.43			
	12-16	---	---	0.00-0.01	---		---	---	---			
1792:												
Rock Outcrop.												
Hooplite--------	0-2	12-22	1.35-1.50	2.00-6.00	0.07-0.10	Low	0.6-2.0	0.17	0.55	1	7	38
	2-8	22-30	1.30-1.50	0.60-2.00	0.08-0.11	Low	0.5-1.0	0.15	0.49			
	8-12	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1800:												
Lyda----------	0-6	5-18	1.35-1.50	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32	1	5	56
	6-14	30-40	1.30-1.45	0.06-0.20	0.07-0.11	Moderate	0.0-0.5	0.05	0.17			
	14-16	---	---	0.00-0.01	---		---	---	---			
	16-60	---	---	0.00-0.01	---		---	---	---			
Zadvar----------	0-6	10-18	1.35-1.55	2.00-6.00	0.06-0.11	Low	0.5-2.0	0.10	0.32	2	5	56
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
Unsel----------	0-3	12-18	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37	3	5	56
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
1801:												
Lyda----------	0-6	5-18	1.35-1.50	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32	1	5	56
	6-14	30-40	1.30-1.45	0.06-0.20	0.07-0.11	Moderate	0.0-0.5	0.05	0.17			
	14-16	---	---	0.00-0.01	---		---	---	---			
	16-60	---	---	0.00-0.01	---		---	---	---			
Leo----------	0-6	5-15	1.45-1.65	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.17	5	5	56
	6-60	0-5	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.20			
Zadvar----------	0-6	8-12	1.40-1.60	2.00-6.00	0.08-0.10	Low	0.5-2.0	0.20	0.37	2	4	86
	6-11	27-35	1.20-1.40	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.20	0.32			
	11-28	---	---	0.00-0.01	---		---	---	---			
	28-60	5-10	1.55-1.75	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
1802:												
Lyda----------	0-6	5-15	1.35-1.50	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32	1	5	56
	6-14	30-40	1.30-1.45	0.06-0.20	0.07-0.11	Moderate	0.0-0.5	0.05	0.37			
	14-16	---	---	0.00-0.01	---		---	---	---			
	16-60	---	---	0.00-0.06	---		---	---	---			
Unsel----------	0-3	15-20	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.20	0.37	3	4	86
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.11-0.13	Low	0.5-0.7	0.28	0.32	4	3	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.35-1.55	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
1805:												
Lyda----------	0-6	5-18	1.35-1.50	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32	1	5	56
	6-14	30-40	1.30-1.45	0.06-0.20	0.07-0.11	Moderate	0.0-0.5	0.05	0.17			
	14-16	---	---	0.00-0.01	---		---	---	---			
	16-60	---	---	0.00-0.01	---		---	---	---			
Unsel----------	0-3	12-18	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37	3	5	56
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
Unsel----------	0-3	12-18	1.35-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37	3	5	56
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1820:												
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.02-0.04	Low	0.0-0.5	0.05	0.20	5	3	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			
1830:												
Rock Outcrop.												
Downeyville-----	0-4	12-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.28	1	5	56
	4-10	18-27	1.25-1.45	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
1833:												
Downeyville-----	0-4	8-18	1.35-1.55	2.00-6.00	0.05-0.07	Low	0.0-0.5	0.05	0.32	1	5	56
	4-10	18-27	1.25-1.45	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.24	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
1834:												
Downeyville-----	0-4	8-18	1.35-1.55	2.00-6.00	0.05-0.07	Low	0.0-0.5	0.05	0.32	1	5	56
	4-10	18-27	1.25-1.45	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.24	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
1835:												
Downeyville-----	0-4	12-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.28	1	5	56
	4-10	18-27	1.25-1.45	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
Goldyke---------	0-3	10-15	1.45-1.60	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.15	0.32	1	4	86
	3-6	12-18	1.45-1.60	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.20	0.37			
	6-22	---	---	0.00-0.06	---		---	---	---			
	22-26	---	---	0.00-0.01	---		---	---	---			
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.32	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
1840:												
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
Cliffdown-------	0-3	10-15	1.40-1.55	2.00-6.00	0.07-0.08	Low	0.0-0.5	0.24	0.43	5	4	86
	3-60	5-15	1.40-1.60	2.00-6.00	0.06-0.07	Low	0.0-0.5	0.20	0.37			
1845:												
Veet----------	0-5	8-15	1.35-1.50	2.00-6.00	0.06-0.08	Low	0.8-2.0	0.10	0.32	3	5	56
	5-20	10-18	1.35-1.55	0.60-2.00	0.06-0.08	Low	0.0-0.5	0.10	0.37			
	20-60	5-10	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.32			
Leo----------	0-6	5-15	1.45-1.65	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.17	5	5	56
	6-60	0-5	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.20			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1845 (con.):												
Minnye----------	0-3	6-12	1.45-1.60	2.00-6.00	0.07-0.09	Low	0.0-1.0	0.10	0.37	5	5	56
	3-12	18-27	1.45-1.60	0.20-0.60	0.09-0.12	Low	0.0-0.5	0.10	0.43			
	12-60	10-18	1.50-1.70	0.60-6.00	0.05-0.09	Low	0.0-0.5	0.05	0.32			
1851:												
Garhill---------	0-1	5-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.28	1	4	86
	1-4	8-15	1.30-1.50	0.60-2.00	0.13-0.15	Low	0.0-0.5	0.32	0.43			
	4-8	18-25	1.30-1.50	0.60-2.00	0.13-0.15	Low	0.0-0.5	0.20	0.37			
	8-15	---	---	0.00-0.01	---		---	---	---			
	15-19	---	---	0.00-0.01	---		---	---	---			
Tognoni---------	0-5	10-18	1.30-1.50	2.00-6.00	0.08-0.10	Low	0.0-0.5	0.10	0.32	1	5	56
	5-12	35-45	1.20-1.40	0.06-0.20	0.07-0.12	Moderate	0.0-0.5	0.10	0.43			
	12-16	---	---	0.00-0.01	---		---	---	---			
1860:												
Rock Outcrop.												
Old Camp--------	0-6	8-20	1.35-1.50	2.00-6.00	0.08-0.10	Low	1.0-2.0	0.17	0.43	1	7	38
	6-12	27-35	1.30-1.50	0.20-0.60	0.08-0.11	Low	0.5-1.0	0.15	0.43			
	12-16	---	---	0.00-0.01	---		---	---	---			
Colbar----------	0-11	10-22	1.30-1.45	2.00-6.00	0.11-0.13	Low	1.0-2.0	0.17	0.37	2	6	48
	11-18	22-35	1.25-1.45	0.20-0.60	0.13-0.15	Moderate	0.0-0.5	0.17	0.32			
	18-22	10-22	1.35-1.55	2.00-6.00	0.12-0.14	Low	0.0-0.5	0.20	0.37			
	22-26	---	---	0.00-0.01	---		---	---	---			
1891:												
Rock Outcrop.												
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.24	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
Downeyville-----	0-4	8-18	1.35-1.55	2.00-6.00	0.05-0.07	Low	0.0-0.5	0.05	0.32	1	5	56
	4-10	18-27	1.25-1.45	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.43			
	10-14	---	---	0.00-0.01	---		---	---	---			
1900:												
Playas----------	0-6	35-40	1.50-1.70	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---	5	4L	86
	6-60	35-70	1.60-1.80	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---			
1901:												
Playas----------	0-6	35-40	1.50-1.70	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---	5	4	86
	6-60	35-70	1.60-1.80	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---			
Slaw----------	0-9	15-25	1.20-1.35	0.20-0.60	0.19-0.21	Low	0.5-1.0	0.55	0.55	5	4L	86
	9-60	25-35	1.35-1.50	0.06-0.20	0.16-0.20	Moderate	0.0-0.5	0.37	0.37			
1902:												
Slickens--------	0-10	0-10	1.30-1.70	0.20-0.60	0.10-0.12	Low	0.0-0.1	0.64	0.64	5	2	134
	10-30	0-10	1.30-1.70	0.20-0.60	0.10-0.12	Low	0.0-0.1	0.64	0.64			
	30-60	---	1.40-1.70	0.06-20.00	---		0.0-0.1	---	---			
1910:												
Yomba----------	0-4	5-15	1.35-1.50	2.00-6.00	0.08-0.12	Low	0.0-0.5	0.15	0.32	3	4	86
	4-16	10-20	1.30-1.45	0.60-2.00	0.10-0.18	Low	0.0-0.5	0.20	0.37			
	16-23	5-15	1.35-1.55	2.00-6.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
	23-60	0-5	1.55-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.20			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1911:												
Yomba----------	0-4	5-15	1.35-1.50	2.00-6.00	0.08-0.12	Low	0.0-0.5	0.15	0.32	3	4	86
	4-16	10-20	1.30-1.45	0.60-2.00	0.10-0.18	Low	0.0-0.5	0.20	0.37			
	16-23	5-15	1.35-1.55	2.00-6.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
	23-60	0-5	1.55-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.20			
Playas----------	0-6	35-40	1.50-1.70	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---	5	4L	86
	6-60	35-70	1.60-1.80	0.00-0.06	0.02-0.04	High	0.0-0.1	0.37	---			
Yomba----------	0-4	5-15	1.35-1.50	2.00-6.00	0.08-0.12	Low	0.0-0.5	0.15	0.32	3	4	86
	4-16	10-20	1.30-1.45	0.60-2.00	0.10-0.18	Low	0.0-0.5	0.20	0.37			
	16-23	5-15	1.35-1.55	2.00-6.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
	23-60	0-5	1.55-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.20			
1930:												
Stonell---------	0-3	5-15	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-1.0	0.20	0.37	5	4	86
	3-9	20-30	1.40-1.55	0.20-0.60	0.05-0.10	Low	0.0-0.5	0.10	0.32			
	9-60	5-10	1.50-1.70	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.17			
Wardenot--------	0-1	8-12	1.40-1.55	2.00-6.00	0.09-0.11	Low	0.0-0.5	0.05	0.24	5	5	56
	1-60	5-10	1.35-1.55	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.05	0.28			
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.02-0.04	Low	0.0-0.5	0.05	0.20	5	3	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			
1950:												
Pintwater-------	0-4	10-18	1.35-1.55	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.10	0.32	1	5	56
	4-15	10-18	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.32			
	15-19	---	---	0.00-0.01	---		---	---	---			
Izo----------	0-5	3-8	1.40-1.60	6.00-20.00	0.04-0.05	Low	0.0-0.5	0.15	0.17	5	4	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.02-0.04	Low	0.0-0.5	0.02	0.10			
1951:												
Rock Outcrop.												
Pintwater-------	0-4	10-18	1.35-1.55	2.00-6.00	0.08-0.10	Low	0.0-0.5	0.15	0.32	1	5	56
	4-15	10-18	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.10	0.32			
	15-19	---	---	0.00-0.01	---		---	---	---			
1953:												
Pintwater-------	0-4	10-15	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.20	0.37	1	4	86
	4-15	10-18	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.32			
	15-19	---	---	0.00-0.01	---		---	---	---			
Terlco----------	0-2	10-15	1.40-1.55	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.10	0.32	2	5	56
	2-11	18-35	1.35-1.55	0.06-0.20	0.12-0.16	Moderate	0.0-0.5	0.20	0.37			
	11-18	8-15	1.40-1.60	2.00-6.00	0.10-0.14	Low	0.0-0.5	0.10	0.37			
	18-60	3-10	1.45-1.65	6.00-20.00	0.05-0.09	Low	0.0-0.5	0.05	0.20			
1954:												
Pintwater-------	0-4	10-18	1.35-1.55	2.00-6.00	0.08-0.10	Low	0.0-0.5	0.15	0.32	1	5	56
	4-15	10-18	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.10	0.32			
	15-19	---	---	0.00-0.01	---		---	---	---			
Wardenot--------	0-1	3-8	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.24	5	4	86
	1-60	5-10	1.35-1.55	6.00-20.00	0.04-0.08	Low	0.0-0.5	0.05	0.28			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
1954 (con.):												
Unsel----------	0-3	15-20	1.25-1.45	0.60-2.00	0.14-0.16	Moderate	0.0-0.5	0.24	0.43	3	6	48
	3-15	20-27	1.25-1.45	0.20-0.60	0.10-0.17	Moderate	0.0-0.5	0.20	0.37			
	15-28	10-25	1.35-1.55	0.60-2.00	0.07-0.12	Low	0.0-0.5	0.20	0.37			
	28-60	2-8	1.50-1.70	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
1955:												
Pintwater-------	0-4	10-18	1.35-1.55	2.00-6.00	0.08-0.10	Low	0.0-0.5	0.15	0.32	1	5	56
	4-15	10-18	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.10	0.32			
	15-19	---	---	0.00-0.01	---		---	---	---			
Stumble---------	0-5	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20	5	2	134
	5-38	3-10	1.40-1.60	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.17	0.20			
	38-60	3-10	1.40-1.60	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.10	0.20			
Downeyville-----	0-4	3-8	1.50-1.65	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.24	0.28	1	2	134
	4-10	18-27	1.25-1.45	0.60-2.00	0.09-0.11	Low	0.0-0.5	0.10	0.32			
	10-14	---	---	0.00-0.01	---		---	---	---			
1970:												
Linoyer---------	0-8	12-18	1.55-1.70	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.43	4	3	86
	8-54	12-18	1.55-1.70	0.60-2.00	0.05-0.18	Low	0.0-0.5	0.49	0.49			
	54-60	5-10	1.60-1.75	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.10	0.15			
Rebel----------	0-9	10-18	1.40-1.55	2.00-6.00	0.11-0.13	Low	0.6-2.0	0.49	0.49	5	3	86
	9-60	10-18	1.35-1.55	2.00-6.00	0.13-0.16	Low	0.0-0.6	0.20	0.24			
1990:												
Tognoni---------	0-5	10-18	1.30-1.50	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.32	1	5	56
	5-12	35-45	1.20-1.40	0.06-0.20	0.07-0.12	Moderate	0.0-0.5	0.10	0.43			
	12-16	---	---	0.00-0.01	---		---	---	---			
Tognoni---------	0-5	10-18	1.30-1.50	2.00-6.00	0.08-0.10	Low	0.0-0.5	0.10	0.32	1	5	56
	5-12	35-45	1.20-1.40	0.06-0.20	0.07-0.12	Moderate	0.0-0.5	0.10	0.43			
	12-16	---	---	0.00-0.01	---		---	---	---			
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.32	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
2040:												
Rock Outcrop.												
Silverbow-------	0-2	10-18	1.30-1.50	2.00-6.00	0.08-0.10	Low	0.0-0.5	0.10	0.37	1	5	56
	2-12	20-35	1.25-1.45	0.20-0.60	0.08-0.12	Low	0.0-0.5	0.05	0.28			
	12-19	---	---	0.00-0.01	---		---	---	---			
	19-36	---	---	0.00-0.01	---		---	---	---			
2080:												
Maggie----------	0-4	12-22	1.35-1.55	0.60-2.00	0.06-0.11	Low	0.0-0.5	0.15	0.55	1	6	48
	4-8	18-30	1.25-1.45	0.60-2.00	0.06-0.11	Low	0.0-0.5	0.05	0.37			
	8-12	10-20	1.35-1.55	2.00-6.00	0.02-0.08	Low	0.0-0.5	0.02	0.28			
	12-22	---	---	0.00-0.01	---		---	---	---			
	22-26	---	---	0.00-0.01	---		---	---	---			
Pintwater-------	0-4	10-18	1.35-1.55	2.00-6.00	0.08-0.10	Low	0.0-0.5	0.15	0.32	1	5	56
	4-15	10-18	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.10	0.32			
	15-19	---	---	0.00-0.01	---		---	---	---			
Izo----------	0-5	3-8	1.40-1.60	6.00-20.00	0.04-0.05	Low	0.0-0.5	0.15	0.17	5	3	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.02-0.04	Low	0.0-0.5	0.02	0.10			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
2081:												
Maggie----------	0-4	12-22	1.35-1.55	0.60-2.00	0.06-0.11	Low	0.0-0.5	0.15	0.55	1	6	48
	4-8	18-30	1.25-1.45	0.60-2.00	0.06-0.11	Low	0.0-0.5	0.05	0.37			
	8-12	10-20	1.35-1.55	2.00-6.00	0.02-0.08	Low	0.0-0.5	0.02	0.28			
	12-22	---	---	0.00-0.01	---		---	---	---			
	22-26	---	---	0.00-0.01	---		---	---	---			
Stewval---------	0-1	12-18	1.35-1.50	2.00-6.00	0.07-0.09	Low	0.5-2.0	0.15	0.43	1	5	56
	1-4	24-30	1.30-1.45	0.60-2.00	0.04-0.09	Low	0.5-1.0	0.10	0.43			
	4-8	---	---	0.00-0.01	---		---	---	---			
Pintwater-------	0-4	10-18	1.35-1.55	2.00-6.00	0.08-0.11	Low	0.0-0.5	0.10	0.32	1	5	56
	4-15	10-18	1.35-1.50	2.00-6.00	0.06-0.09	Low	0.0-0.5	0.05	0.32			
	15-19	---	---	0.00-0.01	---		---	---	---			
2100:												
Rock Outcrop.												
Blappert--------	0-3	10-18	1.30-1.50	6.00-20.00	0.05-0.07	Low	0.5-1.0	0.05	0.32	2	5	56
	3-9	18-27	1.40-1.60	0.60-2.00	0.05-0.07	Low	0.0-0.5	0.10	0.32			
	9-13	---	---	0.00-0.06	---		---	---	---			
2110:												
Luning----------	0-3	3-10	1.50-1.65	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.24	0.24	5	2	134
	3-60	3-10	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.15	0.24			
Hawsley---------	0-4	5-12	1.50-1.65	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.15	5	2	134
	4-60	0-5	1.50-1.70	>20.00	0.06-0.08	Low	0.0-0.5	0.10	0.10			
Bluewing--------	0-3	3-10	1.55-1.70	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.05	0.24	5	4	86
	3-60	3-10	1.55-1.75	>20.00	0.04-0.06	Low	0.0-0.5	0.05	0.28			
2111:												
Luning----------	0-3	3-10	1.50-1.65	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.24	0.24	5	2	134
	3-60	3-10	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.15	0.24			
Izo----------	0-5	0-5	1.50-1.70	>20.00	0.02-0.04	Low	0.0-0.5	0.05	0.20	5	3	86
	5-60	0-5	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.10			
2120:												
Tert----------	0-5	18-27	1.25-1.45	0.60-2.00	0.15-0.17	Moderate	1.0-2.0	0.43	0.49	1	4L	86
	5-9	---	---	0.00-0.01	---		---	---	---			
Whilphang-------	0-7	10-18	1.35-1.55	0.60-2.00	0.11-0.13	Low	0.5-1.0	0.28	0.37	2	3	86
	7-12	10-18	1.35-1.55	0.60-2.00	0.13-0.15	Low	0.5-1.0	0.24	0.43			
	12-16	---	---	0.00-0.01	---		---	---	---			
Geer----------	0-4	5-18	1.30-1.50	0.60-2.00	0.14-0.16	Low	0.5-1.0	0.37	0.37	5	3	86
	4-60	5-18	1.30-1.50	0.60-2.00	0.15-0.17	Low	0.0-1.0	0.32	0.32			
2121:												
Tert----------	0-5	18-27	1.25-1.45	0.60-2.00	0.15-0.17	Moderate	1.0-2.0	0.43	0.49	1	4L	86
	5-9	---	---	0.00-0.01	---		---	---	---			
Roic----------	0-1	8-12	1.40-1.60	2.00-6.00	0.10-0.12	Low	0.0-0.5	0.15	0.28	1	4	86
	1-5	12-18	1.40-1.60	2.00-6.00	0.12-0.15	Low	0.0-0.5	0.43	0.43			
	5-9	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
2130:												
Roic----------	0-1	8-12	1.40-1.60	2.00-6.00	0.10-0.12	Low	0.0-0.5	0.15	0.28	1	4	86
	1-5	12-18	1.40-1.60	2.00-6.00	0.12-0.15	Low	0.0-0.5	0.43	0.43			
	5-9	---	---	0.00-0.01	---		---	---	---			
Koyen----------	0-4	5-15	1.30-1.45	2.00-6.00	0.10-0.12	Low	0.5-0.7	0.20	0.32	4	4	86
	4-27	10-18	1.35-1.55	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.37			
	27-60	0-10	1.50-1.65	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.24			
2131:												
Rock Outcrop.												
Roic----------	0-1	10-15	1.30-1.50	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.32	1	5	56
	1-5	12-18	1.40-1.60	2.00-6.00	0.12-0.15	Low	0.0-0.5	0.43	0.43			
	5-9	---	---	0.00-0.01	---		---	---	---			
Vindicator------	0-4	10-18	1.40-1.60	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.32	1	4	86
	4-14	20-30	1.30-1.50	0.60-2.00	0.09-0.14	Moderate	0.0-0.5	0.05	0.43			
	14-18	---	---	0.00-0.01	---		---	---	---			
2140:												
Advokay---------	0-5	12-18	1.35-1.55	2.00-6.00	0.09-0.11	Low	0.0-0.5	0.15	0.28	1	4	86
	5-9	20-35	1.25-1.45	0.20-0.60	0.11-0.14	Moderate	0.0-0.5	0.10	0.20			
	9-13	---	---	0.00-0.01	---		---	---	---			
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.24	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
Itme----------	0-4	3-8	1.45-1.65	>20.00	0.05-0.08	Low	0.0-0.5	0.05	0.24	5	3	86
	4-60	0-8	1.45-1.65	>20.00	0.04-0.06	Low	0.0-0.5	0.05	0.20			
2141:												
Advokay---------	0-5	12-18	1.35-1.55	2.00-6.00	0.09-0.11	Low	0.0-0.5	0.15	0.28	1	4	86
	5-9	20-35	1.25-1.45	0.20-0.60	0.11-0.14	Moderate	0.0-0.5	0.10	0.20			
	9-13	---	---	0.00-0.01	---		---	---	---			
Blacktop--------	0-6	10-18	1.30-1.50	0.60-2.00	0.04-0.08	Low	0.0-0.5	0.20	0.24	1	5	56
	6-10	---	---	0.00-0.02	---		---	---	---			
2150:												
Gynelle---------	0-3	2-5	1.55-1.75	>20.00	0.03-0.04	Low	0.0-0.5	0.02	0.24	5	4	86
	3-60	2-10	1.55-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.20			
2170:												
Lathrop---------	0-5	12-18	1.30-1.50	2.00-6.00	0.09-0.11	Low	0.0-0.5	0.10	0.37	5	5	56
	5-11	20-30	1.20-1.40	0.20-0.60	0.13-0.17	Moderate	0.0-0.5	0.17	0.32			
	11-30	0-5	1.40-1.60	0.60-2.00	0.04-0.06	Low	0.0-0.5	0.02	0.20			
	30-60	0-3	1.40-1.60	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.20			
Leo----------	0-6	5-15	1.45-1.65	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.05	0.17	5	5	56
	6-60	0-5	1.50-1.65	6.00-20.00	0.04-0.06	Low	0.0-0.5	0.02	0.20			
2180:												
Armoine---------	0-5	8-12	1.30-1.50	2.00-6.00	0.05-0.07	Low	0.8-2.0	0.05	0.32	2	5	56
	5-15	18-25	1.30-1.50	0.60-2.00	0.06-0.09	Low	0.5-1.0	0.05	0.32			
	15-19	---	---	0.00-0.20	---		---	---	---			
Beelem----------	0-3	10-18	1.40-1.55	2.00-6.00	0.07-0.09	Low	0.5-1.0	0.20	0.32	1	4	86
	3-6	10-18	1.40-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.20	0.32			
	6-10	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
2181:												
Rock Outcrop.												
Armoine---------	0-5	8-12	1.30-1.50	2.00-6.00	0.05-0.07	Low	0.8-2.0	0.05	0.32	2	5	56
	5-15	18-25	1.30-1.50	0.60-2.00	0.06-0.09	Low	0.5-1.0	0.05	0.32			
	15-19	---	---	0.00-0.20	---		---	---	---			
2220:												
Enko----------	0-5	10-18	1.35-1.45	2.00-6.00	0.11-0.15	Low	1.0-2.0	0.43	0.49	5	3	86
	5-15	10-18	1.40-1.50	2.00-6.00	0.12-0.17	Low	0.5-1.0	0.43	0.49			
	15-31	10-18	1.55-1.65	0.60-2.00	0.12-0.17	Low	0.0-0.5	0.43	0.49			
	31-60	10-18	1.65-1.70	0.06-0.20	0.10-0.13	Low	0.0-0.5	0.37	0.43			
Orovada---------	0-5	5-10	1.35-1.50	2.00-6.00	0.13-0.15	Low	0.9-2.0	0.43	0.43	5	3	86
	5-22	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.49			
	22-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
2230:												
Rotinom---------	0-8	15-25	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.55	0.55	5	4L	86
	8-60	18-27	1.30-1.50	0.20-0.60	0.17-0.19	Moderate	0.0-0.5	0.55	0.55			
Wholan----------	0-4	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.0-0.5	0.55	0.55	5	3	86
	4-60	5-15	1.35-1.50	0.60-2.00	0.16-0.19	Low	0.0-0.5	0.55	0.55			
Wholan----------	0-4	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.0-0.5	0.55	0.55	5	3	86
	4-60	5-15	1.35-1.50	0.60-2.00	0.16-0.19	Low	0.0-0.5	0.55	0.55			
2240:												
Unius----------	0-5	18-25	1.25-1.40	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.28	0.43	1	6	48
	5-11	18-25	1.40-1.60	0.60-2.00	0.16-0.21	Moderate	0.0-0.5	0.37	0.49			
	11-24	---	---	0.00-0.01	---		---	---	---			
	24-60	5-8	1.50-1.70	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.10	0.20			
Orovada---------	0-5	5-10	1.35-1.50	2.00-6.00	0.13-0.15	Low	0.9-2.0	0.43	0.43	5	3	86
	5-22	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.43			
	22-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
2241:												
Unius----------	0-5	18-25	1.25-1.40	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.28	0.43	1	5	56
	5-11	18-25	1.40-1.60	0.60-2.00	0.16-0.21	Moderate	0.0-0.5	0.37	0.49			
	11-24	---	---	0.00-0.01	---		---	---	---			
	24-60	5-8	1.50-1.70	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.10	0.20			
Defler----------	0-3	8-18	1.40-1.60	2.00-6.00	0.07-0.10	Low	0.0-0.5	0.24	0.32	5	4	86
	3-20	8-18	1.15-1.35	2.00-6.00	0.05-0.08	Low	0.0-0.5	0.15	0.43			
	20-60	5-10	1.20-1.40	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.24			
2250:												
Muni----------	0-5	14-20	1.35-1.50	2.00-6.00	0.12-0.15	Low	0.8-2.0	0.32	0.37	1	3	86
	5-14	18-35	1.40-1.60	0.20-0.60	0.16-0.20	Moderate	0.5-1.0	0.32	0.37			
	14-29	---	---	0.00-0.01	---		---	---	---			
	29-60	5-10	1.50-1.65	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.05	0.17			
Orovada---------	0-5	5-10	1.35-1.50	2.00-6.00	0.13-0.15	Low	0.9-2.0	0.43	0.43	5	3	86
	5-22	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.43			
	22-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
Unius----------	0-5	18-25	1.25-1.40	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.28	0.43	1	5	56
	5-11	18-25	1.40-1.60	0.60-2.00	0.16-0.21	Moderate	0.0-0.5	0.37	0.49			
	11-24	---	---	0.00-0.01	---		---	---	---			
	24-60	5-8	1.50-1.70	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.10	0.20			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
2252:												
Muni----------	0-5	14-18	1.35-1.60	2.00-6.00	0.12-0.14	Low	0.8-2.0	0.28	0.32	1	4	86
	5-14	18-35	1.40-1.60	0.20-0.60	0.16-0.20	Moderate	0.5-1.0	0.32	0.37			
	14-29	---	---	0.00-0.01	---		---	---	---			
	29-60	5-10	1.50-1.65	6.00-20.00	0.05-0.07	Low	0.0-0.5	0.05	0.17			
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
Rebel----------	0-9	10-18	1.35-1.50	2.00-6.00	0.15-0.17	Low	0.6-2.0	0.55	0.55	5	3	86
	9-60	10-18	1.35-1.55	2.00-6.00	0.13-0.16	Low	0.0-0.6	0.20	0.24			
2271:												
Buffaran--------	0-4	20-27	1.10-1.25	0.20-0.60	0.10-0.15	Moderate	2.0-4.0	0.28	0.49	1	7	38
	4-15	35-50	1.15-1.30	0.06-0.20	0.12-0.15	High	0.0-1.0	0.24	0.32			
	15-29	---	---	0.00-0.01	---		---	---	---			
	29-60	---	---	0.00-0.01	---		---	---	---			
Wieland---------	0-8	18-27	1.15-1.30	0.60-2.00	0.10-0.15	Low	1.0-2.0	0.32	0.43	5	7	38
	8-23	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	23-36	27-35	1.45-1.60	0.06-0.20	0.10-0.17	Moderate	0.0-0.5	0.28	0.55			
	36-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.32	0.32			
2272:												
Buffaran--------	0-4	18-27	1.10-1.25	0.60-2.00	0.13-0.16	Moderate	1.0-2.0	0.32	0.43	1	7	38
	4-15	35-50	1.15-1.30	0.06-0.20	0.12-0.15	High	0.5-1.0	0.28	0.37			
	15-29	---	---	0.00-0.01	---		---	---	---			
	29-60	---	---	0.00-0.01	---		---	---	---			
Pineval---------	0-4	10-20	1.35-1.55	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.28	0.49	5	6	48
	4-13	25-35	1.15-1.30	0.20-0.60	0.10-0.12	Moderate	0.0-0.5	0.17	0.55			
	13-60	5-10	1.40-1.60	0.60-2.00	0.04-0.06	Low	0.0-0.5	0.15	0.24			
2290:												
Spasprey--------	0-5	12-20	1.30-1.50	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.32	0.32	3	4	86
	5-21	20-35	1.35-1.50	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.28	0.32			
	21-32	---	---	0.00-0.01	---		---	---	---			
	32-60	5-12	1.70-1.90	2.00-6.00	0.08-0.13	Low	0.0-0.5	0.17	0.20			
Alley----------	0-6	10-20	1.30-1.40	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.20	0.37	5	6	48
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
2291:												
Spasprey--------	0-5	12-20	1.30-1.50	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.32	0.32	3	4	86
	5-21	20-35	1.35-1.50	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.28	0.32			
	21-32	---	---	0.00-0.01	---		---	---	---			
	32-60	5-12	1.70-1.90	2.00-6.00	0.08-0.13	Low	0.0-0.5	0.17	0.20			
Buffaran--------	0-4	10-20	1.20-1.35	0.60-2.00	0.06-0.09	Low	1.0-2.0	0.15	0.32	1	5	56
	4-15	35-50	1.15-1.30	0.06-0.20	0.12-0.15	High	0.5-1.0	0.28	0.37			
	15-29	---	---	0.00-0.01	---		---	---	---			
	29-60	---	---	0.00-0.01	---		---	---	---			
Orovada---------	0-5	5-10	1.35-1.50	2.00-6.00	0.13-0.15	Low	0.9-2.0	0.43	0.43	5	3	86
	5-22	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.43			
	22-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
2300:												
Kelk----------	0-6	15-20	1.15-1.30	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.49	0.49	5	3	86
	6-42	18-27	1.40-1.60	0.06-0.20	0.19-0.21	Moderate	0.5-1.0	0.49	0.49			
	42-60	18-27	1.40-1.60	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.49			
Settlemeyer-----	0-3	10-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	1.0-4.0	0.28	0.32	4	3	86
	3-20	27-35	1.25-1.40	0.20-0.60	0.16-0.17	Moderate	0.5-2.0	0.37	0.37			
	20-60	12-20	1.30-1.40	0.20-2.00	0.07-0.11	Low	0.0-0.5	0.28	0.43			
2320:												
Rosney----------	0-3	5-10	1.30-1.50	0.60-2.00	0.17-0.19	Low	0.0-0.5	0.64	0.64	5	4L	86
	3-15	10-18	1.10-1.30	0.60-2.00	0.17-0.19	Low	0.0-0.5	0.49	0.49			
	15-60	25-35	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.0-0.5	0.49	0.49			
Kelk----------	0-6	18-27	1.15-1.30	0.60-2.00	0.19-0.21	Moderate	1.0-2.0	0.55	0.55	5	6	48
	6-42	18-27	1.40-1.60	0.06-0.20	0.19-0.21	Moderate	0.5-1.0	0.49	0.49			
	42-60	18-27	1.40-1.60	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.49			
Kelk----------	0-6	18-27	1.15-1.30	0.60-2.00	0.19-0.21	Moderate	1.0-2.0	0.55	0.55	5	6	48
	6-42	18-27	1.40-1.60	0.06-0.20	0.19-0.21	Moderate	0.0-0.5	0.49	0.49			
	42-60	18-27	1.40-1.60	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.49			
2321:												
Rosney----------	0-3	5-10	1.30-1.50	0.60-2.00	0.17-0.19	Low	0.0-0.5	0.64	0.64	5	4L	86
	3-15	10-18	1.10-1.30	0.60-2.00	0.17-0.19	Low	0.0-0.5	0.49	0.49			
	15-60	25-35	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.0-0.5	0.49	0.49			
Dunphy----------	0-15	10-15	1.30-1.35	0.60-2.00	0.19-0.21	Low	0.8-1.0	0.49	0.49	5	4L	86
	15-30	10-15	1.30-1.40	0.20-0.60	0.16-0.18	Low	0.0-0.5	0.37	0.37			
	30-45	5-10	1.35-1.40	0.60-6.00	0.13-0.15	Low	0.0-0.5	0.32	0.43			
	45-60	0-5	1.50-1.60	>20.00	0.03-0.05	Low	0.0-0.5	0.10	0.20			
Paranat---------	0-18	18-27	1.05-1.20	0.20-0.60	0.20-0.22	Moderate	1.0-3.0	0.55	0.55	5	4L	86
	18-38	18-35	1.10-1.25	0.20-0.60	0.19-0.22	Moderate	1.0-2.0	0.49	0.49			
	38-60	18-35	1.20-1.40	0.20-0.60	0.18-0.20	Moderate	0.5-1.0	0.37	0.37			
2330:												
Cliffdown-------	0-3	10-15	1.40-1.55	2.00-6.00	0.07-0.08	Low	0.0-0.5	0.24	0.43	5	4	86
	3-60	5-15	1.40-1.60	2.00-6.00	0.06-0.07	Low	0.0-0.5	0.20	0.37			
Lyx----------	0-3	5-10	1.50-1.65	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.05	0.24	5	3	86
	3-11	10-18	1.35-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.28			
	11-60	5-10	1.50-1.70	6.00-20.00	0.04-0.07	Low	0.0-0.5	0.02	0.05			
2340:												
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
Portmount-------	0-4	5-15	1.45-1.65	2.00-6.00	0.11-0.12	Low	0.7-2.0	0.28	0.37	5	3	86
	4-12	15-25	1.45-1.65	0.60-2.00	0.13-0.15	Low	0.0-0.5	0.20	0.24			
	12-60	5-15	1.50-1.70	2.00-6.00	0.08-0.09	Low	0.0-0.5	0.20	0.43			
Rebel----------	0-9	10-15	1.35-1.50	2.00-6.00	0.09-0.12	Low	0.5-0.8	0.24	0.24	5	3	86
	9-60	10-18	1.35-1.55	2.00-6.00	0.13-0.15	Low	0.0-0.6	0.20	0.24			
2341:												
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
2341 (con.):												
Wiffo----------	0-9	10-18	1.40-1.60	0.60-2.00	0.09-0.11	Low	1.0-2.0	0.10	0.32	3	6	48
	9-25	8-15	1.55-1.70	2.00-6.00	0.04-0.06	Low	0.5-1.0	0.05	0.32			
	25-60	5-15	1.55-1.70	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.05	0.32			
Wrango----------	0-2	5-12	1.35-1.50	0.60-2.00	0.07-0.09	Low	0.5-1.0	0.32	0.37	2	4	86
	2-12	5-12	1.40-1.60	0.60-2.00	0.06-0.08	Low	0.5-1.0	0.32	0.37			
	12-60	0-8	1.50-1.70	>20.00	0.03-0.05	Low	0.0-0.5	0.10	0.20			
2342:												
Alley----------	0-6	10-20	1.30-1.40	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.20	0.37	5	6	48
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
Kelk----------	0-6	15-20	1.15-1.30	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.49	0.49	5	3	86
	6-42	18-27	1.40-1.60	0.06-0.20	0.19-0.21	Moderate	0.5-1.0	0.49	0.49			
	42-60	18-27	1.40-1.60	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.49			
2343:												
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
Pineval---------	0-4	10-20	1.35-1.55	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.28	0.49	5	6	48
	4-13	25-35	1.15-1.30	0.20-0.60	0.10-0.12	Moderate	0.0-0.5	0.17	0.55			
	13-60	5-10	1.40-1.60	0.60-2.00	0.04-0.06	Low	0.0-0.5	0.15	0.24			
Portmount-------	0-4	5-15	1.45-1.65	2.00-6.00	0.08-0.09	Low	0.7-2.0	0.20	0.37	5	4	86
	4-12	15-25	1.45-1.65	0.60-2.00	0.13-0.15	Low	0.0-0.5	0.20	0.24			
	12-60	5-15	1.50-1.70	2.00-6.00	0.08-0.09	Low	0.0-0.5	0.20	0.43			
2344:												
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
Buffaran--------	0-4	18-27	1.10-1.25	0.60-2.00	0.13-0.16	Moderate	1.0-2.0	0.32	0.43	1	7	38
	4-15	35-50	1.15-1.30	0.06-0.20	0.12-0.15	High	0.5-1.0	0.28	0.37			
	15-29	---	---	0.00-0.01	---		---	---	---			
	29-60	---	---	0.00-0.01	---		---	---	---			
Spasprey--------	0-5	12-20	1.30-1.50	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.32	0.32	3	4	86
	5-21	20-35	1.35-1.50	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.28	0.32			
	21-32	---	---	0.00-0.01	---		---	---	---			
	32-60	5-12	1.70-1.90	2.00-6.00	0.08-0.13	Low	0.0-0.5	0.17	0.20			
2345:												
Alley----------	0-6	10-20	1.30-1.40	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.20	0.37	5	6	48
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
Wieland---------	0-8	18-27	1.15-1.30	0.60-2.00	0.10-0.15	Low	1.0-2.0	0.32	0.43	5	5	56
	8-23	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	23-36	27-35	1.45-1.60	0.06-0.20	0.10-0.17	Moderate	0.0-0.5	0.28	0.55			
	36-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.32	0.32			
Pineval---------	0-4	10-20	1.35-1.55	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.28	0.49	5	6	48
	4-13	25-35	1.15-1.30	0.20-0.60	0.10-0.12	Moderate	0.0-0.5	0.17	0.55			
	13-60	5-10	1.40-1.60	0.60-2.00	0.04-0.06	Low	0.0-0.5	0.15	0.24			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	g/cc	In/hr	In/in		Pct					
2360:												
Dewar----------	0-3	18-25	1.15-1.25	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.37	0.43	1	7	38
	3-7	27-35	1.20-1.35	0.20-0.60	0.12-0.16	Moderate	0.5-1.0	0.37	0.43			
	7-15	15-27	1.15-1.35	0.60-2.00	0.12-0.16	Low	0.5-1.0	0.43	0.64			
	15-44	---	---	0.00-0.01	---		---	---	---			
	44-60	---	---	0.00-0.20	---		---	---	---			
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
2361:												
Dewar----------	0-3	15-20	1.15-1.25	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.37	0.43	1	6	48
	3-15	27-35	1.20-1.35	0.20-0.60	0.15-0.17	Moderate	0.0-1.0	0.24	0.43			
	15-60	---	---	0.00-0.01	---		---	---	---			
Shabliss--------	0-6	10-16	1.35-1.55	0.60-2.00	0.11-0.14	Low	1.0-2.0	0.28	0.55	2	6	48
	6-12	5-15	1.35-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.55	0.55			
	12-16	---	---	0.00-0.02	---		---	---	---			
	16-60	0-5	1.50-1.65	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.05	0.20			
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
2400:												
Zaidy----------	0-4	12-18	1.30-1.45	2.00-6.00	0.06-0.09	Low	1.0-3.0	0.10	0.28	2	5	56
	4-22	25-35	1.30-1.50	0.20-0.60	0.13-0.15	Moderate	0.5-2.0	0.28	0.43			
	22-60	---	---	0.00-0.01	---		---	---	---			
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
Portmount-------	0-4	5-15	1.45-1.65	2.00-6.00	0.08-0.09	Low	0.7-2.0	0.20	0.37	5	4	86
	4-12	15-25	1.45-1.65	0.60-2.00	0.13-0.15	Low	0.0-0.5	0.20	0.24			
	12-60	5-15	1.50-1.70	2.00-6.00	0.08-0.09	Low	0.0-0.5	0.20	0.43			
2401:												
Zaidy----------	0-4	12-18	1.30-1.45	2.00-6.00	0.06-0.09	Low	1.0-3.0	0.10	0.28	2	5	56
	4-22	25-35	1.30-1.50	0.20-0.60	0.13-0.15	Moderate	0.5-2.0	0.28	0.43			
	22-60	---	---	0.00-0.01	---		---	---	---			
Ricert----------	0-6	12-20	1.40-1.55	2.00-6.00	0.10-0.12	Low	0.0-0.8	0.20	0.37	4	4	86
	6-18	25-35	1.30-1.50	0.20-0.60	0.18-0.20	Moderate	0.0-0.5	0.32	0.32			
	18-31	22-32	1.40-1.60	0.60-2.00	0.17-0.19	Moderate	0.0-0.5	0.37	0.43			
	31-60	6-16	1.40-1.55	2.00-6.00	0.03-0.07	Low	0.0-0.2	0.05	0.20			
Alley----------	0-6	5-10	1.35-1.45	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.28	5	4	86
	6-16	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	16-60	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
2410:												
Settlemeyer-----	0-20	18-27	1.25-1.40	0.60-2.00	0.19-0.21	Moderate	1.0-2.0	0.49	0.49	5	6	48
	20-60	27-35	1.25-1.40	0.20-0.60	0.11-0.15	Moderate	0.5-2.0	0.24	0.24			
2430:												
Rose Creek------	0-11	10-15	1.30-1.45	0.60-2.00	0.14-0.16	Low	1.0-2.0	0.32	0.37	5	5	56
	11-60	10-18	1.50-1.70	2.00-6.00	0.13-0.15	Low	0.5-1.0	0.28	0.37			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2431:												
Rose Creek------	0-11	10-15	1.30-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.37	0.37	5	5	56
	11-60	10-18	1.50-1.70	2.00-6.00	0.13-0.15	Low	0.5-2.0	0.28	0.37			
2440:												
Paranat---------	0-18	18-27	1.05-1.20	0.20-0.60	0.20-0.22	Moderate	1.0-3.0	0.55	0.55	5	4L	86
	18-38	18-35	1.10-1.25	0.20-0.60	0.19-0.22	Moderate	1.0-2.0	0.49	0.49			
	38-60	18-35	1.20-1.40	0.20-0.60	0.18-0.20	Moderate	0.5-1.0	0.37	0.37			

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1000:								
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
1001:								
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
Koyen----------	0-4	0-6	0.0-4.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-4	1-12
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-4	1-12
1004:								
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
Eastgate--------	0-5	3-6	0.0-5.0	7.9-9.0	1-5	---	0-2	0-5
	5-17	8-12	5.0-10.0	7.9-9.0	0-5	---	0-2	0-5
	17-25	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
	25-60	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
1005:								
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Eastgate--------	0-5	3-6	0.0-5.0	7.9-9.0	1-5	---	0-2	0-5
	5-17	8-12	5.0-10.0	7.9-9.0	0-5	---	0-2	0-5
	17-25	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
	25-60	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
1021:								
Easychair-------	0-11	18-27	13.0-20.0	7.9-9.0	1-10	---	0-2	0-5
	11-60	18-25	13.0-18.0	7.9-9.0	1-10	---	0-2	0-5
Penoyer---------	0-3	10-18	5.0-10.0	7.9-9.0	10-30	---	0-4	0-12
	3-60	10-18	5.0-10.0	7.9-9.0	10-30	0-5	0-4	0-12
1031:								
Eastgate--------	0-5	8-12	5.0-10.0	7.9-9.0	1-5	---	0-2	0-5
	5-17	8-12	5.0-10.0	7.9-9.0	0-5	---	0-2	0-5
	17-25	2-8	0.0-5.0	8.5-9.6	10-25	---	0-2	0-5
	25-60	2-8	0.0-5.0	8.5-9.6	10-25	---	0-2	0-5
1035:								
Eastgate--------	0-5	3-6	0.0-5.0	7.9-9.0	1-5	---	0-2	0-5
	5-17	8-12	5.0-10.0	7.9-9.0	0-5	---	0-2	0-5
	17-25	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
	25-60	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
Lyx----------	0-3	5-10	3.0-7.0	7.9-9.0	---	---	0-2	0-5
	3-11	10-18	7.0-15.0	7.9-9.0	0-1	---	0-2	0-5
	11-60	5-10	3.0-7.0	7.9-9.0	5-15	---	0-2	0-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1035 (con.):								
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
1039:								
Eastgate--------	0-5	3-6	0.0-5.0	7.9-9.0	1-5	---	0-2	0-5
	5-17	8-12	5.0-10.0	7.9-9.0	0-5	---	0-2	0-5
	17-25	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
	25-60	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
Lyx----------	0-3	5-10	3.0-7.0	7.9-9.0	---	---	0-2	0-5
	3-11	10-18	7.0-15.0	7.9-9.0	0-1	---	0-2	0-5
	11-60	5-10	3.0-7.0	7.9-9.0	5-15	---	0-2	0-5
1050:								
Schwalbe--------	0-4	8-18	5.0-15.0	6.6-7.8	---	---	---	---
	4-12	8-18	5.0-15.0	6.6-7.8	---	---	---	---
	12-22	6-18	4.0-13.0	6.6-7.8	---	---	---	---
	22-26	---	---	---	---	---	---	---
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Bellehelen------	0-5	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	5-11	18-35	10.0-30.0	6.6-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
1060:								
Celeton---------	0-2	8-15	5.0-10.0	7.4-9.0	1-5	---	0-4	0-2
	2-9	5-15	5.0-10.0	7.4-9.0	1-5	---	0-2	0-2
	9-13	---	---	---	---	---	---	---
Celeton---------	0-2	5-15	5.0-10.0	7.4-9.0	1-5	---	0-4	0-2
	2-9	5-15	5.0-10.0	7.4-9.0	1-5	---	0-2	0-2
	9-13	---	---	---	---	---	---	---
Badland---------	0-60	---	---	---	---	---	---	---
1061:								
Celeton---------	0-2	8-15	5.0-10.0	7.4-9.0	1-5	---	0-4	0-2
	2-9	5-15	5.0-10.0	7.4-9.0	1-5	---	0-2	0-2
	9-13	---	---	---	---	---	---	---
Vigus----------	0-4	5-10	3.0-10.0	6.6-8.4	0-5	---	0-4	0-2
	4-11	18-27	10.0-20.0	7.9-9.0	0-5	---	0-4	1-12
	11-60	10-15	5.0-15.0	7.9-9.6	10-20	---	0-4	13-30
Whirlo----------	0-9	5-15	3.0-10.0	6.6-8.4	0-1	---	0-4	5-12
	9-20	5-15	3.0-10.0	6.6-8.4	0-1	---	2-8	13-30
	20-60	5-15	3.0-10.0	7.9-9.0	1-5	---	4-16	13-45
1071:								
Rock Outcrop.								
Singatse--------	0-2	5-15	3.0-10.0	7.9-9.0	1-10	---	0-2	0-2
	2-10	5-15	3.0-10.0	7.9-9.0	1-10	---	0-2	0-2
	10-14	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Theon----------	0-3	10-20	6.0-13.0	6.6-8.4	0-1	---	0-2	0-12
	3-11	25-35	15.0-22.0	6.6-9.0	0-1	---	0-2	1-12
	11-15	---	---	---	---	---	---	---
1076:								
Singatse--------	0-2	5-15	3.0-10.0	7.9-9.0	1-10	---	0-2	0-2
	2-10	5-15	3.0-10.0	7.9-9.0	1-10	---	0-2	0-2
	10-14	---	---	---	---	---	---	---
Hawsley---------	0-4	5-12	3.0-10.0	6.6-8.4	---	---	---	---
	4-60	0-5	1.0-5.0	7.4-9.0	1-5	---	0-2	1-5
1090:								
Univega---------	0-4	3-8	2.0-6.0	7.9-9.0	0-5	---	0-2	0-5
	4-13	8-18	6.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	13-42	---	---	---	---	---	---	---
	42-60	2-8	2.0-5.0	7.9-9.0	5-15	---	0-2	0-5
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-4	1-12
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-4	1-12
Watoopah--------	0-3	3-8	5.0-10.0	6.6-7.8	---	---	0-2	0-5
	3-12	10-18	5.0-15.0	6.6-7.8	---	---	0-2	0-5
	12-36	0-5	0.0-5.0	7.4-8.4	0-10	---	0-2	0-5
	36-60	0-5	0.0-5.0	7.9-9.0	5-15	---	0-4	1-12
1092:								
Univega---------	0-4	3-8	2.0-6.0	7.9-9.0	0-5	---	0-2	0-5
	4-13	8-18	6.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	13-42	---	---	---	---	---	---	---
	42-60	2-8	2.0-5.0	7.9-9.0	5-15	---	0-2	0-5
1093:								
Univega---------	0-4	15-20	10.0-15.0	7.9-9.0	0-5	---	0-2	0-5
	4-13	8-18	6.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	13-42	---	---	---	---	---	---	---
	42-60	2-8	2.0-5.0	7.9-9.0	5-15	---	0-2	0-5
Jevets----------	0-5	3-8	2.0-5.0	7.9-9.0	0-1	---	0-2	0-5
	5-23	3-8	2.0-5.0	7.9-9.0	0-5	---	0-2	0-5
	23-27	8-18	5.0-15.0	7.9-9.0	1-10	---	0-2	0-5
	27-40	---	---	---	---	---	---	---
Univega---------	0-4	15-20	10.0-15.0	7.9-9.0	0-5	---	0-2	0-5
	4-13	8-18	6.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	13-42	---	---	---	---	---	---	---
	42-60	2-8	2.0-5.0	7.9-9.0	5-15	---	0-2	0-5
1100:								
Gabbvally-------	0-2	10-18	5.0-20.0	6.6-7.8	---	---	0-2	0-5
	2-9	18-27	10.0-20.0	6.6-7.8	---	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1130:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
1131:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	1-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Geer----------	0-4	5-18	5.0-15.0	7.9-8.4	1-10	---	0-2	0-5
	4-60	5-18	5.0-15.0	7.9-9.0	5-15	---	2-4	1-5
1132:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Hollywell-------	0-5	3-10	10.0-15.0	7.9-9.0	1-5	---	0-4	1-5
	5-11	8-15	12.0-18.0	7.9-9.0	1-5	---	0-4	1-5
	11-60	3-10	12.0-18.0	7.9-9.0	1-5	---	0-4	6-12
Roic----------	0-1	8-12	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	1-5	12-18	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	5-9	---	---	---	---	---	---	---
1133:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Geer----------	0-4	5-18	5.0-15.0	7.9-8.4	1-10	---	0-2	0-5
	4-60	5-18	5.0-15.0	7.9-9.0	5-15	---	2-4	1-5
1134:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Hollywell-------	0-5	2-6	1.0-5.0	7.9-9.0	1-5	---	0-4	1-5
	5-11	8-15	3.0-12.0	7.9-9.0	1-5	---	0-4	1-5
	11-33	5-12	4.0-10.0	7.9-9.0	1-5	---	0-4	1-5
	33-60	0-6	1.0-5.0	7.9-9.0	1-5	---	0-4	1-12
Lyx----------	0-3	5-10	3.0-7.0	7.9-9.0	---	---	0-2	0-5
	3-11	10-18	7.0-15.0	7.9-9.0	0-1	---	0-2	0-5
	11-60	5-10	3.0-7.0	7.9-9.0	5-15	---	0-2	0-5
1135:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Watoopah--------	0-3	3-8	5.0-10.0	6.6-7.8	---	---	0-2	1-5
	3-12	10-18	5.0-15.0	6.6-7.8	---	---	0-2	1-5
	12-36	0-5	0.0-5.0	7.4-8.4	0-10	---	0-2	1-5
	36-60	0-5	0.0-5.0	7.9-9.0	5-15	---	0-4	1-12
1136:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Eastgate--------	0-5	3-6	0.0-5.0	7.9-9.0	1-5	---	0-2	0-5
	5-17	8-12	5.0-10.0	7.9-9.0	0-5	---	0-2	0-5
	17-25	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
	25-60	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
1137:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	0-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-2	0-5
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-2	1-12
1138:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
1141:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Wardenot--------	0-1	4-8	2.0-5.0	7.4-9.0	1-5	---	0-4	1-12
	1-60	5-10	3.0-8.0	7.4-9.0	1-5	---	0-4	1-12
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5
1142:								
Unsel----------	0-3	12-18	10.0-15.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Annaw----------	0-2	5-12	5.0-10.0	7.9-9.0	1-5	---	0-2	0-12
	2-11	5-12	5.0-10.0	7.9-9.0	1-5	---	0-2	0-12
	11-60	0-6	0.0-5.0	7.9-9.0	10-20	---	0-4	0-12
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5
1145:								
Unsel----------	0-3	12-18	10.0-15.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Annaw----------	0-2	5-12	5.0-10.0	7.9-9.0	1-5	---	0-2	0-12
	2-11	5-12	5.0-10.0	7.9-9.0	1-5	---	0-2	0-12
	11-60	0-6	0.0-5.0	7.9-9.0	10-20	---	0-4	0-12
1146:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Silverbow-------	0-2	10-18	10.0-20.0	7.9-9.0	0-5	---	0-4	1-12
	2-12	20-35	10.0-30.0	7.9-9.0	1-35	---	0-4	1-12
	12-19	---	---	---	---	---	---	---
	19-36	---	---	---	---	---	---	---
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5
1147:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Hollywell-------	0-5	2-6	1.0-5.0	7.9-9.0	1-5	---	0-4	1-5
	5-11	8-15	3.0-12.0	7.9-9.0	1-5	---	0-4	1-5
	11-33	5-12	4.0-10.0	7.9-9.0	1-5	---	0-4	1-5
	33-60	0-6	1.0-5.0	7.9-9.0	1-5	---	0-4	1-12
Hollywell-------	0-5	2-6	1.0-5.0	7.9-9.0	1-5	---	0-4	1-5
	5-11	8-15	3.0-12.0	7.9-9.0	1-5	---	0-4	1-5
	11-33	5-12	4.0-10.0	7.9-9.0	1-5	---	0-4	1-5
	33-60	0-6	1.0-5.0	7.9-9.0	1-5	---	0-4	1-12
1148:								
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Ricert----------	0-6	12-20	8.0-18.0	7.9-8.4	1-3	---	0-2	5-12
	6-18	25-35	15.0-29.0	8.5-9.0	1-5	---	2-8	13-30
	18-31	22-32	14.0-27.0	8.5-9.0	2-10	---	2-8	13-45
	31-60	6-16	3.0-11.0	8.5-9.0	5-10	---	2-8	13-45

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Zaidy----------	0-4	12-18	10.0-15.0	7.4-8.4	0-5	---	---	---
	4-22	25-35	20.0-30.0	7.4-8.4	5-15	---	0-2	0-5
	22-60	---	---	---	---	---	---	---
1150:								
Nuyobe----------	0-6	18-27	10.0-20.0	8.5-9.6	10-30	0-4	16-32	13-30
	6-60	18-27	10.0-20.0	7.9-9.0	10-30	0-4	2-4	1-12
1162:								
Jung----------	0-8	10-15	8.0-13.0	6.6-7.8	---	---	---	---
	8-17	35-45	28.0-37.0	7.9-9.0	0-2	---	0-2	---
	17-21	---	---	---	---	---	---	---
Clanalpine------	0-14	18-24	10.0-25.0	6.6-7.3	---	---	---	---
	14-34	25-35	15.0-30.0	6.6-7.8	---	---	---	---
	34-38	---	---	---	---	---	---	---
Colbar----------	0-11	10-22	5.0-25.0	7.4-8.4	---	---	0-2	---
	11-18	22-35	15.0-30.0	7.4-8.4	---	---	0-2	---
	18-22	10-22	5.0-25.0	7.9-8.4	---	---	0-2	---
	22-26	---	---	---	---	---	---	---
1163:								
Jung----------	0-8	10-15	8.0-13.0	6.6-7.8	---	---	---	---
	8-17	35-45	28.0-37.0	7.9-9.0	0-2	---	0-2	---
	17-21	---	---	---	---	---	---	---
Hooplite--------	0-2	12-20	8.0-16.0	7.4-8.4	0-1	---	0-4	---
	2-8	22-30	14.0-20.0	7.4-8.4	1-2	---	0-4	---
	8-12	---	---	---	---	---	---	---
1190:								
Penoyer---------	0-3	10-18	5.0-10.0	7.9-9.0	10-30	---	0-4	0-12
	3-60	10-18	5.0-10.0	7.9-9.0	10-30	0-5	0-4	0-12
Geer----------	0-4	5-18	5.0-15.0	7.9-8.4	1-10	---	0-2	0-5
	4-60	5-18	5.0-15.0	7.9-9.0	5-15	---	2-4	1-5
1191:								
Penoyer---------	0-3	10-18	5.0-10.0	7.9-9.0	---	---	0-4	0-4
	3-60	10-18	5.0-10.0	7.9-9.0	---	---	0-4	0-4
Sevenmile-------	0-12	8-15	8.0-17.0	7.4-8.4	0-1	---	0-2	0-5
	12-60	6-18	4.0-13.0	7.4-8.4	1-5	---	0-2	0-5
1220:								
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	---
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Beelem----------	0-3	10-18	5.0-20.0	7.4-8.4	1-5	---	0-2	0-2
	3-6	10-18	10.0-25.0	7.4-8.4	1-5	---	0-2	0-2
	6-10	---	---	---	---	---	---	---
1221:								
Rock Outcrop.								
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	1-5	---	0-4	---
	6-10	---	---	---	---	---	---	---
1222:								
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Downeyville-----	0-4	8-18	5.0-15.0	7.9-8.4	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---
Gabbvally-------	0-2	10-18	5.0-20.0	6.6-7.8	---	---	0-2	0-5
	2-9	18-27	10.0-20.0	6.6-7.8	---	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
1223:								
Rock Outcrop.								
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
1226:								
Rock Outcrop.								
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Bellehelen------	0-5	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	5-11	18-35	10.0-30.0	6.6-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
1227:								
Rock Outcrop.								
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	---
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Downeyville-----	0-4	12-18	10.0-20.0	7.9-8.4	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---
1229:								
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Advokay---------	0-5	12-18	10.0-20.0	7.4-8.4	5-15	---	0-2	0-5
	5-9	20-35	15.0-30.0	7.4-8.4	10-20	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
Itme----------	0-4	3-8	0.0-5.0	7.4-8.4	0-5	---	0-2	0-5
	4-60	0-8	0.0-5.0	7.4-9.0	1-25	---	0-2	0-5
1230:								
Geer----------	0-4	5-18	5.0-15.0	7.9-8.4	1-10	---	0-2	0-5
	4-60	5-18	5.0-15.0	7.9-9.0	5-15	---	2-4	1-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Eastgate--------	0-5	3-6	0.0-5.0	7.9-9.0	1-5	---	0-2	0-5
	5-17	8-12	5.0-10.0	7.9-9.0	0-5	---	0-2	0-5
	17-25	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
	25-60	2-8	0.0-5.0	8.5-9.6	5-10	---	0-4	0-5
1231:								
Geer----------	0-4	5-18	5.0-15.0	7.9-8.4	1-10	---	0-2	0-5
	4-60	5-18	5.0-15.0	7.9-9.0	5-15	---	2-4	1-5
1233:								
Geer----------	0-4	5-18	5.0-15.0	7.9-8.4	1-10	---	0-2	0-5
	4-60	5-18	5.0-15.0	7.9-9.0	5-15	---	2-4	1-5
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-4	1-12
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-4	1-12
1242:								
Stargo----------	0-3	20-27	10.0-25.0	7.9-9.0	5-10	---	2-4	5-12
	3-11	27-35	20.0-25.0	7.9-9.0	5-10	---	2-4	5-12
	11-60	2-8	5.0-10.0	7.9-9.0	5-10	---	2-4	5-12
Playas----------	0-6	35-40	30.0-35.0	8.5-9.6	1-5	1-5	16-32	46-90
	6-60	35-70	30.0-60.0	8.5-9.6	1-10	1-10	16-32	46-90
1243:								
Stargo----------	0-5	5-10	5.0-10.0	8.5-9.0	0-10	---	0-2	0-5
	5-13	27-35	20.0-25.0	8.5-9.0	0-10	---	2-4	0-12
	13-60	2-8	5.0-10.0	7.9-9.0	0-10	---	2-4	0-12
Playas----------	0-6	35-40	30.0-35.0	8.5-9.6	1-5	1-5	16-32	46-90
	6-60	35-70	30.0-60.0	8.5-9.6	1-10	1-10	16-32	46-90
Slaw----------	0-9	15-25	5.0-15.0	8.5-9.6	1-4	---	16-32	13-30
	9-60	25-35	20.0-25.0	8.5-9.6	1-4	0-5	4-16	13-30
1252:								
Wardenot--------	0-1	3-8	1.0-5.0	7.4-9.0	1-5	---	0-4	1-12
	1-60	5-10	3.0-8.0	7.4-9.0	1-5	---	0-4	1-12
Unsel----------	0-3	15-20	12.0-16.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Yomba----------	0-4	5-15	0.0-5.0	7.4-8.4	0-5	---	0-2	0-5
	4-16	10-20	5.0-15.0	7.9-9.0	5-25	---	0-2	0-5
	16-23	5-15	5.0-10.0	7.9-9.0	10-20	---	0-2	0-5
	23-60	0-5	0.0-5.0	7.4-9.0	0-5	---	0-2	0-5
1262:								
Rock Outcrop.								
Berzatic--------	0-2	8-18	5.0-13.0	7.9-9.0	10-20	---	0-2	0-5
	2-11	8-18	5.0-13.0	7.9-9.0	10-20	---	0-2	0-5
	11-15	---	---	---	---	---	---	---
Kyler----------	0-3	7-18	5.0-15.0	7.9-9.0	30-40	---	0-2	0-5
	3-9	7-18	5.0-15.0	7.9-9.0	30-40	---	0-2	0-5
	9-13	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1263:								
Berzatic--------	0-2	8-18	5.0-13.0	7.9-9.0	10-20	---	0-2	0-5
	2-11	8-18	5.0-13.0	7.9-9.0	10-20	---	0-2	0-5
	11-15	---	---	---	---	---	---	---
Downeyville-----	0-4	12-18	10.0-20.0	7.9-8.4	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---
Pintwater-------	0-4	10-18	5.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	4-15	10-18	5.0-15.0	7.9-9.0	10-20	---	0-4	0-5
	15-19	---	---	---	---	---	---	---
1290:								
Oricto----------	0-1	8-15	5.0-15.0	8.5-9.6	5-25	---	4-8	1-12
	1-9	20-27	15.0-25.0	8.5-9.6	10-25	---	4-8	6-12
	9-19	8-15	5.0-15.0	8.5-9.6	10-30	---	8-16	13-90
	19-60	2-8	5.0-15.0	8.5-9.6	5-25	0-1	8-16	13-90
Gynelle---------	0-3	2-5	0.0-3.0	7.9-9.0	1-5	---	0-4	1-12
	3-60	2-10	0.0-8.0	7.9-9.0	1-20	---	4-8	13-30
1291:								
Oricto----------	0-1	8-15	5.0-15.0	8.5-9.6	5-25	---	4-8	1-12
	1-9	20-27	10.0-25.0	8.5-9.6	10-30	---	4-8	6-12
	9-19	8-15	10.0-25.0	8.5-9.6	10-30	---	8-16	13-90
	19-60	2-8	5.0-15.0	8.5-9.6	10-30	0-1	8-16	13-90
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5
1292:								
Oricto----------	0-1	2-8	0.0-5.0	8.5-9.6	5-25	---	4-8	1-12
	1-9	20-27	10.0-25.0	8.5-9.6	10-30	---	4-8	6-12
	9-19	8-15	10.0-25.0	8.5-9.6	10-30	---	8-16	13-90
	19-60	2-8	5.0-15.0	8.5-9.6	10-30	0-1	8-16	13-90
Luning----------	0-3	3-10	1.0-7.0	7.4-9.0	1-10	---	0-2	1-5
	3-60	3-10	1.0-7.0	7.9-9.0	1-10	---	0-4	5-12
1293:								
Oricto----------	0-1	8-15	5.0-15.0	8.5-9.6	5-25	---	4-8	1-12
	1-9	20-27	15.0-25.0	8.5-9.6	10-25	---	4-8	6-12
	9-19	8-15	5.0-15.0	8.5-9.6	10-30	---	8-16	13-90
	19-60	2-8	5.0-15.0	8.5-9.6	5-25	0-1	8-16	13-90
Terlco----------	0-2	10-15	6.0-10.0	8.5-9.0	5-20	---	0-2	1-12
	2-11	18-35	11.0-22.0	8.5-9.6	5-20	---	2-8	13-30
	11-18	8-15	5.0-10.0	8.5-9.6	15-30	---	2-8	31-45
	18-60	3-10	2.0-7.0	8.5-9.6	15-30	---	2-8	31-45
Roic----------	0-1	10-15	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	1-5	12-18	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	5-9	---	---	---	---	---	---	---
1302:								
Ricert----------	0-6	12-20	8.0-18.0	7.9-8.4	1-3	---	0-2	5-12
	6-18	25-35	15.0-29.0	8.5-9.0	1-5	---	2-8	13-30
	18-31	22-32	14.0-27.0	8.5-9.0	2-10	---	2-8	13-45
	31-60	6-16	3.0-11.0	8.5-9.0	5-10	---	2-8	13-45

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Celeton---------	0-2	8-15	5.0-10.0	7.4-9.0	1-5	---	0-4	0-2
	2-9	5-15	5.0-10.0	7.4-9.0	1-5	---	0-2	0-2
	9-13	---	---	---	---	---	---	---
1303:								
Ricert----------	0-6	12-20	8.0-18.0	7.9-8.4	1-3	---	0-2	5-12
	6-18	25-35	15.0-29.0	8.5-9.0	1-5	---	2-8	13-30
	18-31	22-32	14.0-27.0	8.5-9.0	2-10	---	2-8	13-45
	31-60	6-15	3.0-11.0	8.5-9.0	5-10	---	2-8	13-45
Luning----------	0-3	3-10	1.0-7.0	7.4-9.0	1-10	---	0-2	1-5
	3-60	3-10	1.0-7.0	7.9-9.0	1-10	---	0-4	5-12
1304:								
Ricert----------	0-6	12-20	8.0-18.0	7.9-8.4	1-3	---	0-2	5-12
	6-18	25-35	15.0-29.0	8.5-9.0	1-5	---	2-8	13-30
	18-31	22-32	14.0-27.0	8.5-9.0	2-10	---	2-8	13-45
	31-60	6-15	3.0-11.0	8.5-9.0	5-10	---	2-8	13-45
Ricert----------	0-6	12-20	8.0-18.0	7.9-8.4	1-3	---	0-2	5-12
	6-18	25-35	15.0-29.0	8.5-9.0	1-5	---	2-8	13-30
	18-31	22-32	14.0-27.0	8.5-9.0	2-10	---	2-8	13-45
	31-60	6-15	3.0-11.0	8.5-9.0	5-10	---	2-8	13-45
Cliffdown-------	0-3	10-15	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
	3-60	5-15	5.0-10.0	7.9-9.0	15-30	---	0-8	1-12
1320:								
Terlco----------	0-2	10-15	6.0-10.0	8.5-9.0	5-20	---	0-2	1-12
	2-11	18-35	11.0-22.0	8.5-9.6	5-20	---	2-8	13-30
	11-18	8-15	5.0-10.0	8.5-9.6	15-30	---	2-8	31-45
	18-60	3-10	2.0-7.0	8.5-9.6	15-30	---	2-8	31-45
Terlco----------	0-2	10-15	6.0-10.0	8.5-9.0	5-20	---	0-2	1-12
	2-11	18-35	11.0-22.0	8.5-9.6	5-20	---	2-8	13-30
	11-18	8-15	5.0-10.0	8.5-9.6	15-30	---	2-8	31-45
	18-60	3-10	2.0-7.0	8.5-9.6	15-30	---	2-8	31-45
1321:								
Terlco----------	0-2	10-15	6.0-10.0	8.5-9.0	5-20	---	0-2	1-12
	2-11	18-35	11.0-22.0	8.5-9.6	5-20	---	2-8	13-30
	11-18	8-15	5.0-10.0	8.5-9.6	15-30	---	2-8	31-45
	18-60	3-10	2.0-7.0	8.5-9.6	15-30	---	2-8	31-45
Whirlo----------	0-9	5-15	3.0-10.0	6.6-8.4	0-1	---	0-4	5-12
	9-20	5-15	3.0-10.0	6.6-8.4	0-1	---	2-8	13-30
	20-60	5-15	3.0-10.0	7.9-9.0	1-5	---	4-16	13-45
1323:								
Terlco----------	0-2	10-15	6.0-10.0	8.5-9.0	5-20	---	0-2	1-12
	2-11	18-35	11.0-22.0	8.5-9.6	5-20	---	2-8	13-30
	11-18	8-15	5.0-10.0	8.5-9.6	15-30	---	2-8	31-45
	18-60	3-10	2.0-7.0	8.5-9.6	15-30	---	2-8	31-45
Annaw----------	0-2	3-6	2.0-5.0	7.9-9.0	1-5	---	0-2	0-12
	2-11	5-12	5.0-10.0	7.9-9.0	1-5	---	0-2	0-12
	11-60	0-6	0.0-5.0	7.9-9.0	10-20	---	0-4	0-12
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1326:								
Terlco----------	0-2	10-15	6.0-10.0	8.5-9.0	5-20	---	0-2	1-12
	2-11	18-35	11.0-22.0	8.5-9.6	5-20	---	2-8	13-30
	11-18	8-15	5.0-10.0	8.5-9.6	15-30	---	2-8	31-45
	18-60	3-10	2.0-7.0	8.5-9.6	15-30	---	2-8	31-45
Lyda----------	0-6	5-15	5.0-15.0	8.5-9.6	0-15	---	0-2	1-12
	6-14	30-40	15.0-35.0	8.5-9.6	10-20	---	0-2	1-12
	14-16	---	---	---	---	---	---	---
	16-60	---	---	---	---	---	---	---
1330:								
Handpah---------	0-6	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-2
	6-17	25-35	15.0-30.0	7.4-9.0	0-10	---	0-2	0-2
	17-19	4-10	2.0-5.0	7.4-9.0	10-20	---	0-2	0-2
	19-22	---	---	---	---	---	---	---
	22-60	---	---	---	---	---	---	---
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
1331:								
Handpah---------	0-6	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-2
	6-17	25-35	15.0-30.0	7.4-9.0	0-10	---	0-2	0-2
	17-19	4-10	2.0-5.0	7.4-9.0	10-20	---	0-2	0-2
	19-22	---	---	---	---	---	---	---
	22-60	---	---	---	---	---	---	---
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
1332:								
Handpah---------	0-6	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-2
	6-17	25-35	15.0-30.0	7.4-9.0	0-10	---	0-2	0-2
	17-19	4-10	2.0-5.0	7.4-9.0	10-20	---	0-2	0-2
	19-22	---	---	---	---	---	---	---
	22-60	---	---	---	---	---	---	---
Chuckridge------	0-6	10-18	5.0-15.0	7.4-8.4	0-5	---	0-2	1-5
	6-11	25-35	15.0-30.0	7.4-9.0	1-10	---	0-2	1-5
	11-60	---	---	---	---	---	---	---
1333:								
Handpah---------	0-6	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-2
	6-17	25-35	15.0-30.0	7.4-9.0	0-10	---	0-2	0-2
	17-19	4-10	2.0-5.0	7.4-9.0	10-20	---	0-2	0-2
	19-22	---	---	---	---	---	---	---
	22-60	---	---	---	---	---	---	---
Watoopah--------	0-3	3-8	5.0-10.0	6.6-7.8	---	---	0-2	1-5
	3-12	10-18	5.0-15.0	6.6-7.8	---	---	0-2	1-5
	12-36	0-5	0.0-5.0	7.4-8.4	0-10	---	0-2	1-5
	36-60	0-5	0.0-5.0	7.9-9.0	5-15	---	0-4	1-12

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1333 (con.):								
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
1334:								
Handpah---------	0-6	5-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	6-17	30-35	15.0-30.0	7.4-9.0	0-10	---	0-2	0-5
	17-19	4-10	2.0-8.0	7.4-9.0	10-20	---	0-2	0-5
	19-22	---	---	---	---	---	---	---
	22-60	---	---	---	---	---	---	---
Lyda----------	0-6	5-18	5.0-12.0	8.5-9.0	0-15	---	0-2	1-12
	6-14	30-40	15.0-35.0	8.5-9.0	10-20	---	0-2	1-12
	14-16	---	---	---	---	---	---	---
	16-60	---	---	---	---	---	---	---
1351:								
Chill----------	0-2	5-10	5.0-11.0	6.6-7.8	---	---	---	---
	2-6	25-35	19.0-27.0	6.6-7.8	---	---	---	---
	6-10	---	---	---	---	---	---	---
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
1360:								
Wabuska---------	0-2	2-5	1.0-5.0	8.5-9.0	0-1	---	2-4	30-80
	2-60	10-18	7.0-14.0	7.9-8.4	0-2	---	2-8	5-50
Playas----------	0-6	35-40	30.0-35.0	8.5-9.6	1-5	1-5	16-32	46-90
	6-60	35-70	30.0-60.0	8.5-9.6	1-10	1-10	16-32	46-90
Isolde----------	0-1	0-5	1.0-5.0	6.6-8.4	0-1	---	---	0-5
	1-60	0-5	1.0-5.0	6.6-8.4	0-3	0-1	0-2	0-5
1390:								
Jevets----------	0-5	3-8	2.0-5.0	7.9-9.0	0-1	---	0-2	0-5
	5-23	3-8	2.0-5.0	7.9-9.0	0-5	---	0-2	0-5
	23-27	8-18	5.0-15.0	7.9-9.0	1-10	---	0-2	0-5
	27-40	---	---	---	---	---	---	---
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
Univega---------	0-4	3-8	2.0-6.0	7.9-9.0	0-5	---	0-2	0-5
	4-13	8-18	6.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	13-42	---	---	---	---	---	---	---
	42-60	2-8	2.0-5.0	7.9-9.0	5-15	---	0-2	0-5
1410:								
Watoopah--------	0-3	3-8	5.0-10.0	6.6-7.8	---	---	0-2	0-5
	3-12	10-18	5.0-15.0	6.6-7.8	---	---	0-2	0-5
	12-36	0-5	0.0-5.0	7.4-8.4	0-10	---	0-2	0-5
	36-60	0-5	0.0-5.0	7.9-9.0	5-15	---	0-4	1-12
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1412:								
Watoopah--------	0-3	3-8	5.0-10.0	6.6-7.8	---	---	0-2	0-5
	3-12	10-18	5.0-15.0	6.6-7.8	---	---	0-2	0-5
	12-36	0-5	0.0-5.0	7.4-8.4	0-10	---	0-2	0-5
	36-60	0-5	0.0-5.0	7.9-9.0	5-15	---	0-4	1-12
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
1420:								
Rock Outcrop.								
Squawtip--------	0-5	8-18	5.0-15.0	6.1-7.3	---	---	---	---
	5-38	18-25	10.0-20.0	6.6-7.8	---	---	---	---
	38-42	---	---	---	---	---	---	---
Bellehelen------	0-5	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	5-11	18-35	10.0-30.0	6.6-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
1421:								
Rock Outcrop.								
Squawtip--------	0-5	8-18	5.0-15.0	6.1-7.3	---	---	---	---
	5-38	18-25	10.0-20.0	6.6-7.8	---	---	---	---
	38-42	---	---	---	---	---	---	---
Gabbvally-------	0-2	10-18	5.0-20.0	6.6-7.8	---	---	0-2	0-5
	2-9	18-27	10.0-20.0	6.6-7.8	---	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
1430:								
Rock Outcrop.								
Bellehelen------	0-5	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	5-11	18-35	10.0-30.0	6.6-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
1451:								
Grassval--------	0-3	10-18	8.0-15.0	7.4-8.4	1-2	---	---	---
	3-13	25-35	15.0-22.0	7.9-9.0	3-5	---	0-2	1-12
	13-60	---	---	---	---	---	---	---
Zaidy----------	0-4	12-18	10.0-15.0	7.4-8.4	0-5	---	---	---
	4-22	25-35	20.0-30.0	7.4-8.4	5-15	---	0-2	0-5
	22-60	---	---	---	---	---	---	---
Alley----------	0-6	5-10	5.0-10.0	6.6-7.8	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
1452:								
Grassval--------	0-3	10-18	8.0-15.0	7.4-8.4	1-2	---	---	---
	3-13	25-35	15.0-22.0	7.9-9.0	3-5	---	0-2	1-12
	13-60	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1452 (con.):								
Dewar----------	0-3	18-25	10.0-25.0	6.6-8.4	0-1	---	0-2	0-5
	3-7	27-35	15.0-30.0	6.6-8.4	0-5	---	0-4	0-12
	7-15	15-27	10.0-25.0	7.9-8.4	5-15	---	0-8	1-12
	15-44	---	---	---	---	---	---	---
	44-60	---	---	---	---	---	---	---
Alley----------	0-6	5-10	5.0-10.0	6.6-7.8	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
1453:								
Grassval--------	0-3	10-18	8.0-15.0	7.4-8.4	1-2	---	---	---
	3-13	25-35	15.0-22.0	7.9-9.0	3-5	---	0-2	1-12
	13-60	---	---	---	---	---	---	---
Defler----------	0-3	8-18	5.0-12.0	7.4-9.0	1-2	---	0-2	---
	3-20	8-18	5.0-12.0	7.4-9.0	1-5	---	0-4	---
	20-60	5-10	3.0-7.0	7.4-9.0	1-5	---	8-16	0-12
Ricert----------	0-6	12-20	8.0-18.0	7.9-8.4	1-3	---	0-2	5-12
	6-18	25-35	15.0-29.0	8.5-9.0	1-5	---	2-8	13-30
	18-31	22-32	14.0-27.0	8.5-9.0	2-10	---	2-8	13-45
	31-60	6-16	3.0-11.0	8.5-9.0	5-10	---	2-8	13-45
1454:								
Grassval--------	0-3	10-18	8.0-15.0	7.4-8.4	1-2	---	---	---
	3-13	25-35	15.0-22.0	7.9-9.0	3-5	---	0-2	1-12
	13-60	---	---	---	---	---	---	---
Wieland---------	0-8	18-27	15.0-30.0	7.4-8.4	---	---	0-2	---
	8-23	40-55	30.0-60.0	7.4-9.0	0-5	---	0-4	---
	23-36	27-35	25.0-40.0	7.9-9.0	5-20	---	0-8	0-5
	36-60	10-20	20.0-40.0	7.9-9.0	5-20	---	0-8	0-5
1460:								
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
Handpah---------	0-6	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-2
	6-17	25-35	15.0-30.0	7.4-9.0	0-10	---	0-2	0-2
	17-19	4-10	2.0-5.0	7.4-9.0	10-20	---	0-2	0-2
	19-22	---	---	---	---	---	---	---
	22-60	---	---	---	---	---	---	---
1461:								
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
Chuckridge------	0-6	10-18	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	6-11	25-35	15.0-30.0	7.4-9.0	1-10	---	0-2	0-5
	11-60	---	---	---	---	---	---	---
Watoopah--------	0-3	3-8	5.0-10.0	6.6-7.8	---	---	0-2	0-5
	3-12	10-18	5.0-15.0	6.6-7.8	---	---	0-2	0-5
	12-36	0-5	0.0-5.0	7.4-8.4	0-10	---	0-2	0-5
	36-60	0-5	0.0-5.0	7.9-9.0	5-15	---	0-4	1-12

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1462:								
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
Chuckridge------	0-6	10-18	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	6-11	25-35	15.0-30.0	7.4-9.0	1-10	---	0-2	0-5
	11-60	---	---	---	---	---	---	---
1463:								
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
1464:								
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
1465:								
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
Unsel----------	0-3	12-18	10.0-15.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
1466:								
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
Barnmot---------	0-5	27-35	20.0-30.0	7.9-8.4	0-3	---	0-2	1-5
	5-60	35-55	30.0-50.0	7.9-9.0	0-3	---	0-8	1-12
Unsel----------	0-3	12-18	10.0-15.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
1470:								
Cirac----------	0-1	8-18	5.0-15.0	8.5-9.6	1-5	---	16-32	13-99
	1-60	8-18	5.0-15.0	8.5-9.6	10-30	---	16-32	13-99
Wardenot--------	0-1	8-18	5.0-15.0	7.9-9.0	1-5	---	16-32	13-60
	1-60	5-10	3.0-7.0	7.4-9.0	1-5	---	0-8	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Slaw----------	0-9	8-18	7.0-15.0	8.5-9.6	1-4	---	8-16	13-99
	9-60	25-35	16.0-25.0	8.5-9.6	1-4	0-5	16-32	30-99
1476:								
Cirac----------	0-1	8-18	5.0-15.0	8.5-9.6	1-5	---	16-32	13-99
	1-60	8-18	5.0-15.0	8.5-9.6	10-30	---	16-32	13-99
Kawich----------	0-3	0-5	0.0-8.0	8.5-9.6	1-20	---	4-8	1-12
	3-60	0-5	0.0-8.0	8.5-9.6	1-20	---	4-8	1-12
1477:								
Cirac----------	0-1	8-18	5.0-15.0	8.5-9.6	1-5	---	16-32	13-99
	1-60	8-18	5.0-15.0	8.5-9.6	10-30	---	16-32	13-99
Cirac----------	0-1	8-18	5.0-15.0	8.5-9.6	1-5	---	16-32	13-99
	1-60	8-18	5.0-15.0	8.5-9.6	10-30	---	16-32	13-99
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
1481:								
Chuckridge------	0-6	10-18	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	6-11	25-35	15.0-30.0	7.4-9.0	1-10	---	0-2	0-5
	11-60	---	---	---	---	---	---	---
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
1483:								
Chuckridge------	0-6	10-18	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	6-11	25-35	15.0-30.0	7.4-9.0	1-10	---	0-2	0-5
	11-60	---	---	---	---	---	---	---
1492:								
Slaw----------	0-9	15-25	5.0-15.0	8.5-9.6	1-4	---	16-32	13-30
	9-60	25-35	20.0-25.0	8.5-9.6	1-4	0-5	4-16	13-30
Rustigate-------	0-4	18-27	10.0-20.0	7.9-9.6	1-20	---	0-4	1-12
	4-42	18-27	10.0-20.0	7.9-9.6	1-20	---	0-4	1-12
	42-60	8-20	5.0-15.0	7.9-9.6	1-20	---	0-4	1-12
1493:								
Slaw----------	0-9	15-25	5.0-15.0	8.5-9.6	1-4	---	16-32	13-30
	9-60	25-35	20.0-25.0	8.5-9.6	1-4	0-5	4-16	13-30
Stargo----------	0-3	20-27	10.0-25.0	7.9-9.0	5-10	---	2-4	5-12
	3-11	27-35	20.0-25.0	7.9-9.0	5-10	---	2-4	5-12
	11-60	2-8	5.0-10.0	7.9-9.0	5-10	---	2-4	5-12
Geer----------	0-4	5-18	5.0-15.0	7.9-8.4	1-10	---	0-2	0-5
	4-60	5-18	5.0-15.0	7.9-9.0	5-15	---	2-4	1-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1494:								
Slaw----------	0-9	0-10	0.0-7.0	8.5-9.0	1-4	---	4-8	13-30
	9-60	25-35	16.0-25.0	8.5-9.6	1-4	0-5	16-32	30-99

Slaw----------	0-9	15-25	5.0-15.0	8.5-9.6	1-4	---	16-32	13-30
	9-60	25-35	20.0-25.0	8.5-9.6	1-4	0-5	4-16	13-30
Gitakup---------	0-1	27-35	19.0-33.0	8.5-9.0	1-5	---	8-16	13-45
	1-14	35-45	24.0-42.0	8.5-9.0	5-10	---	16-32	45-99
	14-29	27-35	19.0-30.0	8.5-9.0	5-10	0-1	16-32	30-99
	29-60	27-35	18.0-30.0	8.5-9.0	5-10	0-1	16-32	13-99
1495:								
Slaw----------	0-9	8-18	7.0-15.0	8.5-9.6	1-4	---	8-16	13-99
	9-60	25-35	16.0-25.0	8.5-9.6	1-4	0-5	16-32	30-99
Cirac----------	0-4	8-18	5.0-15.0	8.5-9.6	1-5	---	16-32	13-99
	4-60	8-18	5.0-15.0	8.5-9.6	10-30	---	16-32	13-99
Kawich----------	0-3	0-5	0.0-8.0	8.5-9.6	1-20	---	4-8	1-12
	3-60	0-5	0.0-8.0	8.5-9.6	1-20	---	4-8	1-12
1510:								
Isolde----------	0-1	0-5	1.0-5.0	6.6-8.4	0-1	---	---	0-5
	1-60	0-5	1.0-5.0	6.6-8.4	0-3	0-1	0-2	0-5
Hawsley---------	0-4	5-12	3.0-10.0	6.6-8.4	---	---	---	---
	4-60	0-5	1.0-5.0	7.4-9.0	1-5	---	0-2	0-5
1520:								
Rustigate-------	0-4	15-25	10.0-20.0	7.9-9.6	1-20	---	0-4	1-12
	4-42	18-27	10.0-20.0	7.9-9.6	1-20	---	0-4	1-12
	42-60	8-20	5.0-15.0	7.9-9.6	1-20	---	0-4	1-12
1530:								
Rebel----------	0-9	10-18	15.0-30.0	6.6-7.8	0-1	---	0-4	0-5
	9-60	10-18	8.0-25.0	7.4-8.4	1-10	---	0-4	0-12
1540:								
Packer----------	0-10	14-20	15.0-20.0	6.6-7.3	---	---	---	---
	10-20	20-30	15.0-25.0	6.6-7.3	---	---	---	---
	20-60	10-16	5.0-10.0	6.6-7.3	---	---	---	---
Suak----------	0-8	10-20	18.0-28.0	6.6-7.3	---	---	---	---
	8-25	20-27	15.0-25.0	7.4-7.8	---	---	---	---
	25-29	---	---	---	---	---	---	---
Foxvire---------	0-20	8-15	7.0-14.0	6.6-7.3	---	---	---	---
	20-60	8-15	6.0-12.0	6.6-7.3	---	---	---	---
1551:								
Sevenmile-------	0-12	8-15	8.0-17.0	7.4-8.4	0-1	---	0-2	0-5
	12-60	6-18	4.0-13.0	7.4-8.4	1-5	---	0-2	0-5
1552:								
Sevenmile-------	0-7	8-15	10.0-20.0	7.4-8.4	0-5	---	---	---
	7-34	8-18	6.0-20.0	7.4-8.4	1-5	---	---	---
	34-60	8-18	5.0-15.0	7.4-8.4	1-5	---	0-2	0-5
Mosida----------	0-10	12-18	8.0-20.0	6.6-7.8	---	---	0-2	---
	10-60	12-18	4.0-15.0	7.4-8.4	---	---	0-2	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1552 (con.):								
Rebel----------	0-9	10-18	15.0-30.0	6.6-7.8	0-1	---	0-4	0-5
	9-60	10-18	8.0-25.0	7.4-8.4	1-10	---	0-4	0-12
1553:								
Sevenmile-------	0-7	8-15	10.0-20.0	7.4-8.4	0-5	---	---	---
	7-34	8-18	6.0-20.0	7.4-8.4	1-5	---	---	---
	34-60	8-18	5.0-15.0	7.4-8.4	1-5	---	0-2	0-5
1580:								
Kyler----------	0-3	7-18	5.0-15.0	7.9-9.0	30-40	---	0-2	0-5
	3-9	7-18	5.0-15.0	7.9-9.0	30-40	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
1620:								
Vinini----------	0-2	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	2-7	27-35	20.0-25.0	7.9-8.4	0-5	---	0-2	0-5
	7-12	27-35	20.0-25.0	7.9-8.4	0-5	---	0-2	0-5
	12-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	---
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Gabbvally-------	0-2	10-18	10.0-20.0	6.6-7.8	---	---	0-2	0-5
	2-9	18-27	15.0-25.0	6.6-7.8	---	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
1621:								
Vinini----------	0-2	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	2-7	27-35	20.0-25.0	7.9-8.4	0-5	---	0-2	0-5
	7-12	27-35	20.0-25.0	7.9-8.4	0-5	---	0-2	0-5
	12-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Beelem----------	0-3	10-18	5.0-20.0	7.4-8.4	1-5	---	0-2	0-2
	3-6	10-18	10.0-25.0	7.4-8.4	1-5	---	0-2	0-2
	6-10	---	---	---	---	---	---	---
Gabbvally-------	0-2	10-18	10.0-20.0	6.6-7.8	---	---	0-2	0-5
	2-9	18-27	15.0-25.0	6.6-7.8	---	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
1631:								
Lyx----------	0-3	5-10	3.0-7.0	7.9-9.0	---	---	0-2	0-5
	3-11	10-18	7.0-15.0	7.9-9.0	0-1	---	0-2	0-5
	11-60	5-10	3.0-7.0	7.9-9.0	5-15	---	0-2	0-5
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
1648:								
Armespan--------	0-1	10-18	5.0-15.0	7.9-9.0	5-10	---	2-4	1-5
	1-5	10-18	5.0-15.0	7.9-9.0	5-10	---	2-4	1-5
	5-22	12-18	5.0-15.0	7.9-9.0	5-10	---	8-16	1-5
	22-44	10-18	5.0-15.0	7.9-9.0	10-35	---	8-16	5-12
	44-60	5-10	1.0-10.0	7.9-9.0	10-35	---	2-4	5-12

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Whilphang-------	0-7	10-18	5.0-15.0	7.9-9.0	5-10	---	0-4	0-5
	7-12	10-18	5.0-15.0	7.9-9.0	5-10	---	0-4	0-5
	12-16	---	---	---	---	---	---	---
Wrango----------	0-2	3-8	2.0-7.0	7.4-8.4	0-2	---	0-2	0-2
	2-12	8-15	5.0-12.0	7.4-8.4	1-10	---	0-2	0-2
	12-60	3-8	2.0-7.0	7.4-8.4	5-10	---	0-2	0-2
1660:								
Minnye----------	0-3	6-12	5.0-10.0	7.9-8.4	1-5	---	0-2	0-5
	3-12	18-27	10.0-20.0	7.9-9.0	5-10	---	0-2	0-5
	12-60	10-18	5.0-15.0	7.9-9.6	10-25	---	0-4	0-12
Annaw----------	0-2	3-6	2.0-5.0	7.9-9.0	1-5	---	0-2	0-12
	2-11	5-12	5.0-10.0	7.9-9.0	1-5	---	0-2	0-12
	11-60	0-6	0.0-5.0	7.9-9.0	10-20	---	0-4	0-12
Wardenot--------	0-1	3-8	1.0-5.0	7.4-9.0	1-5	---	0-4	1-12
	1-60	5-10	3.0-8.0	7.4-9.0	1-5	---	0-4	1-12
1661:								
Minnye----------	0-3	8-15	5.0-15.0	7.9-8.4	1-5	---	0-2	0-5
	3-12	18-27	10.0-20.0	7.9-9.0	5-10	---	0-2	0-5
	12-60	10-18	5.0-15.0	7.9-9.6	10-25	---	0-4	0-12
Cliffdown-------	0-3	10-15	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
	3-60	5-15	5.0-10.0	7.9-9.0	15-30	---	0-8	1-12
Lyx----------	0-3	5-10	3.0-7.0	7.9-9.0	---	---	0-2	0-5
	3-11	10-18	7.0-15.0	7.9-9.0	0-1	---	0-2	0-5
	11-60	5-10	3.0-7.0	7.9-9.0	5-15	---	0-2	0-5
1670:								
Logring---------	0-3	8-15	5.0-20.0	7.9-9.0	15-40	---	0-4	0-5
	3-10	10-18	5.0-20.0	7.9-9.0	15-40	---	0-4	0-5
	10-14	---	---	---	---	---	---	---
Kyler----------	0-3	7-18	5.0-15.0	7.9-9.0	30-40	---	0-2	0-5
	3-9	7-18	5.0-15.0	7.9-9.0	30-40	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
1680:								
Rock Outcrop.								
Uripnes---------	0-7	10-18	6.0-12.0	6.1-7.8	0-1	---	---	---
	7-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
1681:								
Rock Outcrop.								
Uripnes---------	0-7	10-18	6.0-12.0	6.1-7.8	0-1	---	---	---
	7-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
Budihol---------	0-2	12-18	5.0-15.0	6.6-7.3	---	---	---	---
	2-14	12-18	5.0-15.0	6.6-7.3	---	---	---	---
	14-22	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1691:								
Goldyke---------	0-3	10-15	5.0-10.0	7.9-8.4	1-5	---	0-2	0-2
	3-6	12-18	8.0-15.0	7.9-8.4	1-5	---	0-2	0-2
	6-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	1-5	---	0-4	---
	6-10	---	---	---	---	---	---	---
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-4	1-12
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-4	1-12
1704:								
Leo----------	0-6	5-15	0.0-3.0	7.9-9.0	0-5	---	0-2	0-2
	6-60	0-5	0.0-3.0	7.9-9.0	1-10	---	0-4	0-2
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5
1705:								
Leo----------	0-6	5-15	0.0-3.0	7.9-9.0	0-5	---	0-2	0-2
	6-60	0-5	0.0-3.0	7.9-9.0	1-10	---	0-4	0-2
Unsel----------	0-3	12-18	10.0-15.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Lyx----------	0-3	5-10	3.0-7.0	7.9-9.0	---	---	0-2	0-5
	3-11	10-18	7.0-15.0	7.9-9.0	0-1	---	0-2	0-5
	11-60	5-10	3.0-7.0	7.9-9.0	5-15	---	0-2	0-5
1706:								
Leo----------	0-6	5-15	0.0-3.0	7.9-9.0	0-5	---	0-2	0-2
	6-60	0-5	0.0-3.0	7.9-9.0	1-10	---	0-4	0-2
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
1741:								
Keefa----------	0-4	8-15	5.0-15.0	7.9-8.4	10-20	---	0-2	0-5
	4-13	8-15	5.0-15.0	7.9-9.0	15-25	---	0-2	0-5
	13-54	8-15	5.0-15.0	7.9-9.0	15-25	0-1	0-4	1-12
	54-60	5-15	5.0-15.0	7.9-9.0	10-20	0-1	4-8	1-12
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-4	1-12
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-4	1-12
1751:								
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-2	0-5
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-2	1-12
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1751 (con.):								
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-2	0-5
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-2	1-12
1753:								
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-4	1-12
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-4	1-12
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
Koyen----------	0-4	0-6	0.0-4.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-4	1-12
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-4	1-12
1760:								
Vindicator------	0-4	10-18	5.0-15.0	7.4-8.4	1-5	---	0-2	0-2
	4-14	20-30	10.0-20.0	7.4-8.4	1-5	---	0-2	0-2
	14-18	---	---	---	---	---	---	---
1790:								
Hooplite--------	0-2	12-20	8.0-16.0	7.4-8.4	0-1	---	0-4	---
	2-8	22-30	14.0-20.0	7.4-8.4	1-2	---	0-4	---
	8-12	---	---	---	---	---	---	---
Theon----------	0-3	10-20	6.0-13.0	6.6-8.4	0-1	---	0-2	0-12
	3-11	25-35	15.0-22.0	6.6-9.0	0-1	---	0-2	0-12
	11-15	---	---	---	---	---	---	---
Old Camp--------	0-6	10-20	8.0-16.0	6.6-7.8	---	---	---	0-5
	6-12	27-35	17.0-23.0	6.6-9.0	0-5	---	0-2	0-5
	12-16	---	---	---	---	---	---	---
1792:								
Rock Outcrop.								
Hooplite--------	0-2	12-22	8.0-16.0	7.4-8.4	0-1	---	0-4	---
	2-8	22-30	14.0-20.0	7.4-8.4	1-2	---	0-4	---
	8-12	---	---	---	---	---	---	---
1800:								
Lyda----------	0-6	5-18	5.0-12.0	8.5-9.0	0-15	---	0-2	1-12
	6-14	30-40	15.0-35.0	8.5-9.0	10-20	---	0-2	1-12
	14-16	---	---	---	---	---	---	---
	16-60	---	---	---	---	---	---	---
Zadvar----------	0-6	10-18	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
Unsel----------	0-3	12-18	10.0-15.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1801:								
Lyda----------	0-6	5-18	5.0-12.0	8.5-9.0	0-15	---	0-2	1-12
	6-14	30-40	15.0-35.0	8.5-9.0	10-20	---	0-2	1-12
	14-16	---	---	---	---	---	---	---
	16-60	---	---	---	---	---	---	---
Leo----------	0-6	5-15	0.0-3.0	7.9-9.0	0-5	---	0-2	0-2
	6-60	0-5	0.0-3.0	7.9-9.0	1-10	---	0-4	0-2
Zadvar----------	0-6	8-12	5.0-15.0	7.4-8.4	---	---	0-2	0-5
	6-11	27-35	15.0-30.0	7.4-8.4	---	---	0-2	0-5
	11-28	---	---	---	---	---	---	---
	28-60	5-10	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
1802:								
Lyda----------	0-6	5-15	5.0-15.0	8.5-9.6	0-15	---	0-2	1-12
	6-14	30-40	15.0-35.0	8.5-9.6	10-20	---	0-2	1-12
	14-16	---	---	---	---	---	---	---
	16-60	---	---	---	---	---	---	---
Unsel----------	0-3	15-20	9.0-13.0	7.9-9.0	0-15	---	0-4	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-4	1-12
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-4	1-12
1805:								
Lyda----------	0-6	5-18	5.0-12.0	8.5-9.0	0-15	---	0-2	1-12
	6-14	30-40	15.0-35.0	8.5-9.0	10-20	---	0-2	1-12
	14-16	---	---	---	---	---	---	---
	16-60	---	---	---	---	---	---	---
Unsel----------	0-3	12-18	10.0-15.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
Unsel----------	0-3	12-18	10.0-15.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
1820:								
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5
1830:								
Rock Outcrop.								
Downeyville-----	0-4	12-18	10.0-20.0	7.9-8.4	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---
1833:								
Downeyville-----	0-4	8-18	5.0-15.0	7.9-8.4	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	1-5	---	0-4	---
	6-10	---	---	---	---	---	---	---
1834:								
Downeyville-----	0-4	8-18	5.0-15.0	7.9-8.4	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	1-5	---	0-4	---
	6-10	---	---	---	---	---	---	---
1835:								
Downeyville-----	0-4	12-18	10.0-20.0	7.9-8.4	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---
Goldyke---------	0-3	10-15	5.0-10.0	7.9-8.4	1-5	---	0-2	0-2
	3-6	12-18	8.0-15.0	7.9-8.4	1-5	---	0-2	0-2
	6-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	---	---	0-4	0-2
	6-10	---	---	---	---	---	---	---
1840:								
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
Cliffdown-------	0-3	10-15	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
	3-60	5-15	5.0-10.0	7.9-9.0	15-30	---	0-8	1-12
1845:								
Veet----------	0-5	8-15	5.0-15.0	7.4-8.4	0-5	---	0-2	0-5
	5-20	10-18	5.0-15.0	7.4-9.0	0-5	---	0-2	0-5
	20-60	5-10	2.0-8.0	7.9-9.0	10-20	---	0-2	0-5
Leo----------	0-6	5-15	0.0-3.0	7.9-9.0	0-5	---	0-2	0-2
	6-60	0-5	0.0-3.0	7.9-9.0	1-10	---	0-4	0-2
Minnye----------	0-3	6-12	5.0-10.0	7.9-8.4	1-5	---	0-2	0-5
	3-12	18-27	10.0-20.0	7.9-9.0	5-10	---	0-2	0-5
	12-60	10-18	5.0-15.0	7.9-9.6	10-25	---	0-4	0-12
1851:								
Garhill---------	0-1	5-10	3.0-8.0	7.9-8.4	0-5	---	0-2	0-2
	1-4	8-15	5.0-10.0	7.9-8.4	0-5	---	0-2	0-2
	4-8	18-25	10.0-20.0	7.9-9.0	5-15	---	0-8	0-2
	8-15	---	---	---	---	---	---	---
	15-19	---	---	---	---	---	---	---
Tognoni---------	0-5	10-18	5.0-15.0	7.9-9.0	1-15	---	0-2	0-5
	5-12	35-45	20.0-35.0	7.9-8.4	---	---	0-2	0-5
	12-16	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1860:								
Rock Outcrop.								
Old Camp--------	0-6	8-20	7.0-16.0	6.6-7.8	---	---	---	0-5
	6-12	27-35	17.0-23.0	6.6-9.0	0-5	---	0-2	0-5
	12-16	---	---	---	---	---	---	---
Colbar----------	0-11	10-22	5.0-25.0	7.4-8.4	---	---	0-2	---
	11-18	22-35	15.0-30.0	7.4-8.4	---	---	0-2	---
	18-22	10-22	5.0-25.0	7.9-8.4	---	---	0-2	---
	22-26	---	---	---	---	---	---	---
1891:								
Rock Outcrop.								
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	1-5	---	0-4	---
	6-10	---	---	---	---	---	---	---
Downeyville-----	0-4	8-18	5.0-15.0	7.9-8.4	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---
1900:								
Playas----------	0-6	35-40	30.0-35.0	8.5-9.6	1-5	1-5	16-32	45-90
	6-60	35-70	30.0-60.0	8.5-9.6	1-10	1-10	16-32	45-90
1901:								
Playas----------	0-6	35-40	30.0-35.0	8.5-9.6	1-5	1-5	16-32	45-90
	6-60	35-70	30.0-60.0	8.5-9.6	1-10	1-10	16-32	45-90
Slaw----------	0-9	15-25	5.0-15.0	8.5-9.6	1-4	---	16-32	13-30
	9-60	25-35	20.0-25.0	8.5-9.6	1-4	0-5	4-16	13-30
1902:								
Slickens--------	0-10	0-10	---	---	---	---	8-32	---
	10-30	0-10	---	---	---	---	2-32	---
	30-60	---	---	---	---	---	---	---
1910:								
Yomba----------	0-4	5-15	0.0-5.0	7.4-8.4	0-5	---	0-2	0-5
	4-16	10-20	5.0-15.0	7.9-9.0	5-25	---	0-2	0-5
	16-23	5-15	5.0-10.0	7.9-9.0	10-20	---	0-2	0-5
	23-60	0-5	0.0-5.0	7.4-9.0	0-5	---	0-2	0-5
1911:								
Yomba----------	0-4	5-15	0.0-5.0	7.4-8.4	0-5	---	0-2	0-5
	4-16	10-20	5.0-15.0	7.9-9.0	5-25	---	0-2	0-5
	16-23	5-15	5.0-10.0	7.9-9.0	10-20	---	0-2	0-5
	23-60	0-5	0.0-5.0	7.4-9.0	0-5	---	0-2	0-5
Playas----------	0-6	35-40	30.0-35.0	8.5-9.6	1-5	1-5	16-32	45-90
	6-60	35-70	30.0-60.0	8.5-9.6	1-10	1-10	16-32	45-90
Yomba----------	0-4	5-15	0.0-5.0	7.4-8.4	0-5	---	0-2	0-5
	4-16	10-20	5.0-15.0	7.9-9.0	5-25	---	0-2	0-5
	16-23	5-15	5.0-10.0	7.9-9.0	10-20	---	0-2	0-5
	23-60	0-5	0.0-5.0	7.4-9.0	0-5	---	0-2	0-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1930:								
Stonell---------	0-3	5-15	3.0-12.0	8.5-9.0	10-15	---	8-16	0-12
	3-9	20-30	10.0-25.0	7.9-9.0	10-25	---	0-2	0-2
	9-60	5-10	3.0-6.0	8.5-9.6	15-30	---	4-8	0-12
Wardenot--------	0-1	8-12	4.0-10.0	7.4-9.0	1-5	---	0-4	1-12
	1-60	5-10	3.0-8.0	7.4-9.0	1-5	---	0-4	1-12
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5
1950:								
Pintwater-------	0-4	10-18	5.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	4-15	10-18	5.0-15.0	7.9-9.0	10-20	---	0-4	0-5
	15-19	---	---	---	---	---	---	---
Izo----------	0-5	3-8	1.0-7.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-4.0	7.9-9.0	5-20	---	0-4	0-5
1951:								
Rock Outcrop.								
Pintwater-------	0-4	10-18	5.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	4-15	10-18	5.0-15.0	7.9-9.0	10-20	---	0-4	0-5
	15-19	---	---	---	---	---	---	---
1953:								
Pintwater-------	0-4	10-15	5.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	4-15	10-18	5.0-15.0	7.9-9.0	10-20	---	0-4	0-5
	15-19	---	---	---	---	---	---	---
Terlco----------	0-2	10-15	6.0-10.0	8.5-9.0	5-20	---	0-2	1-12
	2-11	18-35	11.0-22.0	8.5-9.6	5-20	---	2-8	13-30
	11-18	8-15	5.0-10.0	8.5-9.6	15-30	---	2-8	31-45
	18-60	3-10	2.0-7.0	8.5-9.6	15-30	---	2-8	31-45
1954:								
Pintwater-------	0-4	10-18	5.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	4-15	10-18	5.0-15.0	7.9-9.0	10-20	---	0-4	0-5
	15-19	---	---	---	---	---	---	---
Wardenot--------	0-1	3-8	1.0-5.0	7.4-9.0	1-5	---	0-4	1-12
	1-60	5-10	3.0-8.0	7.4-9.0	1-5	---	0-4	1-12
Unsel----------	0-3	15-20	12.0-16.0	7.9-9.0	0-15	---	0-2	0-12
	3-15	20-27	16.0-22.0	7.4-9.0	1-15	---	0-2	0-12
	15-28	10-25	5.0-20.0	8.5-9.0	10-20	---	4-8	1-12
	28-60	2-8	0.0-5.0	8.5-9.0	10-20	---	4-8	13-30
1955:								
Pintwater-------	0-4	10-18	5.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	4-15	10-18	5.0-15.0	7.9-9.0	10-20	---	0-4	0-5
	15-19	---	---	---	---	---	---	---
Stumble---------	0-5	3-10	2.0-8.0	6.6-8.4	---	---	0-2	0-5
	5-38	3-10	2.0-8.0	7.9-8.4	1-5	---	0-4	0-5
	38-60	3-10	2.0-8.0	7.9-9.0	1-5	---	0-8	0-5
Downeyville-----	0-4	3-8	5.0-10.0	6.6-7.8	0-5	---	0-2	0-5
	4-10	18-27	10.0-25.0	7.9-9.0	0-10	---	0-2	0-5
	10-14	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1970:								
Linoyer---------	0-8	12-18	8.0-14.0	7.9-9.0	1-5	---	0-2	1-12
	8-54	12-18	8.0-15.0	7.9-9.0	1-5	---	0-2	1-12
	54-60	5-10	8.0-15.0	7.9-9.0	1-5	---	0-2	1-12
Rebel----------	0-9	10-18	15.0-30.0	6.6-7.8	0-1	---	0-4	0-5
	9-60	10-18	8.0-25.0	7.4-8.4	1-10	---	0-4	0-12
1990:								
Tognoni---------	0-5	10-18	5.0-15.0	7.9-9.0	1-15	---	0-2	0-5
	5-12	35-45	20.0-35.0	7.9-8.4	---	---	0-2	0-5
	12-16	---	---	---	---	---	---	---
Tognoni---------	0-5	10-18	5.0-15.0	7.9-9.0	1-15	---	0-2	0-5
	5-12	35-45	20.0-35.0	7.9-8.4	---	---	0-2	0-5
	12-16	---	---	---	---	---	---	---
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	1-5	---	0-4	0-2
	6-10	---	---	---	---	---	---	---
2040:								
Rock Outcrop.								
Silverbow-------	0-2	10-18	10.0-20.0	7.9-9.0	0-5	---	0-4	1-12
	2-12	20-35	10.0-30.0	7.9-9.0	1-35	---	0-4	1-12
	12-19	---	---	---	---	---	---	---
	19-36	---	---	---	---	---	---	---
2080:								
Maggie----------	0-4	12-22	8.0-15.0	7.9-9.6	0-10	---	0-2	0-5
	4-8	18-30	15.0-20.0	7.9-9.6	0-5	---	0-2	0-5
	8-12	10-20	7.0-15.0	7.9-9.6	0-10	---	0-2	0-5
	12-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
Pintwater-------	0-4	10-18	5.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	4-15	10-18	5.0-15.0	7.9-9.0	10-20	---	0-4	0-5
	15-19	---	---	---	---	---	---	---
Izo----------	0-5	3-8	1.0-7.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-4.0	7.9-9.0	5-20	---	0-4	0-5
2081:								
Maggie----------	0-4	12-22	8.0-15.0	7.9-9.6	0-10	---	0-2	0-5
	4-8	18-30	15.0-20.0	7.9-9.6	0-5	---	0-2	0-5
	8-12	10-20	7.0-15.0	7.9-9.6	0-10	---	0-2	0-5
	12-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
Stewval---------	0-1	12-18	5.0-13.0	7.4-8.4	1-5	---	---	0-2
	1-4	24-30	12.0-20.0	7.4-8.4	1-5	---	---	0-2
	4-8	---	---	---	---	---	---	---
Pintwater-------	0-4	10-18	5.0-15.0	7.9-9.0	5-15	---	0-2	0-5
	4-15	10-18	5.0-15.0	7.9-9.0	10-20	---	0-4	0-5
	15-19	---	---	---	---	---	---	---
2100:								
Rock Outcrop.								

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Blappert--------	0-3	10-18	7.0-14.0	7.9-9.0	0-1	---	0-2	0-5
	3-9	18-27	14.0-18.0	7.4-8.4	0-1	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
2110:								
Luning----------	0-3	3-10	1.0-7.0	7.4-9.0	1-10	---	0-2	1-5
	3-60	3-10	1.0-7.0	7.9-9.0	1-10	---	0-4	5-12
Hawsley---------	0-4	5-12	3.0-10.0	6.6-8.4	---	---	---	---
	4-60	0-5	1.0-5.0	7.4-9.0	1-5	---	0-2	1-5
Bluewing--------	0-3	3-10	2.0-8.0	7.4-9.0	0-2	---	0-2	0-5
	3-60	3-10	2.0-8.0	7.4-9.0	1-5	---	0-4	1-12
2111:								
Luning----------	0-3	3-10	1.0-7.0	7.4-9.0	1-10	---	0-2	1-5
	3-60	3-10	1.0-7.0	7.9-9.0	1-10	---	0-4	5-12
Izo----------	0-5	0-5	0.0-8.0	7.9-9.0	1-10	---	0-2	0-5
	5-60	0-5	0.0-8.0	7.9-9.0	5-20	---	0-4	0-5
2120:								
Tert----------	0-5	18-27	15.0-25.0	7.9-8.4	1-10	---	0-2	---
	5-9	---	---	---	---	---	---	---
Whilphang-------	0-7	10-18	5.0-15.0	7.9-9.0	5-10	---	0-4	0-5
	7-12	10-18	5.0-15.0	7.9-9.0	5-10	---	0-4	0-5
	12-16	---	---	---	---	---	---	---
Geer----------	0-4	5-18	5.0-15.0	7.9-8.4	1-10	---	0-2	0-5
	4-60	5-18	5.0-15.0	7.9-9.0	5-15	---	2-4	1-5
2121:								
Tert----------	0-5	18-27	15.0-25.0	7.9-8.4	1-10	---	0-2	---
	5-9	---	---	---	---	---	---	---
Roic----------	0-1	8-12	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	1-5	12-18	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	5-9	---	---	---	---	---	---	---
2130:								
Roic----------	0-1	8-12	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	1-5	12-18	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	5-9	---	---	---	---	---	---	---
Koyen----------	0-4	5-15	3.0-15.0	7.9-9.0	---	---	0-2	0-5
	4-27	10-18	5.0-15.0	7.9-9.0	0-20	---	0-2	0-5
	27-60	0-10	0.0-8.0	7.9-9.0	5-25	0-1	0-2	1-12
2131:								
Rock Outcrop.								
Roic----------	0-1	10-15	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	1-5	12-18	5.0-15.0	7.9-9.0	0-10	---	0-2	0-5
	5-9	---	---	---	---	---	---	---
Vindicator------	0-4	10-18	5.0-15.0	7.4-8.4	1-5	---	0-2	0-2
	4-14	20-30	10.0-20.0	7.4-8.4	1-5	---	0-2	0-2
	14-18	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2140:								
Advokay---------	0-5	12-18	10.0-20.0	7.4-8.4	5-15	---	0-2	0-5
	5-9	20-35	15.0-30.0	7.4-8.4	10-20	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	1-5	---	0-4	---
	6-10	---	---	---	---	---	---	---
Itme----------	0-4	3-8	0.0-5.0	7.4-8.4	0-5	---	0-2	0-5
	4-60	0-8	0.0-5.0	7.4-9.0	1-25	---	0-2	0-5
2141:								
Advokay---------	0-5	12-18	10.0-20.0	7.4-8.4	5-15	---	0-2	0-5
	5-9	20-35	15.0-30.0	7.4-8.4	10-20	---	0-2	0-5
	9-13	---	---	---	---	---	---	---
Blacktop--------	0-6	10-18	5.0-10.0	7.4-8.4	1-5	---	0-4	---
	6-10	---	---	---	---	---	---	---
2150:								
Gynelle---------	0-3	2-5	0.0-3.0	7.9-9.0	1-5	---	0-4	1-12
	3-60	2-10	0.0-8.0	7.9-9.0	1-20	---	4-8	13-30
2170:								
Lathrop---------	0-5	12-18	5.0-15.0	7.9-9.0	1-15	---	0-2	0-5
	5-11	20-30	15.0-25.0	7.4-9.0	0-20	---	0-2	0-5
	11-30	0-5	0.0-4.0	7.9-9.6	10-25	---	0-4	0-12
	30-60	0-3	0.0-3.0	7.9-9.6	0-10	---	0-4	0-12
Leo----------	0-6	5-15	0.0-3.0	7.9-9.0	0-5	---	0-2	0-2
	6-60	0-5	0.0-3.0	7.9-9.0	1-10	---	0-4	0-2
2180:								
Armoine---------	0-5	8-12	3.0-12.0	7.4-8.4	0-5	---	0-2	0-5
	5-15	18-25	10.0-20.0	7.4-9.0	0-20	---	0-2	0-5
	15-19	---	---	---	---	---	---	---
Beelem----------	0-3	10-18	5.0-20.0	7.4-8.4	1-5	---	0-2	0-2
	3-6	10-18	10.0-25.0	7.4-8.4	1-5	---	0-2	0-2
	6-10	---	---	---	---	---	---	---
2181:								
Rock Outcrop.								
Armoine---------	0-5	8-12	3.0-12.0	7.4-8.4	0-5	---	0-2	0-5
	5-15	18-25	10.0-20.0	7.4-9.0	0-20	---	0-2	0-5
	15-19	---	---	---	---	---	---	---
2220:								
Enko----------	0-5	10-18	10.0-25.0	6.6-8.4	---	---	0-4	0-5
	5-15	10-18	10.0-25.0	6.6-8.4	---	---	0-4	1-12
	15-31	10-18	10.0-25.0	7.4-9.0	0-5	---	0-8	5-12
	31-60	10-18	10.0-25.0	7.4-9.0	0-15	---	4-16	5-12
Orovada---------	0-5	5-10	10.0-15.0	6.6-8.4	---	---	---	0-5
	5-22	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	0-5
	22-60	5-18	10.0-20.0	7.9-9.6	1-15	---	4-16	1-12
2230:								
Rotinom---------	0-8	15-25	20.0-30.0	7.9-9.0	0-5	---	0-4	0-4
	8-60	18-27	15.0-30.0	7.9-9.0	2-10	---	0-4	0-10

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Wholan----------	0-4	5-15	3.0-10.0	7.4-9.0	0-1	---	2-4	0-12
	4-60	5-15	3.0-10.0	7.4-9.0	0-15	---	4-16	5-45
Wholan----------	0-4	5-15	3.0-10.0	7.4-9.0	0-1	---	2-4	0-12
	4-60	5-15	3.0-10.0	7.4-9.0	0-15	---	4-16	5-45
2240:								
Unius----------	0-5	18-25	20.0-25.0	7.4-8.4	1-5	---	---	---
	5-11	18-25	15.0-20.0	7.9-8.4	5-15	---	0-2	0-5
	11-24	---	---	---	---	---	---	---
	24-60	5-8	3.0-6.0	7.9-8.4	5-15	---	2-4	5-12
Orovada---------	0-5	5-10	10.0-15.0	6.6-8.4	---	---	---	0-5
	5-22	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	1-12
	22-60	5-18	10.0-20.0	7.9-9.6	0-10	0-2	4-16	13-45
2241:								
Unius----------	0-5	18-25	20.0-25.0	7.4-8.4	1-5	---	---	---
	5-11	18-25	15.0-20.0	7.9-8.4	5-15	---	0-2	0-5
	11-24	---	---	---	---	---	---	---
	24-60	5-8	3.0-6.0	7.9-8.4	5-15	---	2-4	5-12
Defler----------	0-3	8-18	5.0-15.0	7.4-9.0	1-5	---	0-2	---
	3-20	8-18	5.0-15.0	7.4-9.0	5-10	---	0-4	---
	20-60	5-10	0.0-5.0	7.4-9.0	5-10	---	8-16	0-12
2250:								
Muni----------	0-5	14-20	12.0-20.0	6.6-7.3	---	---	---	---
	5-14	18-35	15.0-30.0	6.6-7.8	---	---	---	---
	14-29	---	---	---	---	---	---	---
	29-60	5-10	5.0-8.0	8.5-9.0	5-10	---	0-4	1-5
Orovada---------	0-5	5-10	10.0-15.0	6.6-8.4	---	---	---	0-5
	5-22	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	1-12
	22-60	5-18	10.0-20.0	7.9-9.6	0-10	0-2	4-16	13-45
Unius----------	0-5	18-25	20.0-25.0	7.4-8.4	1-5	---	---	---
	5-11	18-25	15.0-20.0	7.9-8.4	5-15	---	0-2	0-5
	11-24	---	---	---	---	---	---	---
	24-60	5-8	3.0-6.0	7.9-8.4	5-15	---	2-4	5-12
2252:								
Muni----------	0-5	14-18	12.0-20.0	6.6-7.3	---	---	---	---
	5-14	18-35	15.0-30.0	6.6-7.8	---	---	---	---
	14-29	---	---	---	---	---	---	---
	29-60	5-10	5.0-8.0	8.5-9.0	5-10	---	0-4	1-5
Alley----------	0-6	5-10	5.0-10.0	6.6-7.8	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
Rebel----------	0-9	10-18	15.0-30.0	6.6-7.8	0-1	---	0-4	0-5
	9-60	10-18	8.0-25.0	7.4-8.4	1-10	---	0-4	0-12
2271:								
Buffaran--------	0-4	20-27	16.0-24.0	6.6-7.8	---	---	---	---
	4-15	35-50	28.0-42.0	6.6-8.4	0-1	---	0-4	---
	15-29	---	---	---	---	---	---	---
	29-60	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2271 (con.):								
Wieland	0-8	18-27	15.0-30.0	7.4-8.4	---	---	0-2	---
	8-23	40-55	30.0-50.0	7.4-9.0	0-5	---	0-4	---
	23-36	27-35	25.0-40.0	7.9-9.0	5-20	---	0-8	0-5
	36-60	10-20	20.0-40.0	7.9-9.0	5-20	---	0-8	0-5
2272:								
Buffaran	0-4	18-27	13.0-20.0	6.6-7.8	---	---	---	---
	4-15	35-50	21.0-42.0	6.6-8.4	0-1	---	0-2	---
	15-29	---	---	---	---	---	---	---
	29-60	---	---	---	---	---	---	---
Pineval	0-4	10-20	8.0-15.0	7.4-8.4	---	---	---	---
	4-13	25-35	20.0-30.0	7.4-8.4	0-1	---	---	---
	13-60	5-10	0.0-5.0	7.4-8.4	1-5	---	0-2	0-5
2290:								
Spasprey	0-5	12-20	10.0-20.0	6.6-7.3	---	---	---	---
	5-21	20-35	10.0-30.0	6.6-7.8	0-10	---	---	---
	21-32	---	---	---	---	---	---	---
	32-60	5-12	5.0-10.0	7.9-8.4	10-20	---	0-4	---
Alley	0-6	10-20	0.0-20.0	6.6-7.8	---	---	---	0-5
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
2291:								
Spasprey	0-5	12-20	10.0-20.0	6.6-7.3	---	---	---	---
	5-21	20-35	10.0-30.0	6.6-7.8	0-10	---	---	---
	21-32	---	---	---	---	---	---	---
	32-60	5-12	5.0-10.0	7.9-8.4	10-20	---	0-4	---
Buffaran	0-4	10-20	8.0-16.0	6.6-7.8	---	---	---	---
	4-15	35-50	21.0-42.0	6.6-8.4	0-1	---	0-2	---
	15-29	---	---	---	---	---	---	---
	29-60	---	---	---	---	---	---	---
Orovada	0-5	5-10	10.0-15.0	6.6-8.4	---	---	---	0-5
	5-22	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	1-12
	22-60	5-18	10.0-20.0	7.9-9.6	0-10	0-2	4-16	13-45
2300:								
Kelk	0-6	15-20	10.0-20.0	6.6-8.4	0-1	---	0-4	1-5
	6-42	18-27	20.0-30.0	7.4-8.4	0-5	---	0-8	5-12
	42-60	18-27	20.0-30.0	8.5-9.0	1-5	---	4-16	13-30
Settlemeyer	0-3	10-18	8.0-15.0	7.4-8.4	0-1	---	0-4	0-5
	3-20	27-35	20.0-35.0	7.4-8.4	0-1	---	0-4	0-5
	20-60	12-20	10.0-16.0	7.4-8.4	0-1	---	0-4	0-5
2320:								
Rosney	0-3	5-10	5.0-10.0	8.5-9.6	1-5	---	8-16	35-80
	3-15	10-18	5.0-15.0	8.5-9.6	1-10	---	16-32	35-80
	15-60	25-35	15.0-25.0	8.5-9.6	1-10	1-5	16-32	35-80
Kelk	0-6	18-27	15.0-25.0	6.6-8.4	0-1	---	0-4	1-5
	6-42	18-27	20.0-30.0	7.4-8.4	0-5	---	0-8	5-12
	42-60	18-27	20.0-30.0	8.5-9.0	1-5	---	4-16	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Kelk----------	0-6	18-27	15.0-25.0	6.6-8.4	0-1	---	0-4	1-5
	6-42	18-27	20.0-30.0	7.4-8.4	0-5	---	0-8	5-12
	42-60	18-27	20.0-30.0	8.5-9.0	1-5	---	4-16	13-30
2321:								
Rosney----------	0-3	5-10	5.0-10.0	8.5-9.6	1-5	---	8-16	35-80
	3-15	10-18	5.0-15.0	8.5-9.6	1-10	---	16-32	35-80
	15-60	25-35	15.0-25.0	8.5-9.6	1-10	1-5	16-32	35-80
Dunphy----------	0-15	10-15	7.0-15.0	8.5-9.6	1-5	---	16-32	30-45
	15-30	10-15	7.0-13.0	8.5-9.6	1-5	---	4-16	13-30
	30-45	5-10	3.0-9.0	8.5-9.0	1-5	---	4-8	5-30
	45-60	0-5	0.0-3.0	8.5-9.0	1-3	---	4-8	5-13
Paranat---------	0-18	18-27	10.0-30.0	7.9-9.0	1-5	---	0-4	1-12
	18-38	18-35	10.0-30.0	7.9-9.0	1-10	---	0-2	1-12
	38-60	18-35	10.0-30.0	7.9-9.0	1-10	---	0-2	1-12
2330:								
Cliffdown-------	0-3	10-15	5.0-10.0	7.9-9.0	15-30	---	0-2	0-5
	3-60	5-15	5.0-10.0	7.9-9.0	15-30	---	0-8	1-12
Lyx----------	0-3	5-10	3.0-7.0	7.9-9.0	---	---	0-2	0-5
	3-11	10-18	7.0-15.0	7.9-9.0	0-1	---	0-2	0-5
	11-60	5-10	3.0-7.0	7.9-9.0	5-15	---	0-2	0-5
2340:								
Alley----------	0-6	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
Portmount-------	0-4	5-15	5.0-15.0	7.9-8.4	0-1	---	0-2	0-5
	4-12	15-25	10.0-20.0	7.9-8.4	0-5	---	0-2	0-5
	12-60	5-15	3.0-10.0	7.9-8.4	0-10	---	0-2	0-5
Rebel----------	0-9	10-15	10.0-20.0	6.6-7.8	0-1	---	0-4	0-5
	9-60	10-18	8.0-20.0	7.4-9.0	1-10	---	0-4	1-12
2341:								
Alley----------	0-6	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
Wiffo----------	0-9	10-18	8.0-15.0	7.9-9.0	15-25	---	0-2	1-5
	9-25	8-15	5.0-11.0	7.9-9.0	15-25	---	0-2	1-5
	25-60	5-15	3.0-9.0	7.9-9.0	15-25	---	0-4	1-5
Wrango----------	0-2	5-12	5.0-10.0	7.4-8.4	0-1	---	0-2	0-2
	2-12	5-12	5.0-10.0	7.4-8.4	1-5	---	0-2	0-2
	12-60	0-8	1.0-8.0	7.4-8.4	1-5	---	0-2	0-5
2342:								
Alley----------	0-6	10-20	0.0-20.0	6.6-7.8	---	---	---	0-5
	6-16	20-30	10.0-25.0	7.3	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.4-9.0	15-30	---	2-8	1-12
Kelk----------	0-6	15-20	10.0-20.0	6.6-8.4	0-1	---	0-4	1-5
	6-42	18-27	20.0-30.0	7.4-8.4	0-5	---	0-8	5-12
	42-60	18-27	20.0-30.0	8.5-9.0	1-5	---	4-16	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2343:								
Alley----------	0-6	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
Pineval---------	0-4	10-20	8.0-15.0	7.4-8.4	---	---	---	---
	4-13	25-35	20.0-30.0	7.4-8.4	0-1	---	---	---
	13-60	5-10	0.0-5.0	7.4-8.4	1-5	---	0-2	0-5
Portmount-------	0-4	5-15	5.0-15.0	7.9-8.4	0-1	---	0-2	0-5
	4-12	15-25	10.0-20.0	7.9-8.4	0-5	---	0-2	0-5
	12-60	5-15	3.0-10.0	7.9-8.4	0-10	---	0-2	0-5
2344:								
Alley----------	0-6	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
Buffaran--------	0-4	18-27	13.0-20.0	6.6-7.8	---	---	---	---
	4-15	35-50	21.0-42.0	6.6-8.4	0-1	---	0-2	---
	15-29	---	---	---	---	---	---	---
	29-60	---	---	---	---	---	---	---
Spaspray--------	0-5	12-20	10.0-20.0	6.6-7.8	---	---	---	---
	5-21	20-35	10.0-30.0	6.6-7.8	0-10	---	---	---
	21-32	---	---	---	---	---	---	---
	32-60	5-12	5.0-10.0	7.9-8.4	10-20	---	0-4	---
2345:								
Alley----------	0-6	10-20	0.0-20.0	6.6-7.3	---	---	---	0-5
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
Wieland---------	0-8	18-27	15.0-30.0	7.4-8.4	---	---	0-2	---
	8-23	40-55	30.0-60.0	7.4-9.0	0-5	---	0-4	---
	23-36	27-35	25.0-40.0	7.9-9.0	5-20	---	0-8	0-5
	36-60	10-20	20.0-40.0	7.9-9.0	5-20	---	0-8	0-5
Pineval---------	0-4	10-20	8.0-15.0	7.4-8.4	---	---	---	---
	4-13	25-35	20.0-30.0	7.4-8.4	0-1	---	---	---
	13-60	5-10	0.0-5.0	7.4-8.4	1-5	---	0-2	0-5
2360:								
Dewar----------	0-3	18-25	10.0-25.0	6.6-8.4	0-1	---	0-2	0-5
	3-7	27-35	15.0-30.0	6.6-8.4	0-5	---	0-4	1-12
	7-15	15-27	10.0-25.0	7.9-8.4	5-15	---	0-8	1-12
	15-44	---	---	---	---	---	---	---
	44-60	---	---	---	---	---	---	---
Alley----------	0-6	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
2361:								
Dewar----------	0-3	15-20	11.0-16.0	7.9-8.4	---	---	---	---
	3-15	27-35	16.0-24.0	7.9-8.4	0-1	---	---	1-5
	15-60	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Shabliss--------	0-6	10-16	10.0-20.0	6.6-8.4	0-1	---	0-2	1-5
	6-12	5-15	5.0-15.0	6.6-9.0	0-5	---	0-4	5-12
	12-16	---	---	---	---	---	---	---
	16-60	0-5	2.0-10.0	7.9-9.6	10-30	---	4-8	13-30
Alley----------	0-6	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
2400:								
Zaidy----------	0-4	12-18	10.0-15.0	7.4-8.4	0-5	---	---	---
	4-22	25-35	20.0-30.0	7.4-8.4	5-15	---	0-2	0-5
	22-60	---	---	---	---	---	---	---
Alley----------	0-6	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
Portmount-------	0-4	5-15	5.0-15.0	7.9-8.4	0-1	---	0-2	0-5
	4-12	15-25	10.0-20.0	7.9-8.4	0-5	---	0-2	0-5
	12-60	5-15	3.0-10.0	7.9-8.4	0-10	---	0-2	0-5
2401:								
Zaidy----------	0-4	12-18	10.0-15.0	7.4-8.4	0-5	---	---	---
	4-22	25-35	20.0-30.0	7.4-8.4	5-15	---	0-2	0-5
	22-60	---	---	---	---	---	---	---
Ricert----------	0-6	12-20	8.0-18.0	7.9-8.4	1-3	---	0-2	5-12
	6-18	25-35	15.0-29.0	8.5-9.0	1-5	---	2-8	13-30
	18-31	22-32	14.0-27.0	8.5-9.0	2-10	---	2-8	13-45
	31-60	6-16	3.0-11.0	8.5-9.0	5-10	---	2-8	13-45
Alley----------	0-6	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	6-16	20-30	10.0-25.0	7.4-8.4	10-20	---	0-2	0-5
	16-60	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
2410:								
Settlemeyer-----	0-20	18-27	8.0-15.0	6.6-8.4	0-1	---	---	---
	20-60	27-35	20.0-30.0	6.6-8.4	0-1	---	---	---
2430:								
Rose Creek------	0-11	10-15	9.0-15.0	7.4-8.4	0-3	---	0-4	5-12
	11-60	10-18	9.0-16.0	7.9-9.0	0-5	---	2-4	5-30
2431:								
Rose Creek------	0-11	10-15	10.0-15.0	7.9-8.4	0-3	---	2-4	1-12
	11-60	10-18	5.0-15.0	7.4-8.4	0-5	---	2-4	1-12
2440:								
Paranat---------	0-18	18-27	10.0-30.0	7.9-9.0	1-5	---	0-4	1-12
	18-38	18-35	10.0-30.0	7.9-9.0	1-10	---	0-2	1-12
	38-60	18-35	10.0-30.0	7.9-9.0	1-10	---	0-2	1-12

TABLE 18.--WATER FEATURES

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1000:									
Stumble---------	A	None	---	---	>6.0	---	---	---	---
1001:									
Stumble---------	A	None	---	---	>6.0	---	---	---	---
Koyen----------	B	None	---	---	>6.0	---	---	---	---
1004:									
Stumble---------	A	None	---	---	>6.0	---	---	---	---
Eastgate--------	B	Rare	---	---	>6.0	---	---	---	---
1005:									
Stumble---------	A	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Eastgate--------	B	Rare	---	---	>6.0	---	---	---	---
1021:									
Easychair-------	B	Rare	---	---	>6.0	---	---	---	---
Penoyer---------	B	Rare	---	---	>6.0	---	---	---	---
1031:									
Eastgate--------	B	Rare	---	---	>6.0	---	---	---	---
1035:									
Eastgate--------	B	Rare	---	---	>6.0	---	---	---	---
Lyx----------	B	Rare	---	---	>6.0	---	---	---	---
Stumble---------	A	None	---	---	>6.0	---	---	---	---
1039:									
Eastgate--------	B	Rare	---	---	>6.0	---	---	---	---
Lyx----------	B	Rare	---	---	>6.0	---	---	---	---
1050:									
Schwalbe--------	B	None	---	---	>6.0	---	---	---	---
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Bellehelen------	D	None	---	---	>6.0	---	---	---	---
1060:									
Celeton---------	D	None	---	---	>6.0	---	---	---	---
Celeton---------	D	None	---	---	>6.0	---	---	---	---
Badland---------	D	None	---	---	>6.0	---	---	---	---
1061:									
Celeton---------	D	None	---	---	>6.0	---	---	---	---
Vigus----------	B	None	---	---	>6.0	---	---	---	---
Whirlo----------	B	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1071:									
Singatse--------	D	None	---	---	>6.0	---	---	---	---
Theon----------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1076:									
Singatse--------	D	None	---	---	>6.0	---	---	---	---
Hawsley---------	A	None	---	---	>6.0	---	---	---	---
1090:									
Univega---------	D	None	---	---	>6.0	---	---	---	---
Koyen----------	B	None	---	---	>6.0	---	---	---	---
Watoopah--------	B	None	---	---	>6.0	---	---	---	---
1092:									
Univega---------	D	None	---	---	>6.0	---	---	---	---
1093:									
Univega---------	D	None	---	---	>6.0	---	---	---	---
Jevets----------	C	None	---	---	>6.0	---	---	---	---
Univega---------	D	None	---	---	>6.0	---	---	---	---
1100:									
Gabbvally-------	D	None	---	---	>6.0	---	---	---	---
Stewval---------	D	None	---	---	>6.0	---	---	---	---
1130:									
Unsel----------	B	None	---	---	>6.0	---	---	---	---
1131:									
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Geer----------	B	Rare	---	---	>6.0	---	---	---	---
1132:									
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Hollywell-------	B	Rare	---	---	>6.0	---	---	---	---
Roic----------	D	None	---	---	>6.0	---	---	---	---
1133:									
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Geer----------	B	Rare	---	---	>6.0	---	---	---	---
1134:									
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Hollywell-------	B	Rare	---	---	>6.0	---	---	---	---
Lyx----------	B	Rare	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1135:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Watoopah	B	None	---	---	>6.0	---	---	---	---
1136:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Eastgate	B	Rare	---	---	>6.0	---	---	---	---
Stumble	A	None	---	---	>6.0	---	---	---	---
1137:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Koyen	B	None	---	---	>6.0	---	---	---	---
1138:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Zadvar	D	None	---	---	>6.0	---	---	---	---
1141:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Wardenot	A	Rare	---	---	>6.0	---	---	---	---
Izo	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1142:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Annaw	B	Rare	---	---	>6.0	---	---	---	---
Izo	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1145:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Annaw	B	Rare	---	---	>6.0	---	---	---	---
1146:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Silverbow	D	None	---	---	>6.0	---	---	---	---
Izo	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1147:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Hollywell	B	Rare	---	---	>6.0	---	---	---	---
Hollywell	B	Rare	---	---	>6.0	---	---	---	---
1148:									
Unsel	B	None	---	---	>6.0	---	---	---	---
Ricert	B	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1148 (con.):									
Zaidy----------	C	None	---	---	>6.0	---	---	---	---
1150:									
Nuyobe----------	C	Rare	---	---	2.0-3.0	Apparent	Nov-May	---	---
1162:									
Jung----------	D	None	---	---	>6.0	---	---	---	---
Clanalpine------	C	None	---	---	>6.0	---	---	---	---
Colbar----------	C	None	---	---	>6.0	---	---	---	---
1163:									
Jung----------	D	None	---	---	>6.0	---	---	---	---
Hooplite--------	D	None	---	---	>6.0	---	---	---	---
1190:									
Penoyer---------	B	Rare	---	---	>6.0	---	---	---	---
Geer----------	B	Rare	---	---	>6.0	---	---	---	---
1191:									
Penoyer---------	B	Rare	---	---	>6.0	---	---	---	---
Sevenmile-------	B	Rare	---	---	>6.0	---	---	---	---
1220:									
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Beelem----------	D	None	---	---	>6.0	---	---	---	---
1221:									
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1222:									
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
Gabbvally-------	D	None	---	---	>6.0	---	---	---	---
1223:									
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1226:									
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Bellehelen------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1227:									
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1229:									
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Advokay---------	D	None	---	---	>6.0	---	---	---	---
Itme----------	A	Rare	---	---	>6.0	---	---	---	---
1230:									
Geer----------	B	Rare	---	---	>6.0	---	---	---	---
Eastgate--------	B	Rare	---	---	>6.0	---	---	---	---
1231:									
Geer----------	B	Rare	---	---	>6.0	---	---	---	---
1233:									
Geer----------	B	Rare	---	---	>6.0	---	---	---	---
Koyen----------	B	Rare	---	---	>6.0	---	---	---	---
1242:									
Stargo----------	B	Rare	---	---	>6.0	---	---	---	---
Playas----------	D	Rare	---	---	-1.0-1.0	Apparent	Feb-Sep	Long	1.0
1243:									
Stargo----------	B	Occasional	Brief	Jan-Jul	>6.0	---	---	---	---
Playas----------	D	Occasional	---	---	-1.0-1.0	Apparent	Feb-Sep	Long	1.0
Slaw----------	C	Occasional	Brief	Dec-Jun	>6.0	---	---	---	---
1252:									
Wardenot--------	A	Rare	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Yomba----------	B	None	---	---	>6.0	---	---	---	---
1262:									
Berzatic--------	D	None	---	---	>6.0	---	---	---	---
Kyler----------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1263:									
Berzatic--------	D	None	---	---	>6.0	---	---	---	---
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
Pintwater-------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1290:									
Oricto----------	B	Rare	---	---	>6.0	---	---	---	---
Gynelle---------	A	Rare	---	---	>6.0	---	---	---	---
1291:									
Oricto----------	B	None	---	---	>6.0	---	---	---	---
Izo----------	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1292:									
Oricto----------	B	None	---	---	>6.0	---	---	---	---
Luning----------	A	Rare	---	---	>6.0	---	---	---	---
1293:									
Oricto----------	B	None	---	---	>6.0	---	---	---	---
Terlco----------	B	None	---	---	>6.0	---	---	---	---
Roic----------	D	None	---	---	>6.0	---	---	---	---
1302:									
Ricert----------	B	None	---	---	>6.0	---	---	---	---
Celeton---------	D	None	---	---	>6.0	---	---	---	---
1303:									
Ricert----------	B	None	---	---	>6.0	---	---	---	---
Luning----------	A	Rare	---	---	>6.0	---	---	---	---
1304:									
Ricert----------	B	None	---	---	>6.0	---	---	---	---
Ricert----------	B	None	---	---	>6.0	---	---	---	---
Cliffdown-------	B	Rare	---	---	>6.0	---	---	---	---
1320:									
Terlco----------	B	None	---	---	>6.0	---	---	---	---
Terlco----------	B	None	---	---	>6.0	---	---	---	---
1321:									
Terlco----------	B	None	---	---	>6.0	---	---	---	---
Whirlo----------	B	None	---	---	>6.0	---	---	---	---
1323:									
Terlco----------	B	None	---	---	>6.0	---	---	---	---
Annaw----------	B	Rare	---	---	>6.0	---	---	---	---
Izo----------	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1326:									
Terlco----------	B	None	---	---	>6.0	---	---	---	---
Lyda----------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1330:									
Handpah---------	D	None	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
1331:									
Handpah---------	D	None	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
1332:									
Handpah---------	D	None	---	---	>6.0	---	---	---	---
Chuckridge------	D	None	---	---	>6.0	---	---	---	---
1333:									
Handpah---------	D	None	---	---	>6.0	---	---	---	---
Watoopah--------	B	None	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
1334:									
Handpah---------	D	None	---	---	>6.0	---	---	---	---
Lyda----------	D	None	---	---	>6.0	---	---	---	---
1351:									
Chill----------	D	None	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
1360:									
Wabuska---------	C	Rare	---	---	2.5-3.5	Apparent	May-Jul	---	---
Playas----------	D	Occasional	---	---	-1.0-1.0	Apparent	Feb-Sep	Long	1.0
Isolde----------	A	None	---	---	>6.0	---	---	---	---
1390:									
Jevets----------	C	None	---	---	>6.0	---	---	---	---
Stumble---------	A	None	---	---	>6.0	---	---	---	---
Univega---------	D	None	---	---	>6.0	---	---	---	---
1410:									
Watoopah--------	B	None	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
1412:									
Watoopah--------	B	None	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
Zadvar----------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1420:									
Squawtip--------	C	None	---	---	>6.0	---	---	---	---
Bellehelen------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1421:									
Squawtip--------	C	None	---	---	>6.0	---	---	---	---
Gabbvally-------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1430:									
Bellehelen------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1451:									
Grassval--------	D	None	---	---	>6.0	---	---	---	---
Zaidy-----------	C	None	---	---	>6.0	---	---	---	---
Alley-----------	B	None	---	---	>6.0	---	---	---	---
1452:									
Grassval--------	D	None	---	---	>6.0	---	---	---	---
Dewar-----------	D	None	---	---	>6.0	---	---	---	---
Alley-----------	B	None	---	---	>6.0	---	---	---	---
1453:									
Grassval--------	D	None	---	---	>6.0	---	---	---	---
Defler----------	B	Occasional	---	Dec-Aug	>6.0	---	---	---	---
Ricert----------	B	None	---	---	>6.0	---	---	---	---
1454:									
Grassval--------	D	None	---	---	>6.0	---	---	---	---
Wieland---------	C	None	---	---	>6.0	---	---	---	---
1460:									
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
Handpah---------	D	None	---	---	>6.0	---	---	---	---
1461:									
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
Chuckridge------	D	None	---	---	>6.0	---	---	---	---
Watoopah--------	B	None	---	---	>6.0	---	---	---	---
1462:									
Zadvar----------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1462 (con.):									
Chuckridge------	D	None	---	---	>6.0	---	---	---	---
1463:									
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
1464:									
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
Stewval---------	D	None	---	---	>6.0	---	---	---	---
1465:									
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
1466:									
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
Barnmot---------	D	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
1470:									
Cirac----------	B	Rare	---	---	>6.0	---	---	---	---
Wardenot--------	A	Rare	---	---	>6.0	---	---	---	---
Slaw----------	C	Occasional	Brief	Dec-May	>6.0	---	---	---	---
1476:									
Cirac----------	B	Rare	---	---	>6.0	---	---	---	---
Kawich----------	A	None	---	---	>6.0	---	---	---	---
1477:									
Cirac----------	B	Rare	---	---	>6.0	---	---	---	---
Cirac----------	B	Rare	---	---	>6.0	---	---	---	---
Stumble---------	A	None	---	---	>6.0	---	---	---	---
1481:									
Chuckridge------	D	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
1483:									
Chuckridge------	D	None	---	---	>6.0	---	---	---	---
1492:									
Slaw----------	C	Occasional	Brief	Dec-Jun	>6.0	---	---	---	---
Rustigate-------	C	Rare	---	---	3.0-5.0	Apparent	Dec-Jul	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1493:									
Slaw----------	C	Occasional	Brief	Dec-Jun	>6.0	---	---	---	---
Stargo----------	B	Rare	---	---	>6.0	---	---	---	---
Geer----------	B	Rare	---	---	>6.0	---	---	---	---
1494:									
Slaw----------	C	Occasional	Brief	Dec-May	>6.0	---	---	---	---
Slaw----------	C	Occasional	Brief	Dec-Jun	>6.0	---	---	---	---
Gitakup---------	C	Rare	---	---	>6.0	---	---	---	---
1495:									
Slaw----------	C	Occasional	Brief	Dec-May	>6.0	---	---	---	---
Cirac----------	B	Rare	---	---	>6.0	---	---	---	---
Kawich----------	A	None	---	---	>6.0	---	---	---	---
1510:									
Isolde----------	A	None	---	---	>6.0	---	---	---	---
Hawsley---------	A	None	---	---	>6.0	---	---	---	---
1520:									
Rustigate-------	C	Rare	---	---	3.0-5.0	Apparent	Dec-Jul	---	---
1530:									
Rebel----------	B	Rare	---	---	>6.0	---	---	---	---
1540:									
Packer----------	B	None	---	---	>6.0	---	---	---	---
Suak----------	C	None	---	---	>6.0	---	---	---	---
Foxvire---------	B	None	---	---	>6.0	---	---	---	---
1551:									
Sevenmile-------	B	Rare	---	---	>6.0	---	---	---	---
1552:									
Sevenmile-------	B	Rare	---	---	>6.0	---	---	---	---
Mosida----------	B	Occasional	---	Feb-May	>6.0	---	---	---	---
Rebel----------	B	Rare	---	---	>6.0	---	---	---	---
1553:									
Sevenmile-------	B	Rare	---	---	>6.0	---	---	---	---
1580:									
Kyler----------	D	None	---	---	>6.0	---	---	---	---
1620:									
Vinini----------	D	None	---	---	>6.0	---	---	---	---
Stewval---------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1620 (con.):									
Gabbvally-------	D	None	---	---	>6.0	---	---	---	---
1621:									
Vinini----------	D	None	---	---	>6.0	---	---	---	---
Beelem----------	D	None	---	---	>6.0	---	---	---	---
Gabbvally-------	D	None	---	---	>6.0	---	---	---	---
1631:									
Lyx----------	B	Rare	---	---	>6.0	---	---	---	---
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
1648:									
Armespan--------	B	None	---	---	>6.0	---	---	---	---
Whilphang-------	D	None	---	---	>6.0	---	---	---	---
Wrango----------	A	Rare	---	---	>6.0	---	---	---	---
1660:									
Minnye----------	B	None	---	---	>6.0	---	---	---	---
Annaw----------	B	Rare	---	---	>6.0	---	---	---	---
Wardenot--------	A	Rare	---	---	>6.0	---	---	---	---
1661:									
Minnye----------	B	None	---	---	>6.0	---	---	---	---
Cliffdown-------	B	Rare	---	---	>6.0	---	---	---	---
Lyx----------	B	Rare	---	---	>6.0	---	---	---	---
1670:									
Logring---------	D	None	---	---	>6.0	---	---	---	---
Kyler----------	D	None	---	---	>6.0	---	---	---	---
1680:									
Uripnes---------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1681:									
Uripnes---------	D	None	---	---	>6.0	---	---	---	---
Budihol---------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1691:									
Goldyke---------	D	None	---	---	>6.0	---	---	---	---
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
Koyen----------	B	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1704:									
Leo----------	A	Rare	---	---	>6.0	---	---	---	---
Izo----------	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1705:									
Leo----------	A	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Lyx----------	B	Rare	---	---	>6.0	---	---	---	---
1706:									
Leo----------	A	Rare	---	---	>6.0	---	---	---	---
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
1741:									
Keefa----------	B	None	---	---	>6.0	---	---	---	---
Koyen----------	B	None	---	---	>6.0	---	---	---	---
1751:									
Koyen----------	B	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Koyen----------	B	None	---	---	>6.0	---	---	---	---
1753:									
Koyen----------	B	None	---	---	>6.0	---	---	---	---
Stumble---------	A	None	---	---	>6.0	---	---	---	---
Koyen----------	B	None	---	---	>6.0	---	---	---	---
1760:									
Vindicator------	D	None	---	---	>6.0	---	---	---	---
1790:									
Hooplite--------	D	None	---	---	>6.0	---	---	---	---
Theon----------	D	None	---	---	>6.0	---	---	---	---
Old Camp--------	D	None	---	---	>6.0	---	---	---	---
1792:									
Hooplite--------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1800:									
Lyda----------	D	None	---	---	>6.0	---	---	---	---
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
1801:									
Lyda----------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1801 (con.):									
Leo----------	A	Rare	---	---	>6.0	---	---	---	---
Zadvar----------	D	None	---	---	>6.0	---	---	---	---
1802:									
Lyda----------	D	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Koyen----------	B	None	---	---	>6.0	---	---	---	---
1805:									
Lyda----------	D	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
Unsel----------	B	None	---	---	>6.0	---	---	---	---
1820:									
Izo----------	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1830:									
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1833:									
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
1834:									
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
1835:									
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
Goldyke---------	D	None	---	---	>6.0	---	---	---	---
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
1840:									
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
Cliffdown-------	B	Rare	---	---	>6.0	---	---	---	---
1845:									
Veet----------	B	Rare	---	---	>6.0	---	---	---	---
Leo----------	A	Rare	---	---	>6.0	---	---	---	---
Minnye----------	B	None	---	---	>6.0	---	---	---	---
1851:									
Garhill---------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1851 (con.):									
Tognoni---------	D	None	---	---	>6.0	---	---	---	---
1860:									
Old Camp--------	D	None	---	---	>6.0	---	---	---	---
Colbar----------	C	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1891:									
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1900:									
Playas----------	D	Occasional	---	---	-1.0-1.0	Apparent	Feb-Sep	Long	1.0
1901:									
Playas----------	D	Occasional	---	---	-1.0-1.0	Apparent	Feb-Sep	Long	1.0
Slaw----------	C	Occasional	Brief	Dec-Jun	>6.0	---	---	---	---
1902:									
Slickens--------	B	None	---	---	>6.0	---	---	---	---
1910:									
Yomba----------	B	None	---	---	>6.0	---	---	---	---
1911:									
Yomba----------	B	None	---	---	>6.0	---	---	---	---
Playas----------	D	Occasional	---	---	-1.0-1.0	Apparent	Feb-Sep	Long	1.0
Yomba----------	B	None	---	---	>6.0	---	---	---	---
1930:									
Stonell---------	B	None	---	---	>6.0	---	---	---	---
Wardenot--------	A	Rare	---	---	>6.0	---	---	---	---
Izo----------	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1950:									
Pintwater-------	D	None	---	---	>6.0	---	---	---	---
Izo----------	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
1951:									
Pintwater-------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
1953:									
Pintwater-------	D	None	---	---	>6.0	---	---	---	---
Terlco----------	B	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1954:									
Pintwater-------	D	None	---	---	>6.0	---	---	---	---
Wardenot--------	A	Rare	---	---	>6.0	---	---	---	---
Unsel-----------	B	None	---	---	>6.0	---	---	---	---
1955:									
Pintwater-------	D	None	---	---	>6.0	---	---	---	---
Stumble---------	A	None	---	---	>6.0	---	---	---	---
Downeyville-----	D	None	---	---	>6.0	---	---	---	---
1970:									
Linoyer---------	B	Rare	---	---	>6.0	---	---	---	---
Rebel-----------	B	Rare	---	---	>6.0	---	---	---	---
1990:									
Tognoni---------	D	None	---	---	>6.0	---	---	---	---
Tognoni---------	D	None	---	---	>6.0	---	---	---	---
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
2040:									
Silverbow-------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
2080:									
Maggie----------	D	None	---	---	>6.0	---	---	---	---
Pintwater-------	D	None	---	---	>6.0	---	---	---	---
Izo-------------	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
2081:									
Maggie----------	D	None	---	---	>6.0	---	---	---	---
Stewval---------	D	None	---	---	>6.0	---	---	---	---
Pintwater-------	D	None	---	---	>6.0	---	---	---	---
2100:									
Blappert--------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
2110:									
Luning----------	A	Rare	---	---	>6.0	---	---	---	---
Hawsley---------	A	None	---	---	>6.0	---	---	---	---
Bluewing--------	A	Occasional	---	Jul-Sep	>6.0	---	---	---	---
2111:									
Luning----------	A	Rare	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2111 (con.):									
Izo----------	A	Occasional	---	Dec-Aug	>6.0	---	---	---	---
2120:									
Tert----------	D	None	---	---	>6.0	---	---	---	---
Whilphang-------	D	None	---	---	>6.0	---	---	---	---
Geer----------	B	Rare	---	---	>6.0	---	---	---	---
2121:									
Tert----------	D	None	---	---	>6.0	---	---	---	---
Roic----------	D	None	---	---	>6.0	---	---	---	---
2130:									
Roic----------	D	None	---	---	>6.0	---	---	---	---
Koyen----------	B	None	---	---	>6.0	---	---	---	---
2131:									
Roic----------	D	None	---	---	>6.0	---	---	---	---
Vindicator------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
2140:									
Advokay---------	D	None	---	---	>6.0	---	---	---	---
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
Itme----------	A	Rare	---	---	>6.0	---	---	---	---
2141:									
Advokay---------	D	None	---	---	>6.0	---	---	---	---
Blacktop--------	D	None	---	---	>6.0	---	---	---	---
2150:									
Gynelle---------	A	Rare	---	---	>6.0	---	---	---	---
2170:									
Lathrop---------	B	None	---	---	>6.0	---	---	---	---
Leo----------	A	Rare	---	---	>6.0	---	---	---	---
2180:									
Armoine---------	D	None	---	---	>6.0	---	---	---	---
Beelem----------	D	None	---	---	>6.0	---	---	---	---
2181:									
Armoine---------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
2220:									
Enko----------	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2220 (con.):									
Orovada---------	B	None	---	---	>6.0	---	---	---	---
2230:									
Rotinom---------	B	Occasional	Brief	Nov-Apr	>6.0	---	---	---	---
Wholan----------	B	Occasional	---	Dec-Apr	>6.0	---	---	---	---
Wholan----------	B	Occasional	---	Dec-Apr	>6.0	---	---	---	---
2240:									
Unius----------	D	None	---	---	>6.0	---	---	---	---
Orovada---------	B	Rare	---	---	>6.0	---	---	---	---
2241:									
Unius----------	D	None	---	---	>6.0	---	---	---	---
Defler----------	B	Rare	---	---	>6.0	---	---	---	---
2250:									
Muni----------	D	None	---	---	>6.0	---	---	---	---
Orovada---------	B	Rare	---	---	>6.0	---	---	---	---
Unius----------	D	None	---	---	>6.0	---	---	---	---
2252:									
Muni----------	D	None	---	---	>6.0	---	---	---	---
Alley----------	B	None	---	---	>6.0	---	---	---	---
Rebel----------	B	Rare	---	---	>6.0	---	---	---	---
2271:									
Buffaran--------	D	None	---	---	>6.0	---	---	---	---
Wieland---------	C	None	---	---	>6.0	---	---	---	---
2272:									
Buffaran--------	D	None	---	---	>6.0	---	---	---	---
Pineval---------	B	None	---	---	>6.0	---	---	---	---
2290:									
Spasprey--------	C	None	---	---	>6.0	---	---	---	---
Alley----------	B	None	---	---	>6.0	---	---	---	---
2291:									
Spasprey--------	C	None	---	---	>6.0	---	---	---	---
Buffaran--------	D	None	---	---	>6.0	---	---	---	---
Orovada---------	B	Rare	---	---	>6.0	---	---	---	---
2300:									
Kelk----------	C	Rare	---	---	>6.0	---	---	---	---
Settlemeyer-----	B	Rare	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2320:									
Rosney----------	B	None	---	---	>6.0	---	---	---	---
Kelk----------	C	Rare	---	---	>6.0	---	---	---	---
Kelk----------	C	None	---	---	>6.0	---	---	---	---
2321:									
Rosney----------	B	None	---	---	>6.0	---	---	---	---
Dunphy----------	C	Rare	---	---	2.5-3.5	Apparent	Mar-Jun	---	---
Paranat---------	C	Occasional	Long	Dec-Jun	1.5-3.5	Apparent	Nov-Jul	---	---
2330:									
Cliffdown-------	B	Rare	---	---	>6.0	---	---	---	---
Lyx----------	B	Rare	---	---	>6.0	---	---	---	---
2340:									
Alley----------	B	None	---	---	>6.0	---	---	---	---
Portmount-------	B	None	---	---	>6.0	---	---	---	---
Rebel----------	B	Rare	---	---	>6.0	---	---	---	---
2341:									
Alley----------	B	None	---	---	>6.0	---	---	---	---
Wiffo----------	B	None	---	---	>6.0	---	---	---	---
Wrango----------	A	Rare	---	---	>6.0	---	---	---	---
2342:									
Alley----------	B	None	---	---	>6.0	---	---	---	---
Kelk----------	C	Rare	---	---	>6.0	---	---	---	---
2343:									
Alley----------	B	None	---	---	>6.0	---	---	---	---
Pineval---------	B	None	---	---	>6.0	---	---	---	---
Portmount-------	B	None	---	---	>6.0	---	---	---	---
2344:									
Alley----------	B	None	---	---	>6.0	---	---	---	---
Buffaran--------	D	None	---	---	>6.0	---	---	---	---
Spasprey--------	C	None	---	---	>6.0	---	---	---	---
2345:									
Alley----------	B	None	---	---	>6.0	---	---	---	---
Wieland---------	C	None	---	---	>6.0	---	---	---	---
Pineval---------	B	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydro-logic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2360:									
Dewar----------	D	None	---	---	>6.0	---	---	---	---
Alley----------	B	None	---	---	>6.0	---	---	---	---
2361:									
Dewar----------	D	None	---	---	>6.0	---	---	---	---
Shabliss--------	D	None	---	---	>6.0	---	---	---	---
Alley----------	B	None	---	---	>6.0	---	---	---	---
2400:									
Zaidy----------	C	None	---	---	>6.0	---	---	---	---
Alley----------	B	None	---	---	>6.0	---	---	---	---
Portmount-------	B	None	---	---	>6.0	---	---	---	---
2401:									
Zaidy----------	C	None	---	---	>6.0	---	---	---	---
Ricert----------	B	None	---	---	>6.0	---	---	---	---
Alley----------	B	None	---	---	>6.0	---	---	---	---
2410:									
Settlemeyer-----	C	Rare	---	---	2.0-3.5	Apparent	Jan-Apr	---	---
2430:									
Rose Creek------	B	Rare	---	---	4.0-6.0	Apparent	Feb-Jul	---	---
2431:									
Rose Creek------	C	Frequent	Long	Feb-Jun	1.5-3.0	Apparent	Dec-Jul	---	---
2440:									
Paranat---------	C	Occasional	Long	Dec-Jun	1.5-3.5	Apparent	Nov-Jul	---	---

TABLE 19.--SOIL FEATURES

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1000:									
Stumble---------	>60	---	---	---	---	---	Low	High	Low
1001:									
Stumble---------	>60	---	---	---	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low
1004:									
Stumble---------	>60	---	---	---	---	---	Low	High	Low
Eastgate--------	>60	---	---	---	---	---	Low	High	Low
1005:									
Stumble---------	>60	---	---	---	---	---	Low	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Eastgate--------	>60	---	---	---	---	---	Low	High	Low
1021:									
Easychair-------	>60	---	---	---	---	---	Low	High	Low
Penoyer---------	>60	---	---	---	---	---	Moderate	High	Low
1031:									
Eastgate--------	>60	---	---	---	---	---	Low	High	Low
1035:									
Eastgate--------	>60	---	---	---	---	---	Low	High	Low
Lyx----------	>60	---	---	---	---	---	Low	High	Low
Stumble---------	>60	---	---	---	---	---	Low	High	Low
1039:									
Eastgate--------	>60	---	---	---	---	---	Low	High	Low
Lyx----------	>60	---	---	---	---	---	Low	High	Low
1050:									
Schwalbe--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Bellehelen------	7-14	Hard	---	---	---	---	Moderate	Moderate	Low
1060:									
Celeton---------	4-14	Soft	---	---	---	---	Low	High	Low
Celeton---------	4-14	Soft	---	---	---	---	Low	High	Low
Badland---------	0-3	Soft	---	---	---	---	None	---	---
1061:									
Celeton---------	4-14	Soft	---	---	---	---	Low	High	Low
Vigus----------	>60	---	---	---	---	---	Low	High	Low
Whirlo----------	>60	---	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1071:									
Singatse--------	4-10	Hard	---	---	---	---	Low	High	Low
Theon----------	8-14	Hard	---	---	---	---	Low	High	Low
Rock Outcrop.									
1076:									
Singatse--------	4-10	Hard	---	---	---	---	Low	High	Low
Hawsley---------	>60	---	---	---	---	---	Low	High	Low
1090:									
Univega---------	>60	---	8-20	Thick	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low
Watoopah--------	>60	---	---	---	---	---	Moderate	High	Low
1092:									
Univega---------	>60	---	8-20	Thick	---	---	Low	High	Low
1093:									
Univega---------	>60	---	8-20	Thick	---	---	Low	High	Low
Jevets----------	>60	---	20-40	Thick	---	---	Low	High	Low
Univega---------	>60	---	8-20	Thick	---	---	Low	High	Low
1100:									
Gabbvally-------	6-14	Hard	---	---	---	---	Moderate	Moderate	Low
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
1130:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
1131:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Geer----------	>60	---	---	---	---	---	Low	High	Low
1132:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Hollywell-------	>60	---	---	---	---	---	Low	High	Low
Roic----------	4-14	Soft	---	---	---	---	Low	High	High
1133:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Geer----------	>60	---	---	---	---	---	Low	High	Low
1134:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Hollywell-------	>60	---	---	---	---	---	Low	High	Low
Lyx----------	>60	---	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1135:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Watoopah--------	>60	---	---	---	---	---	Moderate	High	Low
1136:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Eastgate--------	>60	---	---	---	---	---	Low	High	Low
Stumble---------	>60	---	---	---	---	---	Low	High	Low
1137:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low
1138:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
1141:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Wardenot--------	>60	---	---	---	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
1142:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Annaw----------	>60	---	---	---	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
1145:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Annaw----------	>60	---	---	---	---	---	Low	High	Low
1146:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Silverbow-------	>60	---	8-14	Thick	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
1147:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Hollywell-------	>60	---	---	---	---	---	Low	High	Low
Hollywell-------	>60	---	---	---	---	---	Low	High	Low
1148:									
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Ricert----------	>60	---	---	---	---	---	Low	High	High
Zaidy----------	>60	---	20-30	Thick	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1150:									
Nuyobe----------	>60	---	---	---	---	---	High	High	High
1162:									
Jung----------	14-20	Hard	---	---	---	---	Low	High	Low
Clanalpine------	20-40	Soft	---	---	---	---	Moderate	Moderate	Low
Colbar----------	20-40	Hard	---	---	---	---	Moderate	High	Low
1163:									
Jung----------	14-20	Hard	---	---	---	---	Low	High	Low
Hooplite--------	6-14	Hard	---	---	---	---	Moderate	High	Low
1190:									
Penoyer---------	>60	---	---	---	---	---	Moderate	High	Low
Geer----------	>60	---	---	---	---	---	Low	High	Low
1191:									
Penoyer---------	>60	---	---	---	---	---	Moderate	High	Low
Sevenmile-------	>60	---	---	---	---	---	Moderate	High	Low
1220:									
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Beelem----------	4-9	Hard	---	---	---	---	Moderate	High	Low
1221:									
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low
Rock Outcrop.									
1222:									
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low
Gabbvally-------	6-14	Hard	---	---	---	---	Moderate	Moderate	Low
1223:									
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
1226:									
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Bellehelen------	7-14	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
1227:									
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1227 (con.):									
Rock Outcrop.									
1229:									
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Advokay---------	4-14	Soft	---	---	---	---	Low	High	Low
Itme----------	>60	---	---	---	---	---	Low	High	Low
1230:									
Geer----------	>60	---	---	---	---	---	Low	High	Low
Eastgate--------	>60	---	---	---	---	---	Low	High	Low
1231:									
Geer----------	>60	---	---	---	---	---	Low	High	Low
1233:									
Geer----------	>60	---	---	---	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low
1242:									
Stargo----------	>60	---	---	---	---	---	Low	High	Low
Playas----------	>60	---	---	---	---	---	None	High	High
1243:									
Stargo----------	>60	---	---	---	---	---	Low	High	Low
Playas----------	>60	---	---	---	---	---	None	High	High
Slaw----------	>60	---	---	---	---	---	Moderate	High	High
1252:									
Wardenot--------	>60	---	---	---	---	---	Low	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Yomba----------	>60	---	---	---	---	---	Low	High	Low
1262:									
Berzatic--------	8-20	Hard	---	---	---	---	Low	High	Low
Kyler----------	6-14	Hard	---	---	---	---	Moderate	High	Low
Rock Outcrop.									
1263:									
Berzatic--------	8-20	Hard	---	---	---	---	Low	High	Low
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low
Pintwater-------	10-20	Hard	---	---	---	---	Low	High	Low
1290:									
Oricto----------	>60	---	---	---	---	---	Low	High	High
Gynelle---------	>60	---	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1291:									
Oricto----------	>60	---	---	---	---	---	Low	High	High
Izo----------	>60	---	---	---	---	---	Low	High	Low
1292:									
Oricto----------	>60	---	---	---	---	---	Low	High	High
Luning----------	>60	---	---	---	---	---	Low	High	Low
1293:									
Oricto----------	>60	---	---	---	---	---	Low	High	High
Terlco----------	>60	---	---	---	---	---	Low	High	Moderate
Roic----------	4-14	Soft	---	---	---	---	Low	High	High
1302:									
Ricert----------	>60	---	---	---	---	---	Low	High	High
Celeton---------	4-14	Soft	---	---	---	---	Low	High	Low
1303:									
Ricert----------	>60	---	---	---	---	---	Low	High	High
Luning----------	>60	---	---	---	---	---	Low	High	Low
1304:									
Ricert----------	>60	---	---	---	---	---	Low	High	High
Ricert----------	>60	---	---	---	---	---	Low	High	High
Cliffdown-------	>60	---	---	---	---	---	Low	High	High
1320:									
Terlco----------	>60	---	---	---	---	---	Low	High	Moderate
Terlco----------	>60	---	---	---	---	---	Low	High	Moderate
1321:									
Terlco----------	>60	---	---	---	---	---	Low	High	Moderate
Whirlo----------	>60	---	---	---	---	---	Low	High	Low
1323:									
Terlco----------	>60	---	---	---	---	---	Low	High	Moderate
Annaw----------	>60	---	---	---	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
1326:									
Terlco----------	>60	---	---	---	---	---	Low	High	Moderate
Lyda----------	>60	---	8-14	Thick	---	---	Low	High	Low
1330:									
Handpah---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1331:									
Handpah---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
1332:									
Handpah---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Chuckridge------	>60	---	7-14	Thick	---	---	Moderate	High	Low
1333:									
Handpah---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Watoopah--------	>60	---	---	---	---	---	Moderate	High	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
1334:									
Handpah---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Lyda----------	>60	---	8-14	Thick	---	---	Low	High	Low
1351:									
Chill----------	6-14	Soft	---	---	---	---	Moderate	Moderate	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
1360:									
Wabuska---------	>60	---	---	---	---	---	High	High	Low
Playas----------	>60	---	---	---	---	---	None	High	High
Isolde----------	>60	---	---	---	---	---	Low	High	Low
1390:									
Jevets----------	>60	---	20-40	Thick	---	---	Low	High	Low
Stumble---------	>60	---	---	---	---	---	Low	High	Low
Univega---------	>60	---	8-20	Thick	---	---	Low	High	Low
1410:									
Watoopah--------	>60	---	---	---	---	---	Moderate	High	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
1412:									
Watoopah--------	>60	---	---	---	---	---	Moderate	High	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
1420:									
Squawtip--------	20-40	Soft	---	---	---	---	Moderate	Moderate	Low
Bellehelen------	7-14	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1421:									
Squawtip--------	20-40	Soft	---	---	---	---	Moderate	Moderate	Low
Gabbvally-------	6-14	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
1430:									
Bellehelen------	7-14	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
1451:									
Grassval--------	>60	---	8-14	Thick	---	---	Moderate	High	Low
Zaidy----------	>60	---	20-30	Thick	---	---	Moderate	High	Low
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
1452:									
Grassval--------	>60	---	8-14	Thick	---	---	Moderate	High	Low
Dewar----------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
1453:									
Grassval--------	>60	---	8-14	Thick	---	---	Moderate	High	Low
Defler----------	>60	---	---	---	---	---	Low	High	Low
Ricert----------	>60	---	---	---	---	---	Low	High	High
1454:									
Grassval--------	>60	---	8-14	Thick	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
1460:									
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
Handpah---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
1461:									
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
Chuckridge------	>60	---	7-14	Thick	---	---	Moderate	High	Low
Watoopah--------	>60	---	---	---	---	---	Moderate	High	Low
1462:									
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
Chuckridge------	>60	---	7-14	Thick	---	---	Moderate	High	Low
1463:									
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1464:									
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
1465:									
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
1466:									
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
Barnmot---------	>60	---	---	---	---	---	Low	High	High
Unsel----------	>60	---	---	---	---	---	Low	High	Low
1470:									
Cirac----------	>60	---	---	---	---	---	Low	High	High
Wardenot--------	>60	---	---	---	---	---	Low	High	High
Slaw----------	>60	---	---	---	---	---	Low	High	High
1476:									
Cirac----------	>60	---	---	---	---	---	Low	High	High
Kawich----------	>60	---	---	---	---	---	Low	High	Low
1477:									
Cirac----------	>60	---	---	---	---	---	Low	High	High
Cirac----------	>60	---	---	---	---	---	Low	High	High
Stumble---------	>60	---	---	---	---	---	Low	High	Low
1481:									
Chuckridge------	>60	---	7-14	Thick	---	---	Moderate	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
1483:									
Chuckridge------	>60	---	7-14	Thick	---	---	Moderate	High	Low
1492:									
Slaw----------	>60	---	---	---	---	---	Moderate	High	High
Rustigate-------	>60	---	---	---	---	---	High	High	Low
1493:									
Slaw----------	>60	---	---	---	---	---	Moderate	High	High
Stargo----------	>60	---	---	---	---	---	Low	High	Low
Geer----------	>60	---	---	---	---	---	Low	High	Low
1494:									
Slaw----------	>60	---	---	---	---	---	Low	High	High

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1494 (con.):									
Slaw----------	>60	---	---	---	---	---	Moderate	High	High
Gitakup---------	>60	---	---	---	---	---	Low	High	Moderate
1495:									
Slaw----------	>60	---	---	---	---	---	Low	High	High
Cirac----------	>60	---	---	---	---	---	Low	High	High
Kawich----------	>60	---	---	---	---	---	Low	High	Low
1510:									
Isolde----------	>60	---	---	---	---	---	Low	High	Low
Hawsley---------	>60	---	---	---	---	---	Low	High	Low
1520:									
Rustigate-------	>60	---	---	---	---	---	High	High	Low
1530:									
Rebel----------	>60	---	---	---	---	---	Moderate	High	Low
1540:									
Packer----------	>60	---	---	---	---	---	Moderate	Moderate	Low
Suak----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Foxvire---------	>60	---	---	---	---	---	Moderate	Moderate	Low
1551:									
Sevenmile-------	>60	---	---	---	---	---	Moderate	High	Low
1552:									
Sevenmile-------	>60	---	---	---	---	---	Moderate	High	Low
Mosida----------	>60	---	---	---	---	---	Moderate	High	Moderate
Rebel----------	>60	---	---	---	---	---	Moderate	High	Low
1553:									
Sevenmile-------	>60	---	---	---	---	---	Moderate	High	Low
1580:									
Kyler----------	6-14	Hard	---	---	---	---	Moderate	High	Low
1620:									
Vinini----------	20-40	Hard	10-20	Thick	---	---	Moderate	High	Moderate
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Gabbvally-------	6-14	Hard	---	---	---	---	Moderate	Moderate	Low
1621:									
Vinini----------	20-40	Hard	10-20	Thick	---	---	Moderate	High	Moderate
Beelem----------	4-9	Hard	---	---	---	---	Moderate	High	Low
Gabbvally-------	6-14	Hard	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1631:									
Lyx----------	>60	---	---	---	---	---	Low	High	Low
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
1648:									
Armespan--------	>60	---	---	---	---	---	Moderate	High	Low
Whilphang-------	10-20	Soft	---	---	---	---	Moderate	High	Moderate
Wrango----------	>60	---	---	---	---	---	Low	High	Low
1660:									
Minnye----------	>60	---	---	---	---	---	Low	High	Low
Annaw----------	>60	---	---	---	---	---	Low	High	Low
Wardenot--------	>60	---	---	---	---	---	Low	High	Low
1661:									
Minnye----------	>60	---	---	---	---	---	Low	High	Low
Cliffdown-------	>60	---	---	---	---	---	Low	High	High
Lyx----------	>60	---	---	---	---	---	Low	High	Low
1670:									
Logring---------	7-14	Hard	---	---	---	---	Moderate	High	Low
Kyler----------	6-14	Hard	---	---	---	---	Moderate	High	Low
1680:									
Uripnes---------	4-14	Soft	---	---	---	---	Low	Moderate	Low
Rock Outcrop.									
1681:									
Uripnes---------	4-14	Soft	---	---	---	---	Low	Moderate	Low
Budihol---------	6-14	Soft	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
1691:									
Goldyke---------	2-10	Soft	---	---	---	---	Low	High	Low
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low
1704:									
Leo----------	>60	---	---	---	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
1705:									
Leo----------	>60	---	---	---	---	---	Low	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Lyx----------	>60	---	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1706:									
Leo----------	>60	---	---	---	---	---	Low	High	Low
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
1741:									
Keefa----------	>60	---	---	---	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low
1751:									
Koyen----------	>60	---	---	---	---	---	Low	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low
1753:									
Koyen----------	>60	---	---	---	---	---	Low	High	Low
Stumble---------	>60	---	---	---	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low
1760:									
Vindicator------	4-14	Soft	---	---	---	---	Low	High	Low
1790:									
Hooplite--------	6-14	Hard	---	---	---	---	Moderate	High	Low
Theon----------	8-14	Hard	---	---	---	---	Low	High	Low
Old Camp--------	10-20	Hard	---	---	---	---	Moderate	High	Low
1792:									
Hooplite--------	6-14	Hard	---	---	---	---	Moderate	High	Low
Rock Outcrop.									
1800:									
Lyda----------	>60	---	8-14	Thick	---	---	Low	High	Low
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
1801:									
Lyda----------	>60	---	8-14	Thick	---	---	Low	High	Low
Leo----------	>60	---	---	---	---	---	Low	High	Low
Zadvar----------	>60	---	10-14	Thin	---	---	Moderate	High	Low
1802:									
Lyda----------	>60	---	8-14	Thick	---	---	Low	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Koyen----------	>60	---	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1805:									
Lyda----------	>60	---	8-14	Thick	---	---	Low	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
1820:									
Izo----------	>60	---	---	---	---	---	Low	High	Low
1830:									
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low
Rock Outcrop.									
1833:									
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low
1834:									
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low
1835:									
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low
Goldyke---------	2-10	Soft	---	---	---	---	Low	High	Low
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low
1840:									
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
Cliffdown-------	>60	---	---	---	---	---	Low	High	High
1845:									
Veet----------	>60	---	---	---	---	---	Moderate	High	Low
Leo----------	>60	---	---	---	---	---	Low	High	Low
Minnye----------	>60	---	---	---	---	---	Low	High	Low
1851:									
Garhill---------	12-30	Hard	7-14	Thick	---	---	Low	High	Low
Tognoni---------	5-14	Hard	---	---	---	---	Low	High	Low
1860:									
Old Camp--------	10-20	Hard	---	---	---	---	Moderate	High	Low
Colbar----------	20-40	Hard	---	---	---	---	Moderate	High	Low
Rock Outcrop.									
1891:									
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1891 (con.):									
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low
Rock Outcrop.									
1900:									
Playas----------	>60	---	---	---	---	---	None	High	High
1901:									
Playas----------	>60	---	---	---	---	---	None	High	High
Slaw----------	>60	---	---	---	---	---	Moderate	High	High
1902:									
Slickens--------	>60	---	---	---	---	---	None	High	High
1910:									
Yomba----------	>60	---	---	---	---	---	Low	High	Low
1911:									
Yomba----------	>60	---	---	---	---	---	Low	High	Low
Playas----------	>60	---	---	---	---	---	None	High	High
Yomba----------	>60	---	---	---	---	---	Low	High	Low
1930:									
Stonell---------	>60	---	---	---	---	---	Low	High	Low
Wardenot--------	>60	---	---	---	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
1950:									
Pintwater-------	10-20	Hard	---	---	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
1951:									
Pintwater-------	10-20	Hard	---	---	---	---	Low	High	Low
Rock Outcrop.									
1953:									
Pintwater-------	10-20	Hard	---	---	---	---	Low	High	Low
Terlco----------	>60	---	---	---	---	---	Low	High	Moderate
1954:									
Pintwater-------	10-20	Hard	---	---	---	---	Low	High	Low
Wardenot--------	>60	---	---	---	---	---	Low	High	Low
Unsel----------	>60	---	---	---	---	---	Low	High	Low
1955:									
Pintwater-------	10-20	Hard	---	---	---	---	Low	High	Low
Stumble---------	>60	---	---	---	---	---	Low	High	Low
Downeyville-----	4-14	Hard	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1970:									
Linoyer---------	>60	---	---	---	---	---	Moderate	High	Low
Rebel----------	>60	---	---	---	---	---	Moderate	High	Low
1990:									
Tognoni---------	5-14	Hard	---	---	---	---	Low	High	Low
Tognoni---------	5-14	Hard	---	---	---	---	Low	High	Low
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low
2040:									
Silverbow-------	>60	---	8-14	Thick	---	---	Low	High	Low
Rock Outcrop.									
2080:									
Maggie----------	20-36	Hard	10-18	Thick	---	---	Low	High	Low
Pintwater-------	10-20	Hard	---	---	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
2081:									
Maggie----------	20-36	Hard	10-18	Thick	---	---	Low	High	Low
Stewval---------	4-14	Hard	---	---	---	---	Moderate	Moderate	Low
Pintwater-------	10-20	Hard	---	---	---	---	Low	High	Low
2100:									
Blappert--------	6-14	Soft	---	---	---	---	Low	High	Low
Rock Outcrop.									
2110:									
Luning----------	>60	---	---	---	---	---	Low	High	Low
Hawsley---------	>60	---	---	---	---	---	Low	High	Low
Bluewing--------	>60	---	---	---	---	---	Low	High	Low
2111:									
Luning----------	>60	---	---	---	---	---	Low	High	Low
Izo----------	>60	---	---	---	---	---	Low	High	Low
2120:									
Tert----------	2-5	Soft	---	---	---	---	Moderate	High	Low
Whilphang-------	10-20	Soft	---	---	---	---	Moderate	High	Moderate
Geer----------	>60	---	---	---	---	---	Low	High	Low
2121:									
Tert----------	2-5	Soft	---	---	---	---	Moderate	High	Low
Roic----------	4-14	Soft	---	---	---	---	Low	High	High

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
2130:									
Roic----------	4-14	Soft	---	---	---	---	Low	High	High
Koyen----------	>60	---	---	---	---	---	Low	High	Low
2131:									
Roic----------	4-14	Soft	---	---	---	---	Low	High	High
Vindicator------	4-14	Soft	---	---	---	---	Low	High	Low
Rock Outcrop.									
2140:									
Advokay---------	4-14	Soft	---	---	---	---	Low	High	Low
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low
Itme----------	>60	---	---	---	---	---	Low	High	Low
2141:									
Advokay---------	4-14	Soft	---	---	---	---	Low	High	Low
Blacktop--------	4-10	Hard	---	---	---	---	Low	High	Low
2150:									
Gynelle---------	>60	---	---	---	---	---	Low	High	Low
2170:									
Lathrop---------	>60	---	---	---	---	---	Low	High	Low
Leo----------	>60	---	---	---	---	---	Low	High	Low
2180:									
Armoine---------	14-20	Soft	---	---	---	---	Moderate	High	Low
Beelem----------	4-9	Hard	---	---	---	---	Moderate	High	Low
2181:									
Armoine---------	14-20	Soft	---	---	---	---	Moderate	High	Low
Rock Outcrop.									
2220:									
Enko----------	>60	---	---	---	---	---	Moderate	High	Low
Orovada---------	>60	---	---	---	---	---	Moderate	High	Moderate
2230:									
Rotinom---------	>60	---	---	---	---	---	Low	High	Low
Wholan----------	>60	---	---	---	---	---	Low	High	Low
Wholan----------	>60	---	---	---	---	---	Low	High	Low
2240:									
Unius----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
Orovada---------	>60	---	---	---	---	---	Moderate	High	Low
2241:									
Unius----------	>60	---	10-20	Thick	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
2241 (con.):									
Defler----------	>60	---	---	---	---	---	Low	High	Low
2250:									
Muni----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
Orovada---------	>60	---	---	---	---	---	Moderate	High	Low
Unius----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
2252:									
Muni----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
Rebel----------	>60	---	---	---	---	---	Moderate	High	Low
2271:									
Buffaran--------	>60	---	14-20	Thick	---	---	Low	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
2272:									
Buffaran--------	>60	---	14-20	Thick	---	---	Low	High	Low
Pineval---------	>60	---	---	---	---	---	Moderate	High	Low
2290:									
Spasprey--------	>60	---	20-30	Thin	---	---	Moderate	High	Low
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
2291:									
Spasprey--------	>60	---	20-30	Thin	---	---	Moderate	High	Low
Buffaran--------	>60	---	14-20	Thick	---	---	Low	High	Low
Orovada---------	>60	---	---	---	---	---	Moderate	High	Low
2300:									
Kelk----------	>60	---	---	---	---	---	Moderate	High	Low
Settlemeyer-----	>60	---	---	---	---	---	Moderate	High	Low
2320:									
Rosney----------	>60	---	---	---	---	---	Low	High	High
Kelk----------	>60	---	---	---	---	---	Moderate	High	Low
Kelk----------	>60	---	---	---	---	---	Moderate	High	Low
2321:									
Rosney----------	>60	---	---	---	---	---	Low	High	High
Dunphy----------	>60	---	---	---	---	---	High	High	High
Paranat---------	>60	---	---	---	---	---	High	High	Low
2330:									
Cliffdown-------	>60	---	---	---	---	---	Low	High	High

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
2330 (con.):									
Lyx----------	>60	---	---	---	---	---	Low	High	Low
2340:									
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
Portmount-------	>60	---	---	---	---	---	Moderate	High	Low
Rebel----------	>60	---	---	---	---	---	Moderate	High	Low
2341:									
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
Wiffo----------	>60	---	---	---	---	---	Moderate	High	Low
Wrango----------	>60	---	---	---	---	---	Low	High	Low
2342:									
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
Kelk----------	>60	---	---	---	---	---	Moderate	High	Low
2343:									
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
Pineval---------	>60	---	---	---	---	---	Moderate	High	Low
Portmount-------	>60	---	---	---	---	---	Moderate	High	Low
2344:									
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
Buffaran--------	>60	---	14-20	Thick	---	---	Low	High	Low
Spasprey--------	>60	---	20-30	Thin	---	---	Moderate	High	Low
2345:									
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
Pineval---------	>60	---	---	---	---	---	Moderate	High	Low
2360:									
Dewar----------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
2361:									
Dewar----------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Shabliss--------	>60	---	10-20	Thin	---	---	Moderate	High	Low
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
2400:									
Zaidy----------	>60	---	20-30	Thick	---	---	Moderate	High	Low
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
Portmount-------	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and Soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
2401:									
Zaidy----------	>60	---	20-30	Thick	---	---	Moderate	High	Low
Ricert----------	>60	---	---	---	---	---	Low	High	High
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
2410:									
Settlemeyer-----	>60	---	---	---	---	---	High	High	Low
2430:									
Rose Creek------	>60	---	---	---	---	---	High	High	Low
2431:									
Rose Creek------	>60	---	---	---	---	---	High	High	Low
2440:									
Paranat---------	>60	---	---	---	---	---	High	High	Low

TABLE 20.--CLASSIFICATION OF THE SOILS

Soil name	Family or higher taxonomic class
Advokay	Typic Haplargids, loamy, mixed, mesic, shallow
Alley	Durixerollic Haplargids, fine-loamy, mixed, mesic
Annaw	Typic Camborthids, sandy-skeletal, mixed, mesic
Armespan	Durixerollic Calciorthids, loamy-skeletal, mixed, mesic
Armoine	Xerollic Haplargids, loamy-skeletal, mixed, mesic, shallow
Barnmot	Typic Torriorthents, fine, montmorillonitic (calcareous), mesic
Beelem	Lithic Xeric Torriorthents, loamy, mixed (calcareous), mesic
Bellehelen	Lithic Argixerolls, loamy-skeletal, mixed, mesic
Berzatic	Lithic Torriorthents, loamy-skeletal, mixed (calcareous), mesic
Blacktop	Lithic Torriorthents, loamy-skeletal, mixed (calcareous), mesic
Blappert	Typic Haplargids, loamy-skeletal, mixed, mesic, shallow
Bluewing	Typic Torriorthents, sandy-skeletal, mixed, mesic
Budihol	Xeric Torriorthents, loamy, mixed, nonacid, mesic, shallow
Buffaran	Xeric Argidurids, clayey, montmorillonitic, mesic, shallow
Celeton	Typic Torriorthents, loamy, mixed (calcareous), mesic, shallow
Chill	Xerollic Haplargids, loamy, mixed, mesic, shallow
Chuckridge	Xerollic Durargids, loamy, mixed, mesic, shallow
Cirac	Typic Torrifluvents, coarse-loamy, mixed (calcareous), mesic
Clanalpine	Typic Argixerolls, loamy-skeletal, mixed, frigid
Cliffdown	Typic Torriorthents, loamy-skeletal, mixed (calcareous), mesic
Colbar	Xerollic Haplargids, fine-loamy, mixed, mesic
Defler	Typic Torriorthents, loamy-skeletal, mixed (calcareous), mesic
Dewar	Xerollic Durargids, loamy, mixed, mesic, shallow
Downeyville	Lithic Haplargids, loamy-skeletal, mixed, mesic
Dunphy	Aeric Halaquepts, coarse-loamy, mixed (calcareous), mesic
Eastgate	Typic Camborthids, sandy, mixed, mesic
Easychair	Typic Torriorthents, fine-silty, mixed (calcareous), mesic
Enko	Durixerollic Camborthids, coarse-loamy, mixed, mesic
Foxvire	Pachic Cryoborolls, coarse-loamy, mixed
Gabbvally	Lithic Xerollic Haplargids, loamy-skeletal, mixed, mesic
Garhill	Typic Durorthids, loamy, mixed, mesic, shallow
Geer	Typic Torriorthents, coarse-loamy, mixed (calcareous), mesic
Gitakup	Natric Camborthids, fine-silty, mixed, mesic
Goldyke	Typic Torriorthents, loamy, mixed (calcareous), mesic, shallow
Grassval	Xerollic Durargids, loamy, mixed, mesic, shallow
Gynelle	Typic Torriorthents, sandy-skeletal, mixed, mesic
Handpah	Xerollic Durargids, loamy, mixed, mesic, shallow
Hawsley	Typic Torripsamments, mixed, mesic
Hollywell	Typic Camborthids, loamy-skeletal, mixed, mesic

TABLE 20.--CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Hooplite	Lithic Xerollic Haplargids, loamy-skeletal, mixed, mesic
Isolde	Typic Torripsamments, mixed, mesic
Itme	Typic Torriorthents, sandy-skeletal, mixed, mesic
Izo	Typic Torriorthents, sandy-skeletal, mixed, mesic
Jevets	Typic Durorthids, sandy, mixed, mesic
Jung	Lithic Xerollic Haplargids, clayey-skeletal, montmorillonitic, mesic
Kawich	Typic Torripsamments, mixed, mesic
Keefa	Duric Camborthids, coarse-loamy, mixed, mesic
Kelk	Durixerollic Camborthids, fine-silty, mixed, mesic
Koyen	Typic Camborthids, coarse-loamy, mixed, mesic
Kyler	Lithic Xeric Torriorthents, loamy-skeletal, carbonatic, mesic
Lathrop	Durinodic Haplargids, fine-loamy over sandy or sandy-skeletal, mixed, mesic
Leo	Typic Torriorthents, sandy-skeletal, mixed, mesic
Linoyer	Xeric Torriorthents, coarse-silty, mixed (calcareous), mesic
Logring	Lithic Xeric Torriorthents, loamy-skeletal, carbonatic, mesic
Luning	Typic Torriorthents, sandy, mixed, mesic
Lyda	Typic Durargids, loamy-skeletal, mixed, mesic, shallow
Lyx	Typic Camborthids, sandy-skeletal, mixed, mesic
Maggie	Typic Durargids, loamy-skeletal, mixed, mesic, shallow
Minnye	Typic Haplargids, loamy-skeletal, mixed, mesic
Mosida	Xeric Torrifluvents, coarse-loamy, mixed, mesic
Muni	Haploxerollic Durargids, loamy, mixed, mesic, shallow
Nuyobe	Aeric Halaquepts, fine-silty, mixed (calcareous), mesic
Old Camp	Lithic Xeric Haplargids, loamy-skeletal, mixed, mesic
Oricto	Typic Haplargids, sandy-skeletal, mixed, mesic
Orovada	Durixerollic Camborthids, coarse-loamy, mixed, mesic
Packer	Argic Cryoborolls, loamy-skeletal, mixed
Paranat	Fluvaquentic Endoaquolls, fine-silty, mixed (calcareous), mesic
Penoyer	Typic Torriorthents, coarse-silty, mixed (calcareous), mesic
Pineval	Durixerollic Haplargids, loamy-skeletal, mixed, mesic
Pintwater	Lithic Torriorthents, loamy-skeletal, mixed (calcareous), mesic
Portmount	Xerollic Haplargids, coarse-loamy, mixed, mesic
Rebel	Xerollic Camborthids, coarse-loamy, mixed, mesic
Ricert	Duric Natrargids, fine-loamy, mixed, mesic
Roic	Typic Torriorthents, loamy, mixed (calcareous), mesic, shallow
Rose Creek	Fluvaquentic Endoaquolls, coarse-loamy, mixed (calcareous), mesic
Rosney	Typic Torriorthents, fine-silty, mixed (calcareous), mesic
Rotinom	Duridic Torrifluvents, fine-silty, mixed (calcareous), mesic
Rustigate	Oxyaquic Torriorthents, fine-loamy, mixed (calcareous), mesic

TABLE 20.--CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Schwalbe	Aridic Haploxerolls, loamy-skeletal, mixed, mesic
Settlemeyer	Fluvaquentic Endoaquolls, fine-loamy, mixed, mesic
Sevenmile	Aridic Haploxerolls, coarse-loamy, mixed, mesic
Shabliss	Haploxerollic Durorthids, loamy, mixed, mesic, shallow
Silverbow	Typic Durargids, loamy-skeletal, mixed, mesic, shallow
Singatse	Lithic Torriorthents, loamy-skeletal, mixed (calcareous), mesic
Slaw	Typic Torrifluvents, fine-silty, mixed (calcareous), mesic
Spasprey	Haploxerollic Durargids, fine-loamy, mixed, mesic
Squawtip	Typic Argixerolls, loamy-skeletal, mixed, frigid
Stargo	Duridic Torrifluvents, sandy, mixed, mesic
Stewval	Lithic Xerollic Haplargids, loamy-skeletal, mixed, mesic
Stonell	Typic Haplargids, loamy-skeletal, mixed, mesic
Stumble	Typic Torripsamments, mixed, mesic
Suak	Typic Argixerolls, loamy-skeletal, mixed, frigid
Terlco	Typic Natrargids, fine-loamy, mixed, mesic
Tert	Xeric Torriorthents, loamy, mixed (calcareous), mesic, shallow
Theon	Lithic Haplargids, loamy-skeletal, mixed, mesic
Tognoni	Lithic Haplargids, loamy-skeletal, mixed, mesic
Unius	Haploxerollic Durorthids, loamy, mixed, mesic, shallow
Univega	Typic Durorthids, loamy, mixed, mesic, shallow
Unsel	Duric Haplargids, fine-loamy, mixed, mesic
Uripnes	Typic Torriorthents, loamy-skeletal, mixed, nonacid, mesic, shallow
Veet	Xerollic Camborthids, loamy-skeletal, mixed, mesic
Vigus	Duric Haplargids, fine-loamy, mixed, mesic
Vindicator	Typic Haplargids, loamy-skeletal, mixed, mesic, shallow
Vinini	Xerollic Durargids, loamy-skeletal, mixed, mesic, shallow
Wabuska	Aeric Halaquepts, coarse-loamy, mixed (calcareous), mesic
Wardenot	Typic Torriorthents, sandy-skeletal, mixed, mesic
Watoopah	Durixerollic Haplargids, coarse-loamy, mixed, mesic
Whilphang	Xeric Torriorthents, loamy, mixed (calcareous), mesic, shallow
Whirlo	Typic Camborthids, loamy-skeletal, mixed, mesic
Wholan	Typic Camborthids, coarse-silty, mixed, mesic
Wieland	Durixerollic Haplargids, fine, montmorillonitic, mesic
Wiffo	Xeric Torriorthents, loamy-skeletal, mixed (calcareous), mesic
Wrango	Xeric Torriorthents, sandy-skeletal, mixed, mesic
Yomba	Duric Camborthids, sandy-skeletal, mixed, mesic
Zadvar	Haploxerollic Durargids, loamy, mixed, mesic, shallow
Zaidy	Haploxerollic Durargids, fine-loamy, mixed, mesic

APPENDIX

Rangeland Plants and Woodland Understory

1000--STUMBLE LOAMY SAND, 2 TO 8 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		STUMBLE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	50-70	25-35	20-30	5-10
galleta	HIJA	2-5	10-15	2-8	---
needleandthread	STCO4	2-5	---	---	---
sand dropseed	SPCR	5-15	---	2-8	---
globemallow	SPHAE	---	---	1-3	---
Anderson wolfberry	LYAN	---	2-5	---	---
Bailey greasewood	SAVEB	---	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	2-5
Nevada ephedra	EPNE	---	10-15	---	2-5
bud sagebrush	ARSP5	---	2-5	2-8	---
burrobrush	HYMEN3	---	---	---	5-10
fourwing saltbush	ATCA2	15-25	2-8	20-30	5-15
littleleaf horsebrush	TEGL	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	10-25
spiny hopsage	GRSP	---	15-30	2-5	---
winterfat	EULA5	2-8	2-5	10-20	---
Range site number		029XY012NV	029XY016NV	029XY046NV	029XY041NV
Potential production (lb/acre):					
Favorable years		700	1000	500	500
Normal years		500	700	400	300
Unfavorable years		300	500	300	100

1001--STUMBLE-KOYEN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		STUMBLE	KOYEN	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	50-70	20-30	20-35	5-10
desert needlegrass	STSP3	---	---	2-8	---
galleta	HIJA	2-5	2-8	---	---
needleandthread	STCO4	2-5	---	5-15	---
sand dropseed	SPCR	5-15	2-8	---	---
globemallow	SPHAE	---	1-3	---	---
Bailey greasewood	SAVEB	---	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	2-5
Nevada ephedra	EPNE	---	---	2-5	2-5
Wyoming big sagebrush	ARTRW*	---	---	25-35	---
bud sagebrush	ARSP5	---	2-8	---	---
burrobrush	HYMEN3	---	---	---	5-10
fourwing saltbush	ATCA2	15-25	20-30	2-5	5-15
littleleaf horsebrush	TEGL	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	10-25
spiny hopsage	GRSP	---	2-5	---	---
winterfat	EULA5	2-8	10-20	---	---
Range site number		029XY012NV	029XY046NV	029XY006NV	029XY041NV
Potential production (lb/acre):					
Favorable years		700	500	800	500
Normal years		500	400	600	300
Unfavorable years		300	300	300	100

1004--STUMBLE-EASTGATE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		STUMBLE	EASTGATE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	50-70	20-30	15-25	5-10	2-10
Sandberg bluegrass	POSE	---	---	---	---	2-10
galleta	HIJA	2-5	2-8	---	---	1-5
needleandthread	STCO4	2-5	---	15-25	---	---
sand dropseed	SPCR	5-15	2-8	---	---	---
thickspike wheatgrass	AGDA	---	---	5-15	---	---
globemallow	SPHAE	---	1-3	---	---	---
Bailey greasewood	SAVEB	---	---	---	2-10	---
Cooper wolfberry	LYCO2	---	---	---	2-5	---
Nevada ephedra	EPNE	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	15-25	---	25-35
bud sagebrush	ARSP5	---	2-8	---	---	---
burrobrush	HYMEN3	---	---	---	5-10	---
desert peachbrush	PRFA	---	---	---	---	10-20
fourwing saltbush	ATCA2	15-25	20-30	2-8	5-15	---
littleleaf horsebrush	TEGL	---	---	---	5-10	---
mountain big sagebrush	ARVA2	---	---	---	---	---
rabbitbrush	CHRYS9	---	---	2-5	---	---
rubber rabbitbrush	CHNA2	---	---	---	10-25	5-15
spiny hopsage	GRSP	---	2-5	---	---	---
winterfat	EULA5	2-8	10-20	2-5	---	---
Range site number		029XY012NV	029XY046NV	028BY005NV	029XY041NV	029XY009NV
Potential production (lb/acre):						
Favorable years		700	500	800	500	1000
Normal years		500	400	600	300	700
Unfavorable years		300	300	400	100	500

1005--STUMBLE-UNSEL-EASTGATE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		STUMBLE	UNSEL	EASTGATE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	50-70	25-35	20-30	25-35	20-30	5-10
bottlebrush squirreltail	SIHY	---	2-5	---	---	---	---
galleta	HIJA	2-5	2-8	2-8	10-15	---	---
needleandthread	STCO4	2-5	---	---	---	5-15	---
sand dropseed	SPCR	5-15	---	2-8	---	---	---
globemallow	SPHAE	---	---	1-3	---	---	---
Anderson wolfberry	LYAN	---	---	---	2-5	---	---
Bailey greasewood	SAVEB	---	---	---	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	---	---	2-5
Nevada dalea	PAPO	---	---	---	---	2-8	---
Nevada ephedra	EPNE	---	---	---	10-15	---	2-5
bud sagebrush	ARSP5	---	---	2-8	2-5	---	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	15-25	---	20-30	2-8	15-25	5-15
hairy horsebrush	TECO2	---	---	---	---	25-35	---
littleleaf horsebrush	TEGL	---	---	---	---	2-5	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
spiny hopsage	GRSP	---	---	2-5	15-30	---	---
winterfat	EULA5	2-8	---	10-20	2-5	---	---
Range site number		029XY012NV	029XY087NV	029XY046NV	029XY016NV	027XY023NV	029XY041NV
Potential production (lb/acre):							
Favorable years		700	500	500	1000	700	500
Normal years		500	350	400	700	500	300
Unfavorable years		300	200	300	500	300	100

1021--EASYCHAIR-PENOYER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		EASYCHAIR	PENOYER	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	1-5	5-15	40-50	20-30	---
basin wildrye	ELCI2	10-20	---	---	---	---
bottlebrush squirreltail	SIHY	2-5	5-10	2-5	---	---
galleta	HIJA	---	---	2-8	2-8	---
sand dropseed	SPCR	---	---	---	2-8	---
globemallow	SPHAE	---	---	1-3	1-3	---
bud sagebrush	ARSP5	2-5	2-8	5-15	2-8	---
fourwing saltbush	ATCA2	50-60	---	1-5	20-30	---
green molly kochia	KOAM	1-3	---	---	---	---
spiny hopsage	GRSP	---	---	---	2-5	---
winterfat	EULA5	2-5	60-70	25-30	10-20	---
Range site number		029XY048NV	029XY020NV	029XY042NV	029XY046NV	029XY114NV
Potential production (lb/acre):						
Favorable years		1000	500	700	500	1000
Normal years		800	350	500	400	800
Unfavorable years		400	200	350	300	600

1031--EASTGATE GRAVELLY SANDY LOAM, 0 TO 4 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		EASTGATE	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-30	---	10-25
galleta	HIJA	2-8	---	---
inland saltgrass	DISPS2	---	2-10	---
sand dropseed	SPCR	2-8	---	2-5
globemallow	SPHAE	1-3	---	---
Bailey greasewood	SAVEB	---	---	15-25
Cooper wolfberry	LYCO2	---	---	10-20
black greasewood	SAVE4	---	60-70	---
bud sagebrush	ARSP5	2-8	---	5-15
fourwing saltbush	ATCA2	20-30	---	---
seepweed	SUAED	---	2-8	---
shadscale	ATCO	---	2-10	20-30
spiny hopsage	GRSP	2-5	---	---
winterfat	EULA5	10-20	---	---
Range site number		029XY046NV	027XY025NV	027XY043NV
Potential production (lb/acre):				
Favorable years		500	500	350
Normal years		400	350	200
Unfavorable years		300	200	100

1035--EASTGATE-LYX-STUMBLE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		EASTGATE	LYX	STUMBLE	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-30	20-30	50-70	15-25	15-25
bottlebrush squirreltail	SIHY	---	---	---	2-5	2-5
galleta	HIJA	2-8	2-8	2-5	2-10	2-10
needleandthread	STCO4	---	---	2-5	---	---
sand dropseed	SPCR	2-8	2-8	5-15	---	---
globemallow	SPHAE	1-3	1-3	---	---	---
Bailey greasewood	SAVEB	---	---	---	0-10	0-10
Nevada ephedra	EPNE	---	---	---	1-5	1-5
bud sagebrush	ARSP5	2-8	2-8	---	5-15	5-15
fourwing saltbush	ATCA2	20-30	20-30	15-25	---	---
shadscale	ATCO	---	---	---	25-35	25-35
spiny hopsage	GRSP	2-5	2-5	---	---	---
winterfat	EULA5	10-20	10-20	2-8	5-10	5-10
Range site number		029XY046NV	029XY046NV	029XY012NV	029XY017NV	029XY017NV
Potential production (lb/acre):						
Favorable years		500	500	700	500	500
Normal years		400	400	500	350	350
Unfavorable years		300	300	300	150	150

1039--EASTGATE-LYX ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		EASTGATE	LYX	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-30	20-30	40-50	15-25
bottlebrush squirreltail	SIHY	---	---	2-5	---
galleta	HIJA	2-8	2-8	2-8	---
inland saltgrass	DISPS2	---	---	---	2-5
needleandthread	STCO4	---	---	---	5-10
sand dropseed	SPCR	2-8	2-8	---	2-10
globemallow	SPHAE	1-3	1-3	1-3	---
black greasewood	SAVE4	---	---	---	30-50
bud sagebrush	ARSP5	2-8	2-8	5-15	---
fourwing saltbush	ATCA2	20-30	20-30	1-5	5-15
shadscale	ATCO	---	---	---	2-8
spiny hopsage	GRSP	2-5	2-5	---	---
winterfat	EULA5	10-20	10-20	25-30	---
Range site number		029XY046NV	029XY046NV	029XY042NV	029XY018NV
Potential production (lb/acre):					
Favorable years		500	500	700	450
Normal years		400	400	500	300
Unfavorable years		300	300	350	100

1050--SCHWALBE-STEWVAL-BELLEHELEN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		SCHWALBE	STEWVAL	BELLEHELEN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-15	20-35	---	---	---	10-15
Sandberg bluegrass	POSE	---	2-5	---	---	---	2-5
Thurber needlegrass	STTH2	15-25	---	---	---	---	---
bottlebrush squirreltail	SIHY	---	---	1-5	---	---	---
desert needlegrass	STSP3	---	---	---	---	---	2-8
galleta	HIJA	---	2-8	---	---	---	2-8
muttongrass	POFE	2-8	---	1-5	---	---	---
needleandthread	STCO4	2-8	5-15	---	---	---	15-25
other bluegrass	POA++	---	---	1-5	---	---	---
Nevada ephedra	EPNE	---	2-5	---	---	---	---
Stansbury cliffrose	COMES	---	---	1-5	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	30-35
big sagebrush	ARTR2	20-35	---	---	---	---	---
black sagebrush	ARARN	---	25-35	1-5	---	---	---
ephedra	EPHED	---	---	---	---	---	2-8
fourwing saltbush	ATCA2	---	1-5	---	---	---	2-5
green ephedra	EPVI	---	---	1-5	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
winterfat	EULA5	---	1-5	---	---	---	---
singleleaf pinyon	PIMO	---	---	1-5	---	---	---
Range site number		029XY106NV	029XY008NV	029XY069NV	none	029XY103NV	029XY010NV
Potential production (lb/acre):							
Favorable years		700	700	400		250	500
Normal years		400	500	300		150	350
Unfavorable years		250	250	150		75	250

1060--CELETON-BADLAND ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		CELETON	CELETON	BADLAND	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	15-25	---	50-70	25-35	25-35
bottlebrush squirreltail	SIHY	---	---	---	---	2-5	2-5
desert needlegrass	STSP3	2-10	2-10	---	---	---	---
galleta	HIJA	---	---	---	---	2-8	2-8
needleandthread	STCO4	---	---	---	5-15	---	---
Nevada dalea	PSPO	---	---	---	0-5	---	---
Nevada ephedra	EPNE	2-5	2-5	---	---	---	---
bud sagebrush	ARSP5	2-8	2-8	---	---	---	---
fourwing saltbush	ATCA2	---	---	---	10-20	---	---
shadscale	ATCO	30-40	30-40	---	---	---	---
spiny hopsage	GRSP	---	---	---	2-5	---	---
winterfat	EULA5	2-8	2-8	---	2-8	---	---
Range site number		027XY027NV	027XY027NV	none	027XY009NV	029XY087NV	029XY087NV
Potential production (lb/acre):							
Favorable years		200	200		700	500	500
Normal years		100	100		450	350	350
Unfavorable years		50	50		250	200	200

1061--CELETON-VIGUS-WHIRLO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		CELETON	VIGUS	WHIRLO	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	15-25	25-35	15-30	---	25-35
Sandberg bluegrass	POSE	---	---	2-15	---	---
bottlebrush squirreltail	SIHY	---	2-5	2-8	---	2-5
desert needlegrass	STSP3	2-10	---	---	---	---
galleta	HIJA	---	2-8	---	---	2-8
Nevada ephedra	EPNE	2-5	---	---	---	---
bud sagebrush	ARSP5	2-8	---	15-25	---	---
shadscale	ATCO	30-40	---	20-35	---	---
winterfat	EULA5	2-8	---	5-10	---	---
Range site number		027XY027NV	029XY087NV	027XY013NV	none	029XY087NV
Potential production (lb/acre):						
Favorable years		200	500	600		500
Normal years		100	350	450		350
Unfavorable years		50	200	250		200

1071--SINGATSE-THEON-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		SINGATSE	THEON	ROCK OUTCROP	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	15-25	5-15	---	10-15	5-10
bottlebrush squirreltail	SIHY	---	2-5	---	---	2-5
desert needlegrass	STSP3	2-10	2-8	---	---	2-8
galleta	HIJA	---	---	---	2-8	5-15
Bailey greasewood	SAVEB	---	15-30	---	5-15	5-15
Nevada ephedra	EPNE	2-5	---	---	2-8	2-5
bud sagebrush	ARSP5	2-8	2-8	---	2-5	5-10
shadscale	ATCO	30-40	15-35	---	5-15	25-35
spiny menodora	MESP2	---	---	---	35-45	---
winterfat	EULA5	2-8	---	---	---	5-10
Range site number		027XY027NV	027XY019NV	none	029XY036NV	029XY022NV
Potential production (lb/acre):						
Favorable years		200	300		400	400
Normal years		100	175		300	250
Unfavorable years		50	50		100	100

1076--SINGATSE-HAWSLEY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		SINGATSE	HAWSLEY	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	15-25	50-70	---	20-30
desert needlegrass	STSP3	2-10	---	---	---
needleandthread	STCO4	---	5-15	---	5-15
Nevada dalea	PSPO	---	0-5	---	---
Nevada dalea	PAPO	---	---	---	2-8
Nevada ephedra	EPNE	2-5	---	---	---
bud sagebrush	ARSP5	2-8	---	---	---
fourwing saltbush	ATCA2	---	10-20	---	15-25
hairy horsebrush	TECO2	---	---	---	25-35
littleleaf horsebrush	TEGL	---	---	---	2-5
shadscale	ATCO	30-40	---	---	---
spiny hopsage	GRSP	---	2-5	---	---
winterfat	EULA5	2-8	2-8	---	---
Range site number		027XY027NV	027XY009NV	none	027XY023NV
Potential production (lb/acre):					
Favorable years		200	700		700
Normal years		100	450		500
Unfavorable years		50	250		300

1090--UNIVEGA-KOYEN-WATOOPAH ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNIVEGA	KOYEN	WATOOPAH	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	20-30	10-25	15-25	50-70	20-35
Sandberg bluegrass	POSE	---	---	---	---	---	2-5
bottlebrush squirreltail	SIHY	---	---	---	2-5	---	---
desert needlegrass	STSP3	---	---	10-20	---	---	---
galleta	HIJA	2-8	2-8	2-8	2-10	2-5	2-8
needleandthread	STCO4	---	---	2-8	---	2-5	5-15
sand dropseed	SPCR	2-8	2-8	---	---	5-15	---
globemallow	SPHAE	1-3	1-3	1-4	---	---	---
Bailey greasewood	SAVEB	---	---	---	0-10	---	---
Nevada ephedra	EPNE	---	---	2-5	1-5	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	25-30	---	---	---
black sagebrush	ARARN	---	---	---	---	---	25-35
bud sagebrush	ARSP5	2-8	2-8	2-5	5-15	---	---
fourwing saltbush	ATCA2	20-30	20-30	2-5	---	15-25	1-5
shadscale	ATCO	---	---	---	25-35	---	---
spiny hopsage	GRSP	2-5	2-5	5-10	---	---	---
winterfat	EULA5	10-20	10-20	2-8	5-10	2-8	1-5
Range site number		029XY046NV	029XY046NV	029XY049NV	029XY017NV	029XY012NV	029XY008NV
Potential production (lb/acre):							
Favorable years		500	500	1100	500	700	700
Normal years		400	400	800	350	500	500
Unfavorable years		300	300	500	150	300	250

1092--UNIVEGA GRAVELLY FINE SAND 2 TO 8 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		UNIVEGA	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	20-30	50-70	2-10
Sandberg bluegrass	POSE	---	---	---	2-10
galleta	HIJA	2-8	2-8	2-5	1-5
needleandthread	STCO4	---	---	2-5	---
sand dropseed	SPCR	2-8	2-8	5-15	---
globemallow	SPHAE	1-3	1-3	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---
big sagebrush	ARTR2	---	---	---	25-35
bud sagebrush	ARSP5	2-8	2-8	---	---
desert peachbrush	PRFA	---	---	---	10-20
fourwing saltbush	ATCA2	20-30	20-30	15-25	---
mountain big sagebrush	ARVA2	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	5-15
spiny hopsage	GRSP	2-5	2-5	---	---
winterfat	EULA5	10-20	10-20	2-8	---
Range site number		029XY046NV	029XY046NV	029XY012NV	029XY009NV
Potential production (lb/acre):					
Favorable years		500	500	700	1000
Normal years		400	400	500	700
Unfavorable years		300	300	300	500

1093--UNIVEGA-JEVETS ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNIVEGA	JEVETS	UNIVEGA	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	25-35	50-70	20-30	50-70	20-30	5-10
galleta	HIJA	10-15	2-5	2-8	2-5	2-8	---
needleandthread	STCO4	---	2-5	---	2-5	---	---
sand dropseed	SPCR	---	5-15	2-8	5-15	2-8	---
globemallow	SPHAE	---	---	1-3	---	1-3	---
Anderson wolfberry	LYAN	2-5	---	---	---	---	---
Bailey greasewood	SAVEB	---	---	---	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	---	---	2-5
Nevada ephedra	EPNE	10-15	---	---	---	---	2-5
bud sagebrush	ARSP5	2-5	---	2-8	---	2-8	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	2-8	15-25	20-30	15-25	20-30	5-15
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
spiny hopsage	GRSP	15-30	---	2-5	---	2-5	---
winterfat	EULA5	2-5	2-8	10-20	2-8	10-20	---
Range site number		029XY016NV	029XY012NV	029XY046NV	029XY012NV	029XY046NV	029XY041NV
Potential production (lb/acre):							
Favorable years		1000	700	500	700	500	500
Normal years		700	500	400	500	400	300
Unfavorable years		500	300	300	300	300	100

1100--GABBVALLY-STEWVAL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		GABBVALLY	STEWVAL	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-15	20-35	---	10-20	2-10
Sandberg bluegrass	POSE	2-5	2-5	---	---	2-10
desert needlegrass	STSP3	2-8	---	---	2-10	---
galleta	HIJA	2-8	2-8	---	---	1-5
needleandthread	STCO4	15-25	5-15	---	2-10	---
Nevada ephedra	EPNE	---	2-5	---	2-8	---
Stansbury cliffrose	COMES	---	---	---	5-10	---
Wyoming big sagebrush	ARTRW*	30-35	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	25-35
black sagebrush	ARARN	---	25-35	---	20-30	---
desert peachbrush	PRFA	---	---	---	---	10-20
ephedra	EPHED	2-8	---	---	---	---
fourwing saltbush	ATCA2	2-5	1-5	---	---	---
green ephedra	EPVI	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	5-15
winterfat	EULA5	---	1-5	---	---	---
Range site number		029XY010NV	029XY008NV	none	029XY081NV	029XY009NV
Potential production (lb/acre):						
Favorable years		500	700		500	1000
Normal years		350	500		350	700
Unfavorable years		250	250		200	500

1130--UNSEL GRAVELLY SANDY LOAM, 2 TO 8 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		UNSEL	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	20-30	5-10	20-30
bottlebrush squirreltail	SIHY	2-5	---	---	---
galleta	HIJA	2-10	2-8	---	2-8
sand dropseed	SPCR	---	2-8	---	2-8
globemallow	SPHAE	---	1-3	---	1-3
Bailey greasewood	SAVEB	0-10	---	2-10	---
Cooper wolfberry	LYCO2	---	---	2-5	---
Nevada ephedra	EPNE	1-5	---	2-5	---
bud sagebrush	ARSP5	5-15	2-8	---	2-8
burrobrush	HYMEN3	---	---	5-10	---
fourwing saltbush	ATCA2	---	20-30	5-15	20-30
littleleaf horsebrush	TEGL	---	---	5-10	---
rubber rabbitbrush	CHNA2	---	---	10-25	---
shadscale	ATCO	25-35	---	---	---
spiny hopsage	GRSP	---	2-5	---	2-5
winterfat	EULA5	5-10	10-20	---	10-20
Range site number		029XY017NV	029XY046NV	029XY041NV	029XY046NV
Potential production (lb/acre):					
Favorable years		500	500	500	500
Normal years		350	400	300	400
Unfavorable years		150	300	100	300

1131--UNSEL-GEER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		UNSEL	GEER	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	40-50	20-30	20-35	15-25
bottlebrush squirreltail	SIHY	2-5	2-5	---	---	2-5
desert needlegrass	STSP3	---	---	---	2-8	---
galleta	HIJA	2-10	2-8	2-8	---	2-10
needleandthread	STCO4	---	---	---	5-15	---
sand dropseed	SPCR	---	---	2-8	---	---
globemallow	SPHAE	---	1-3	1-3	---	---
Bailey greasewood	SAVEB	0-10	---	---	---	0-10
Nevada ephedra	EPNE	1-5	---	---	2-5	1-5
Wyoming big sagebrush	ARTRW*	---	---	---	25-35	---
bud sagebrush	ARSP5	5-15	5-15	2-8	---	5-15
fourwing saltbush	ATCA2	---	1-5	20-30	2-5	---
shadscale	ATCO	25-35	---	---	---	25-35
spiny hopsage	GRSP	---	---	2-5	---	---
winterfat	EULA5	5-10	25-30	10-20	---	5-10
Range site number		029XY017NV	029XY042NV	029XY046NV	029XY006NV	029XY017NV
Potential production (lb/acre):						
Favorable years		500	700	500	800	500
Normal years		350	500	400	600	350
Unfavorable years		150	350	300	300	150

1132--UNSEL-HOLLYWELL-ROIC ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		UNSEL	HOLLYWELL	ROIC	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	25-35	25-35	5-10	25-35	2-5	5-10	20-35
Sandberg bluegrass	POSE	---	---	---	---	---	---	2-5
bottlebrush squirreltail	SIHY	2-5	2-5	2-5	2-5	---	---	---
desert needlegrass	STSP3	---	---	2-8	---	---	---	---
galleta	HIJA	2-8	2-8	5-15	2-8	---	---	2-8
needleandthread	STCO4	---	---	---	---	---	---	5-15
Bailey greasewood	SAVEB	---	---	5-15	---	5-15	2-10	---
Cooper wolfberry	LYCO2	---	---	---	---	1-5	2-5	---
Nevada dalea	DAPO2*	---	---	---	---	1-5	---	---
Nevada ephedra	EPNE	---	---	2-5	---	---	2-5	2-5
black sagebrush	ARARN	---	---	---	---	---	---	25-35
bud sagebrush	ARSP5	---	---	5-10	---	---	---	---
burrobrush	HYMEN3	---	---	---	---	---	5-10	---
fourwing saltbush	ATCA2	---	---	---	---	---	5-15	1-5
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25	---
shadscale	ATCO	---	---	25-35	---	50-70	---	---
winterfat	EULA5	---	---	5-10	---	---	---	1-5
Range site number		029XY087NV	029XY087NV	029XY022NV	029XY087NV	029XY033NV	029XY041NV	029XY008NV
Potential production (lb/acre):								
Favorable years		500	500	400	500	100	500	700
Normal years		350	350	250	350	50	300	500
Unfavorable years		200	200	100	200	25	100	250

1133--UNSEL, MOIST-GEER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNSEL	GEER	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	25-35	40-50	25-35	10-20	25-35	5-10
bottlebrush squirreltail	SIHY	2-5	2-5	2-5	---	---	---
galleta	HIJA	2-8	2-8	2-8	2-8	10-15	---
needleandthread	STCO4	---	---	---	5-15	---	---
globemallow	SPHAE	---	1-3	---	---	---	---
Anderson wolfberry	LYAN	---	---	---	---	2-5	---
Bailey greasewood	SAVEB	---	---	---	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	---	---	2-5
Nevada ephedra	EPNE	---	---	---	2-8	10-15	2-5
black sagebrush	ARARN	---	---	---	35-45	---	---
bud sagebrush	ARSP5	---	5-15	---	---	2-5	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	1-5	---	---	2-8	5-15
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
shadscale	ATCO	---	---	---	1-5	---	---
spiny hopsage	GRSP	---	---	---	---	15-30	---
winterfat	EULA5	---	25-30	---	---	2-5	---
Range site number		029XY087NV	029XY042NV	029XY087NV	029XY014NV	029XY016NV	029XY041NV
Potential production (lb/acre):							
Favorable years		500	700	500	350	1000	500
Normal years		350	500	350	200	700	300
Unfavorable years		200	350	200	75	500	100

1134--UNSEL-HOLLYWELL-LYX ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		UNSEL	HOLLYWELL	LYX	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	15-25	15-25	20-30	10-25	5-10	40-50	25-35
bottlebrush squirreltail	SIHY	2-5	2-5	---	---	---	2-5	2-5
desert needlegrass	STSP3	---	---	---	10-20	---	---	---
galleta	HIJA	2-10	2-10	2-8	2-8	---	2-8	2-8
needleandthread	STCO4	---	---	---	2-8	---	---	---
sand dropseed	SPCR	---	---	2-8	---	---	---	---
globemallow	SPHAE	---	---	1-3	1-4	---	1-3	---
Bailey greasewood	SAVEB	0-10	0-10	---	---	2-10	---	---
Cooper wolfberry	LYCO2	---	---	---	---	2-5	---	---
Nevada ephedra	EPNE	1-5	1-5	---	2-5	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	25-30	---	---	---
bud sagebrush	ARSP5	5-15	5-15	2-8	2-5	---	5-15	---
burrobrush	HYMEN3	---	---	---	---	5-10	---	---
fourwing saltbush	ATCA2	---	---	20-30	2-5	5-15	1-5	---
littleleaf horsebrush	TEGL	---	---	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	10-25	---	---
shadscale	ATCO	25-35	25-35	---	---	---	---	---
spiny hopsage	GRSP	---	---	2-5	5-10	---	---	---
winterfat	EULA5	5-10	5-10	10-20	2-8	---	25-30	---
Range site number		029XY017NV	029XY017NV	029XY046NV	029XY049NV	029XY041NV	029XY042NV	029XY087NV
Potential production (lb/acre):								
Favorable years		500	500	500	1100	500	700	500
Normal years		350	350	400	800	300	500	350
Unfavorable years		150	150	300	500	100	350	200

1135--UNSEL-WATOOPAH ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNSEL	WATOOPAH	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	15-25	10-25	20-35	20-30	15-25	10-25
Sandberg bluegrass	POSE	---	---	2-5	---	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	2-5	---
desert needlegrass	STSP3	---	10-20	---	---	---	10-20
galleta	HIJA	2-10	2-8	2-8	2-8	2-10	2-8
needleandthread	STCO4	---	2-8	5-15	---	---	2-8
sand dropseed	SPCR	---	---	---	2-8	---	---
globemallow	SPHAE	---	1-4	---	1-3	---	1-4
Bailey greasewood	SAVEB	0-10	---	---	---	0-10	---
Nevada ephedra	EPNE	1-5	2-5	2-5	---	1-5	2-5
Wyoming big sagebrush	ARTRW*	---	25-30	---	---	---	25-30
black sagebrush	ARARN	---	---	25-35	---	---	---
bud sagebrush	ARSP5	5-15	2-5	---	2-8	5-15	2-5
fourwing saltbush	ATCA2	---	2-5	1-5	20-30	---	2-5
shadscale	ATCO	25-35	---	---	---	25-35	---
spiny hopsage	GRSP	---	5-10	---	2-5	---	5-10
winterfat	EULA5	5-10	2-8	1-5	10-20	5-10	2-8
Range site number		029XY017NV	029XY049NV	029XY008NV	029XY046NV	029XY017NV	029XY049NV
Potential production (lb/acre):							
Favorable years		500	1100	700	500	500	1100
Normal years		350	800	500	400	350	800
Unfavorable years		150	500	250	300	150	500

1136--UNSEL-EASTGATE-STUMBLE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		UNSEL	EASTGATE	STUMBLE	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	15-25	20-30	50-70	50-70	15-25
bottlebrush squirreltail	SIHY	2-5	---	---	---	2-5
galleta	HIJA	2-10	2-8	2-5	2-5	2-10
needleandthread	STCO4	---	---	2-5	2-5	---
sand dropseed	SPCR	---	2-8	5-15	5-15	---
globemallow	SPHAE	---	1-3	---	---	---
Bailey greasewood	SAVEB	0-10	---	---	---	0-10
Nevada ephedra	EPNE	1-5	---	---	---	1-5
bud sagebrush	ARSP5	5-15	2-8	---	---	5-15
fourwing saltbush	ATCA2	---	20-30	15-25	15-25	---
shadscale	ATCO	25-35	---	---	---	25-35
spiny hopsage	GRSP	---	2-5	---	---	---
winterfat	EULA5	5-10	10-20	2-8	2-8	5-10
Range site number		029XY017NV	029XY046NV	029XY012NV	029XY012NV	029XY017NV
Potential production (lb/acre):						
Favorable years		500	500	700	700	500
Normal years		350	400	500	500	350
Unfavorable years		150	300	300	300	150

1137--UNSEL-KOYEN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNSEL	KOYEN	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	15-25	20-30	50-70	20-30	15-25	25-35
bottlebrush squirreltail	SIHY	2-5	---	---	---	2-5	---
galleta	HIJA	2-10	2-8	2-5	2-8	2-10	10-15
needleandthread	STCO4	---	---	2-5	---	---	---
sand dropseed	SPCR	---	2-8	5-15	2-8	---	---
globemallow	SPHAE	---	1-3	---	1-3	---	---
Anderson wolfberry	LYAN	---	---	---	---	---	2-5
Bailey greasewood	SAVEB	0-10	---	---	---	0-10	---
Nevada ephedra	EPNE	1-5	---	---	---	1-5	10-15
bud sagebrush	ARSP5	5-15	2-8	---	2-8	5-15	2-5
fourwing saltbush	ATCA2	---	20-30	15-25	20-30	---	2-8
shadscale	ATCO	25-35	---	---	---	25-35	---
spiny hopsage	GRSP	---	2-5	---	2-5	---	15-30
winterfat	EULA5	5-10	10-20	2-8	10-20	5-10	2-5
Range site number		029XY017NV	029XY046NV	029XY012NV	029XY046NV	029XY017NV	029XY016NV
Potential production (lb/acre):							
Favorable years		500	500	700	500	500	1000
Normal years		350	400	500	400	350	700
Unfavorable years		150	300	300	300	150	500

1138--UNSEL-ZADVAR ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		UNSEL	ZADVAR	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	20-35	20-35	25-35	25-35
Sandberg bluegrass	POSE	---	2-5	2-5	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	2-5	---
galleta	HIJA	2-10	2-8	2-8	2-8	10-15
needleandthread	STCO4	---	5-15	5-15	---	---
Anderson wolfberry	LYAN	---	---	---	---	2-5
Bailey greasewood	SAVEB	0-10	---	---	---	---
Nevada ephedra	EPNE	1-5	2-5	2-5	---	10-15
black sagebrush	ARARN	---	25-35	25-35	---	---
bud sagebrush	ARSP5	5-15	---	---	---	2-5
fourwing saltbush	ATCA2	---	1-5	1-5	---	2-8
shadscale	ATCO	25-35	---	---	---	---
spiny hopsage	GRSP	---	---	---	---	15-30
winterfat	EULA5	5-10	1-5	1-5	---	2-5
Range site number		029XY017NV	029XY008NV	029XY008NV	029XY087NV	029XY016NV
Potential production (lb/acre):						
Favorable years		500	700	700	500	1000
Normal years		350	500	500	350	700
Unfavorable years		150	250	250	200	500

1141--UNSEL-WARDENOT-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNSEL	WARDENOT	IZO	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	25-35	25-35	5-10	15-25	10-15	5-10
bottlebrush squirreltail	SIHY	2-5	2-5	---	2-5	---	2-5
desert needlegrass	STSP3	---	---	---	---	---	2-8
galleta	HIJA	2-8	2-8	---	2-10	2-8	5-15
Bailey greasewood	SAVEB	---	---	2-10	0-10	5-15	5-15
Cooper wolfberry	LYCO2	---	---	2-5	---	---	---
Nevada ephedra	EPNE	---	---	2-5	1-5	2-8	2-5
bud sagebrush	ARSP5	---	---	---	5-15	2-5	5-10
burrobrush	HYMEN3	---	---	5-10	---	---	---
fourwing saltbush	ATCA2	---	---	5-15	---	---	---
littleleaf horsebrush	TEGL	---	---	5-10	---	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	---	---	---
shadscale	ATCO	---	---	---	25-35	5-15	25-35
spiny menodora	MESP2	---	---	---	---	35-45	---
winterfat	EULA5	---	---	---	5-10	---	5-10
Range site number		029XY087NV	029XY087NV	029XY041NV	029XY017NV	029XY036NV	029XY022NV
Potential production (lb/acre):							
Favorable years		500	500	500	500	400	400
Normal years		350	350	300	350	300	250
Unfavorable years		200	200	100	150	100	100

1142--UNSEL-ANNAW-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		UNSEL	ANNAW	IZO	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	25-35	25-35	5-10	25-35	10-15
bottlebrush squirreltail	SIHY	2-5	2-5	---	2-5	---
galleta	HIJA	2-8	2-8	---	2-8	2-8
Bailey greasewood	SAVEB	---	---	2-10	---	5-15
Cooper wolfberry	LYCO2	---	---	2-5	---	---
Nevada ephedra	EPNE	---	---	2-5	---	2-8
bud sagebrush	ARSP5	---	---	---	---	2-5
burrobrush	HYMEN3	---	---	5-10	---	---
fourwing saltbush	ATCA2	---	---	5-15	---	---
littleleaf horsebrush	TEGL	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	---	---
shadscale	ATCO	---	---	---	---	5-15
spiny menodora	MESP2	---	---	---	---	35-45
Range site number		029XY087NV	029XY087NV	029XY041NV	029XY087NV	029XY036NV
Potential production (lb/acre):						
Favorable years		500	500	500	500	400
Normal years		350	350	300	350	300
Unfavorable years		200	200	100	200	100

1145--UNSEL-ANNAW ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNSEL	ANNAW	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	25-35	25-35	5-10	40-50	25-35	25-35
bottlebrush squirreltail	SIHY	2-5	2-5	---	2-5	---	2-5
galleta	HIJA	2-8	2-8	---	2-8	10-15	2-8
globemallow	SPHAE	---	---	---	1-3	---	---
Anderson wolfberry	LYAN	---	---	---	---	2-5	---
Bailey greasewood	SAVEB	---	---	2-10	---	---	---
Cooper wolfberry	LYCO2	---	---	2-5	---	---	---
Nevada ephedra	EPNE	---	---	2-5	---	10-15	---
bud sagebrush	ARSP5	---	---	---	5-15	2-5	---
burrobrush	HYMEN3	---	---	5-10	---	---	---
fourwing saltbush	ATCA2	---	---	5-15	1-5	2-8	---
littleleaf horsebrush	TEGL	---	---	5-10	---	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	---	---	---
spiny hopsage	GRSP	---	---	---	---	15-30	---
winterfat	EULA5	---	---	---	25-30	2-5	---
Range site number		029XY087NV	029XY087NV	029XY041NV	029XY042NV	029XY016NV	029XY087NV
Potential production (lb/acre):							
Favorable years		500	500	500	700	1000	500
Normal years		350	350	300	500	700	350
Unfavorable years		200	200	100	350	500	200

1146--UNSEL-SILVERBOW-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNSEL	SILVERBOW	IZO	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	25-35	25-35	5-10	5-10	50-70	2-5
bottlebrush squirreltail	SIHY	2-5	2-5	---	2-5	---	---
desert needlegrass	STSP3	---	---	---	2-8	---	---
galleta	HIJA	2-8	2-8	---	5-15	2-5	---
needleandthread	STCO4	---	---	---	---	2-5	---
sand dropseed	SPCR	---	---	---	---	5-15	---
Bailey greasewood	SAVEB	---	---	2-10	5-15	---	5-15
Cooper wolfberry	LYCO2	---	---	2-5	---	---	1-5
Nevada dalea	DAPO2*	---	---	---	---	---	1-5
Nevada ephedra	EPNE	---	---	2-5	2-5	---	---
bud sagebrush	ARSP5	---	---	---	5-10	---	---
burrobrush	HYMEN3	---	---	5-10	---	---	---
fourwing saltbush	ATCA2	---	---	5-15	---	15-25	---
littleleaf horsebrush	TEGL	---	---	5-10	---	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	---	---	---
shadscale	ATCO	---	---	---	25-35	---	50-70
winterfat	EULA5	---	---	---	5-10	2-8	---
Range site number		029XY087NV	029XY087NV	029XY041NV	029XY022NV	029XY012NV	029XY033NV
Potential production (lb/acre):							
Favorable years		500	500	500	400	700	100
Normal years		350	350	300	250	500	50
Unfavorable years		200	200	100	100	300	25

1147--UNSEL-HOLLYWELL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNSEL	HOLLYWELL	HOLLYWELL	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	25-35	15-25	5-10	25-35	15-25
bottlebrush squirreltail	SIHY	2-5	2-5	2-5	---	2-5	2-5
galleta	HIJA	2-10	2-8	2-10	---	2-8	2-10
Bailey greasewood	SAVEB	0-10	---	0-10	2-10	---	0-10
Cooper wolfberry	LYCO2	---	---	---	2-5	---	---
Nevada ephedra	EPNE	1-5	---	1-5	2-5	---	1-5
bud sagebrush	ARSP5	5-15	---	5-15	---	---	5-15
burrobrush	HYMEN3	---	---	---	5-10	---	---
fourwing saltbush	ATCA2	---	---	---	5-15	---	---
littleleaf horsebrush	TEGL	---	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	---	10-25	---	---
shadscale	ATCO	25-35	---	25-35	---	---	25-35
winterfat	EULA5	5-10	---	5-10	---	---	5-10
Range site number		029XY017NV	029XY087NV	029XY017NV	029XY041NV	029XY087NV	029XY017NV
Potential production (lb/acre):							
Favorable years		500	500	500	500	500	500
Normal years		350	350	350	300	350	350
Unfavorable years		150	200	150	100	200	150

1148--UNSEL-RICERT-ZAIDY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		UNSEL	RICERT	ZAIDY	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	25-35	10-20	20-35	10-20	40-50	25-35	10-25
Sandberg bluegrass	POSE	---	---	2-8	5-10	---	---	---
bottlebrush squirreltail	SIHY	2-5	5-15	2-5	2-8	2-5	---	---
desert needlegrass	STSP3	---	---	---	---	---	---	10-20
galleta	HIJA	2-8	---	---	---	2-8	10-15	2-8
needleandthread	STCO4	---	---	5-15	---	---	---	2-8
globemallow	SPHAE	---	---	---	---	1-3	---	1-4
Anderson wolfberry	LYAN	---	---	---	---	---	2-5	---
Bailey greasewood	SAVEB	---	---	---	20-30	---	---	---
Nevada ephedra	EPNE	---	---	---	---	---	10-15	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---	25-30
black sagebrush	ARARN	---	---	25-35	---	---	---	---
bud sagebrush	ARSP5	---	10-25	---	5-15	5-15	2-5	2-5
downy rabbitbrush	CHVIP4	---	---	2-5	---	---	---	---
fourwing saltbush	ATCA2	---	---	---	---	1-5	2-8	2-5
shadscale	ATCO	---	40-50	2-5	15-30	---	---	---
spiny hopsage	GRSP	---	---	---	---	---	15-30	5-10
winterfat	EULA5	---	---	---	---	25-30	2-5	2-8
Range site number		029XY087NV	028BY017NV	028BY011NV	027XY018NV	029XY042NV	029XY016NV	029XY049NV
Potential production (lb/acre):								
Favorable years		500	400	600	400	700	1000	1100
Normal years		350	300	450	250	500	700	800
Unfavorable years		200	200	250	100	350	500	500

1150--NUYOBE SILT LOAM, 0 TO 4 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		NUYOBE	Inclusion 1	Inclusion 2
Baltic rush	JUBA	5-15	---	1-5
Nevada bluegrass	PONE3	---	10-20	---
alkali cordgrass	SPGR	2-5	---	---
alkali sacaton	SPAI	25-40	---	20-40
basin wildrye	ELCI2	2-5	---	25-35
giantreed	ARDO4	2-5	---	---
inland saltgrass	DISPS2	10-15	---	2-10
meadow barley	HOBR2	---	5-10	---
rush	JUNCU	---	10-20	---
sedge	CAREX	---	20-35	---
alkali rabbitbrush	CHAL9	---	---	---
black greasewood	SAVE4	---	---	5-15
rabbitbrush	CHRYS9	---	---	1-5
threadleaf rubberrabbitbrush	CHNAC2	---	---	---
Range site number		029XY002NV	029XY001NV	029XY004NV
Potential production (lb/acre):				
Favorable years		3300	4000	1600
Normal years		2200	3000	1100
Unfavorable years		1000	1200	800

1162--JUNG-CLANALPINE-COLBAR ASSOCIATION

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		JUNG	CLANALPINE	COLBAR	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	X	---	---	---	---
Indian ricegrass	ORHY	5-15	X	5-15	5-15	---	---
Sandberg bluegrass	POSE	2-8	X	2-8	2-8	---	---
Thurber needlegrass	STTH2	30-40	X	25-35	25-35	---	5-15
basin wildrye	ELCI2	---	X	---	---	---	2-5
bluebunch wheatgrass	AGSP	---	X	---	---	---	40-60
bluegrass	POA++	---	---	---	---	---	2-8
bottlebrush squirreltail	SIHY	---	X	---	---	---	---
arrowleaf balsamroot	BASA3	---	X	---	---	---	2-5
tapertip hawksbeard	CRAC2	---	X	---	---	---	2-5
Nevada ephedra	EPNE	---	---	2-5	2-5	---	---
Wyoming big sagebrush	ARTRW	---	---	25-35	25-35	---	---
antelope bitterbrush	PUTR2	---	X	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	15-25
black sagebrush	ARARN	25-35	---	---	---	---	---
ephedra	EPHED	---	X	---	---	---	---
mountain big sagebrush	ARVA2	---	X	---	---	---	---
serviceberry	AMELA	---	X	---	---	---	---
spiny hopsage	GRSP	---	---	2-8	2-8	---	---
Utah juniper	JUOS	---	X	---	---	---	---
singleleaf pinyon	PIMO	---	X	---	---	---	---
Range site number		027XY032NV	028BY062NV	027XY007NV	027XY007NV	none	024XY028NV
Potential production (lb/acre):							
Favorable years		500	700	700	700		1000
Normal years		300	500	500	500		700
Unfavorable years		200	300	300	300		500

1163--JUNG-HOOPLITE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		JUNG	HOOPLITE	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	10-20	10-20	---	10-15
Sandberg bluegrass	POSE	2-5	2-5	---	2-5
bottlebrush squirreltail	SIHY	2-5	2-5	---	---
desert needlegrass	STSP3	---	---	---	2-8
galleta	HIJA	---	---	---	2-8
needleandthread	STCO4	10-20	10-20	---	15-25
Nevada ephedra	EPNE	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	30-35
black sagebrush	ARARN	35-45	35-45	---	---
ephedra	EPHED	---	---	---	2-8
fourwing saltbush	ATCA2	---	---	---	2-5
green ephedra	EPVI	---	---	---	---
shadscale	ATCO	2-5	2-5	---	---
Range site number		028BY016NV	028BY016NV	none	029XY010NV
Potential production (lb/acre):					
Favorable years		350	350		500
Normal years		225	225		350
Unfavorable years		100	100		250

1190--PENOYER-GEER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		PENOYER	GEER	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	5-15	40-50	2-10	---	1-5	2-10
Sandberg bluegrass	POSE	---	---	---	---	---	2-10
basin wildrye	ELCI2	---	---	---	---	10-20	---
bottlebrush squirreltail	SIHY	5-10	2-5	2-5	---	2-5	---
galleta	HIJA	---	2-8	---	---	---	1-5
globemallow	SPHAE	---	1-3	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
black greasewood	SAVE4	---	---	20-35	---	---	---
bud sagebrush	ARSP5	2-8	5-15	5-15	---	2-5	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
fourwing saltbush	ATCA2	---	1-5	2-5	---	50-60	---
green molly kochia	KOAM	---	---	---	---	1-3	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
shadscale	ATCO	---	---	30-50	---	---	---
winterfat	EULA5	60-70	25-30	---	---	2-5	---
Range site number		029XY020NV	029XY042NV	029XY024NV	029XY114NV	029XY048NV	029XY009NV
Potential production (lb/acre):							
Favorable years		500	700	700	1000	1000	1000
Normal years		350	500	500	800	800	700
Unfavorable years		200	350	300	600	400	500

1191--PENOYER-SEVENMILE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		PENOYER	SEVENMILE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-15	---	10-25	---	40-50
alkali sacaton	SPAI	---	---	---	1-5	---
basin wildrye	ELCI2	---	---	---	45-65	---
bottlebrush squirreltail	SIHY	5-10	---	---	---	2-5
creeping wildrye	ELTR3	---	---	---	5-15	---
desert needlegrass	STSP3	---	---	10-20	---	---
galleta	HIJA	---	---	2-8	---	2-8
needleandthread	STCO4	---	---	2-8	---	---
western wheatgrass	AGSM	---	---	---	5-15	---
globemallow	SPHAE	---	---	1-4	---	1-3
Nevada ephedra	EPNE	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	25-30	---	---
basin big sagebrush	ARTRT*	---	---	---	5-10	---
bud sagebrush	ARSP5	2-8	---	2-5	---	5-15
fourwing saltbush	ATCA2	---	---	2-5	---	1-5
spiny hopsage	GRSP	---	---	5-10	---	---
winterfat	EULA5	60-70	---	2-8	---	25-30
Range site number		029XY020NV	029XY114NV	029XY049NV	029XY003NV	029XY042NV
Potential production (lb/acre):						
Favorable years		500	1000	1100	3000	700
Normal years		350	800	800	2000	500
Unfavorable years		200	600	500	800	350

1220--STEWVAL-BEELEM ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		STEWVAL	BEELEM	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	10-20	20-35	10-25	---	10-15
Sandberg bluegrass	POSE	2-5	---	2-5	---	---	2-5
desert needlegrass	STSP3	---	2-10	---	10-20	---	2-8
galleta	HIJA	2-8	---	2-8	2-8	---	2-8
needleandthread	STCO4	5-15	2-10	5-15	2-8	---	15-25
globemallow	SPHAE	---	---	---	1-4	---	---
Nevada ephedra	EPNE	2-5	2-8	2-5	2-5	---	---
Stansbury cliffrose	COMES	---	5-10	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	25-30	---	30-35
black sagebrush	ARARN	25-35	20-30	25-35	---	---	---
bud sagebrush	ARSP5	---	---	---	2-5	---	---
ephedra	EPHED	---	---	---	---	---	2-8
fourwing saltbush	ATCA2	1-5	---	1-5	2-5	---	2-5
green ephedra	EPVI	---	---	---	---	---	---
spiny hopsage	GRSP	---	---	---	5-10	---	---
winterfat	EULA5	1-5	---	1-5	2-8	---	---
Range site number		029XY008NV	029XY081NV	029XY008NV	029XY049NV	none	029XY010NV
Potential production (lb/acre):							
Favorable years		700	500	700	1100		500
Normal years		500	350	500	800		350
Unfavorable years		250	200	250	500		250

1221--STEWVAL-BLACKTOP-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		STEWVAL	BLACKTOP	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	2-5	---	20-35	5-10	2-10
Sandberg bluegrass	POSE	2-5	---	---	2-5	---	2-10
bottlebrush squirreltail	SIHY	---	---	---	---	2-5	---
desert needlegrass	STSP3	---	---	---	---	2-8	---
galleta	HIJA	2-8	---	---	2-8	5-15	1-5
needleandthread	STCO4	5-15	---	---	5-15	---	---
Bailey greasewood	SAVEB	---	5-15	---	---	5-15	---
Cooper wolfberry	LYCO2	---	1-5	---	---	---	---
Nevada dalea	DAPO2*	---	1-5	---	---	---	---
Nevada ephedra	EPNE	2-5	---	---	2-5	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
black sagebrush	ARARN	25-35	---	---	25-35	---	---
bud sagebrush	ARSP5	---	---	---	---	5-10	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
fourwing saltbush	ATCA2	1-5	---	---	1-5	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
shadscale	ATCO	---	50-70	---	---	25-35	---
winterfat	EULA5	1-5	---	---	1-5	5-10	---
Range site number		029XY008NV	029XY033NV	none	029XY008NV	029XY022NV	029XY009NV
Potential production (lb/acre):							
Favorable years		700	100		700	400	1000
Normal years		500	50		500	250	700
Unfavorable years		250	25		250	100	500

1222--STEWVAL-DOWNEYVILLE-GABBVALLY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		STEWVAL	DOWNEYVILLE	GABBVALLY	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-35	2-5	10-15	---	5-10
Sandberg bluegrass	POSE	2-5	---	2-5	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	2-5
desert needlegrass	STSP3	---	5-10	2-8	---	2-8
galleta	HIJA	2-8	5-10	2-8	---	5-15
needleandthread	STCO4	5-15	2-8	15-25	---	---
Anderson wolfberry	LYAN	---	5-10	---	---	---
Bailey greasewood	SAVEB	---	5-10	---	---	5-15
Nevada ephedra	EPNE	2-5	2-8	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	30-35	---	---
black sagebrush	ARARN	25-35	---	---	---	---
bud sagebrush	ARSP5	---	2-5	---	---	5-10
ephedra	EPHED	---	---	2-8	---	---
fourwing saltbush	ATCA2	1-5	---	2-5	---	---
green ephedra	EPVI	---	---	---	---	---
shadscale	ATCO	---	2-5	---	---	25-35
spiny menodora	MESP2	---	25-35	---	---	---
winterfat	EULA5	1-5	2-5	---	---	5-10
Range site number		029XY008NV	029XY037NV	029XY010NV	none	029XY022NV
Potential production (lb/acre):						
Favorable years		700	300	500		400
Normal years		500	200	350		250
Unfavorable years		250	100	250		100

1223--STEWVAL-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		STEWVAL	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	---	5-10	10-15	---	2-10
Sandberg bluegrass	POSE	2-5	---	---	2-5	---	2-10
bottlebrush squirreltail	SIHY	---	---	2-5	---	1-5	---
desert needlegrass	STSP3	---	---	2-8	2-8	---	---
galleta	HIJA	2-8	---	5-15	2-8	---	1-5
muttongrass	POFE	---	---	---	---	1-5	---
needleandthread	STCO4	5-15	---	---	15-25	---	---
other bluegrass	POA++	---	---	---	---	1-5	---
Bailey greasewood	SAVEB	---	---	5-15	---	---	---
Nevada ephedra	EPNE	2-5	---	2-5	---	---	---
Stansbury cliffrose	COMES	---	---	---	---	1-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	30-35	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
black sagebrush	ARARN	25-35	---	---	---	1-5	---
bud sagebrush	ARSP5	---	---	5-10	---	---	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
ephedra	EPHED	---	---	---	2-8	---	---
fourwing saltbush	ATCA2	1-5	---	---	2-5	---	---
green ephedra	EPVI	---	---	---	---	1-5	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
shadscale	ATCO	---	---	25-35	---	---	---
winterfat	EULA5	1-5	---	5-10	---	---	---
singleleaf pinyon	PIMO	---	---	---	---	1-5	---
Range site number		029XY008NV	none	029XY022NV	029XY010NV	029XY069NV	029XY009NV
Potential production (lb/acre):							
Favorable years		700		400	500	400	1000
Normal years		500		250	350	300	700
Unfavorable years		250		100	250	150	500

1226--STEWVAL-BELLEHELEN-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		STEWVAL	BELLEHELEN	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Columbia needlegrass	STNE3	---	---	---	---	---	---
Indian ricegrass	ORHY	20-35	---	---	10-15	---	2-10
Letterman needlegrass	STLE4	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	---	---	2-5	---	2-10
basin wildrye	ELCI2	---	---	---	---	5-15	---
bottlebrush squirreltail	SIHY	---	1-5	---	---	---	---
desert needlegrass	STSP3	---	---	---	2-8	---	---
galleta	HIJA	2-8	---	---	2-8	---	1-5
muttongrass	POFE	---	1-5	---	---	---	---
needleandthread	STCO4	5-15	---	---	15-25	---	---
needlegrass	STIPA	---	---	---	---	5-10	---
other bluegrass	POA++	---	1-5	---	---	---	---
slender wheatgrass	AGTR	---	---	---	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---
western needlegrass	STOC2	---	---	---	---	---	---
western wheatgrass	AGSM	---	---	---	---	---	---
wheatgrass	AGROP2	---	---	---	---	5-15	---
Nevada ephedra	EPNE	2-5	---	---	---	---	---
Stansbury cliffrose	COMES	---	1-5	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	30-35	---	---
antelope bitterbrush	PUTR2	---	---	---	---	1-5	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
black sagebrush	ARARN	25-35	1-5	---	---	---	---
currant	RIBES	---	---	---	---	1-5	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
ephedra	EPHED	---	---	---	2-8	---	---
fourwing saltbush	ATCA2	1-5	---	---	2-5	---	---
green ephedra	EPVI	---	1-5	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	10-20	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
serviceberry	AMELA	---	---	---	---	1-5	---
snowberry	SYMPH	---	---	---	---	1-5	---
winterfat	EULA5	1-5	---	---	---	---	---
singleleaf pinyon	PIMO	---	1-5	---	---	---	---

Range site number	029XY008NV	029XY069NV	none	029XY010NV	029XY026NV	029XY009NV
Potential production (lb/acre):						
Favorable years	700	400		500	1500	1000
Normal years	500	300		350	1000	700
Unfavorable years	250	150		250	800	500

1227--STEWVAL-DOWNEYVILLE-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		STEWVAL	DOWNEYVILLE	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	5-10	---	2-5	2-10	10-15	5-10
Sandberg bluegrass	POSE	2-5	---	---	---	2-10	2-5	---
bottlebrush squirreltail	SIHY	---	2-5	---	---	---	---	---
desert needlegrass	STSP3	---	2-8	---	---	---	2-8	---
galleta	HIJA	2-8	5-15	---	---	1-5	2-8	---
needleandthread	STCO4	5-15	---	---	---	---	15-25	---
Bailey greasewood	SAVEB	---	5-15	---	5-15	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	1-5	---	---	2-5
Nevada dalea	DAPO2*	---	---	---	1-5	---	---	---
Nevada ephedra	EPNE	2-5	2-5	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	30-35	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	25-35	---	---
black sagebrush	ARARN	25-35	---	---	---	---	---	---
bud sagebrush	ARSP5	---	5-10	---	---	---	---	---
burrobrush	HYMEN3	---	---	---	---	---	---	5-10
desert peachbrush	PRFA	---	---	---	---	10-20	---	---
ephedra	EPHED	---	---	---	---	---	2-8	---
fourwing saltbush	ATCA2	1-5	---	---	---	---	2-5	5-15
green ephedra	EPVI	---	---	---	---	---	---	---
littleleaf horsebrush	TEGL	---	---	---	---	---	---	5-10
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	5-15	---	10-25
shadscale	ATCO	---	25-35	---	50-70	---	---	---
winterfat	EULA5	1-5	5-10	---	---	---	---	---
Range site number		029XY008NV	029XY022NV	none	029XY033NV	029XY009NV	029XY010NV	029XY041NV
Potential production (lb/acre):								
Favorable years		700	400		100	1000	500	500
Normal years		500	250		50	700	350	300
Unfavorable years		250	100		25	500	250	100

1229--STEWVAL-ADVOKAY-ITME ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		STEWVAL	ADVOKAY	ITME	Inclusion 1
Indian ricegrass	ORHY	20-35	15-25	15-25	2-10
Sandberg bluegrass	POSE	2-5	---	---	2-10
bottlebrush squirreltail	SIHY	---	2-5	2-5	---
galleta	HIJA	2-8	2-10	2-10	1-5
needleandthread	STCO4	5-15	---	---	---
Bailey greasewood	SAVEB	---	0-10	0-10	---
Nevada ephedra	EPNE	2-5	1-5	1-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---
big sagebrush	ARTR2	---	---	---	25-35
black sagebrush	ARARN	25-35	---	---	---
bud sagebrush	ARSP5	---	5-15	5-15	---
desert peachbrush	PRFA	---	---	---	10-20
fourwing saltbush	ATCA2	1-5	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	5-15
shadscale	ATCO	---	25-35	25-35	---
winterfat	EULA5	1-5	5-10	5-10	---
Range site number		029XY008NV	029XY017NV	029XY017NV	029XY009NV
Potential production (lb/acre):					
Favorable years		700	500	500	1000
Normal years		500	350	350	700
Unfavorable years		250	150	150	500

1230--GEER-EASTGATE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		GEER	EASTGATE	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	40-50	20-30	50-70	15-25
bottlebrush squirreltail	SIHY	2-5	---	---	2-5
galleta	HIJA	2-8	2-8	2-5	2-10
needleandthread	STCO4	---	---	2-5	---
sand dropseed	SPCR	---	2-8	5-15	---
globemallow	SPHAE	1-3	1-3	---	---
Bailey greasewood	SAVEB	---	---	---	0-10
Nevada ephedra	EPNE	---	---	---	1-5
bud sagebrush	ARSP5	5-15	2-8	---	5-15
fourwing saltbush	ATCA2	1-5	20-30	15-25	---
shadscale	ATCO	---	---	---	25-35
spiny hopsage	GRSP	---	2-5	---	---
winterfat	EULA5	25-30	10-20	2-8	5-10
Range site number		029XY042NV	029XY046NV	029XY012NV	029XY017NV
Potential production (lb/acre):					
Favorable years		700	500	700	500
Normal years		500	400	500	350
Unfavorable years		350	300	300	150

1231--GEER FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		GEER	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	40-50	20-30	5-15	15-25
bottlebrush squirreltail	SIHY	2-5	---	5-10	2-5
galleta	HIJA	2-8	2-8	---	2-10
sand dropseed	SPCR	---	2-8	---	---
globemallow	SPHAE	1-3	1-3	---	---
Bailey greasewood	SAVEB	---	---	---	0-10
Nevada ephedra	EPNE	---	---	---	1-5
bud sagebrush	ARSP5	5-15	2-8	2-8	5-15
fourwing saltbush	ATCA2	1-5	20-30	---	---
shadscale	ATCO	---	---	---	25-35
spiny hopsage	GRSP	---	2-5	---	---
winterfat	EULA5	25-30	10-20	60-70	5-10
Range site number		029XY042NV	029XY046NV	029XY020NV	029XY017NV
Potential production (lb/acre):					
Favorable years		700	500	500	500
Normal years		500	400	350	350
Unfavorable years		350	300	200	150

1233--GEER-KOYEN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		GEER	KOYEN	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	40-50	20-30	---	50-70	25-35	15-25
bottlebrush squirreltail	SIHY	2-5	---	---	---	---	2-5
galleta	HIJA	2-8	2-8	---	2-5	10-15	2-10
needleandthread	STCO4	---	---	---	2-5	---	---
sand dropseed	SPCR	---	2-8	---	5-15	---	---
globemallow	SPHAE	1-3	1-3	---	---	---	---
Anderson wolfberry	LYAN	---	---	---	---	2-5	---
Bailey greasewood	SAVEB	---	---	---	---	---	0-10
Nevada ephedra	EPNE	---	---	---	---	10-15	1-5
bud sagebrush	ARSP5	5-15	2-8	---	---	2-5	5-15
fourwing saltbush	ATCA2	1-5	20-30	---	15-25	2-8	---
shadscale	ATCO	---	---	---	---	---	25-35
spiny hopsage	GRSP	---	2-5	---	---	15-30	---
winterfat	EULA5	25-30	10-20	---	2-8	2-5	5-10
Range site number		029XY042NV	029XY046NV	none	029XY012NV	029XY016NV	029XY017NV
Potential production (lb/acre):							
Favorable years		700	500		700	1000	500
Normal years		500	400		500	700	350
Unfavorable years		350	300		300	500	150

1242--STARGO-PLAYAS COMPLEX, 0 TO 2 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		STARGO	PLAYAS	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	15-25	---	2-10	15-25	5-15	2-10
Sandberg bluegrass	POSE	---	---	---	---	---	2-10
bottlebrush squirreltail	SIHY	2-5	---	2-5	2-5	5-10	---
galleta	HIJA	2-10	---	---	2-10	---	1-5
Bailey greasewood	SAVEB	0-10	---	---	0-10	---	---
Nevada ephedra	EPNE	1-5	---	---	1-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
black greasewood	SAVE4	---	---	20-35	---	---	---
bud sagebrush	ARSP5	5-15	---	5-15	5-15	2-8	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
fourwing saltbush	ATCA2	---	---	2-5	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
shadscale	ATCO	25-35	---	30-50	25-35	---	---
winterfat	EULA5	5-10	---	---	5-10	60-70	---
Range site number		029XY017NV	none	029XY024NV	029XY017NV	029XY020NV	029XY009NV
Potential production (lb/acre):							
Favorable years		500		700	500	500	1000
Normal years		350		500	350	350	700
Unfavorable years		150		300	150	200	500

1243--STARGO-PLAYAS-SLAW ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		STARGO	PLAYAS	SLAW	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	15-25	---	2-10	20-30	2-10
Sandberg bluegrass	POSE	---	---	---	---	2-10
bottlebrush squirreltail	SIHY	2-5	---	2-5	---	---
galleta	HIJA	2-10	---	---	2-8	1-5
sand dropseed	SPCR	---	---	---	2-8	---
globemallow	SPHAE	---	---	---	1-3	---
Bailey greasewood	SAVEB	0-10	---	---	---	---
Nevada ephedra	EPNE	1-5	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	25-35
black greasewood	SAVE4	---	---	20-35	---	---
bud sagebrush	ARSP5	5-15	---	5-15	2-8	---
desert peachbrush	PRFA	---	---	---	---	10-20
fourwing saltbush	ATCA2	---	---	2-5	20-30	---
mountain big sagebrush	ARVA2	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	5-15
shadscale	ATCO	25-35	---	30-50	---	---
spiny hopsage	GRSP	---	---	---	2-5	---
winterfat	EULA5	5-10	---	---	10-20	---
Range site number		029XY017NV	none	029XY024NV	029XY046NV	029XY009NV
Potential production (lb/acre):						
Favorable years		500		700	500	1000
Normal years		350		500	400	700
Unfavorable years		150		300	300	500

1252--WARDENOT-UNSEL-YOMBA ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		WARDENOT	UNSEL	YOMBA	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	25-35	25-35	25-35	15-25	5-10
bottlebrush squirreltail	SIHY	2-5	2-5	2-5	2-5	---
galleta	HIJA	2-8	2-8	2-8	2-10	---
Bailey greasewood	SAVEB	---	---	---	0-10	2-10
Cooper wolfberry	LYCO2	---	---	---	---	2-5
Nevada ephedra	EPNE	---	---	---	1-5	2-5
bud sagebrush	ARSP5	---	---	---	5-15	---
burrobrush	HYMEN3	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	---	5-15
littleleaf horsebrush	TEGL	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	10-25
shadscale	ATCO	---	---	---	25-35	---
winterfat	EULA5	---	---	---	5-10	---
Range site number		029XY087NV	029XY087NV	029XY087NV	029XY017NV	029XY041NV
Potential production (lb/acre):						
Favorable years		500	500	500	500	500
Normal years		350	350	350	350	300
Unfavorable years		200	200	200	150	100

1262--BERZATIC-KYLER-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		BERZATIC	KYLER	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	2-5	10-20	---	20-30	5-15	15-25
Sandberg bluegrass	POSE	---	---	---	---	2-8	---
Thurber needlegrass	STTH2	---	---	---	---	25-35	---
basin wildrye	ELCI2	---	---	---	---	---	5-15
desert needlegrass	STSP3	5-10	---	---	---	---	---
galleta	HIJA	5-10	2-8	---	---	---	---
needleandthread	STCO4	2-8	5-15	---	5-15	---	---
Anderson wolfberry	LYAN	5-10	---	---	---	---	---
Bailey greasewood	SAVEB	5-10	---	---	---	---	---
Nevada dalea	PAPO	---	---	---	2-8	---	---
Nevada ephedra	EPNE	2-8	2-8	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	---	25-35	---
basin big sagebrush	ARTRT	---	---	---	---	---	20-30
black sagebrush	ARARN	---	35-45	---	---	---	---
bud sagebrush	ARSP5	2-5	---	---	---	---	---
fourwing saltbush	ATCA2	---	---	---	15-25	---	---
hairy horsebrush	TECO2	---	---	---	25-35	---	---
littleleaf horsebrush	TEGL	---	---	---	2-5	---	---
rabbitbrush	CHRYS9	---	---	---	---	---	2-5
shadscale	ATCO	2-5	1-5	---	---	---	---
spiny hopsage	GRSP	---	---	---	---	2-8	10-20
spiny menodora	MESP2	25-35	---	---	---	---	---
winterfat	EULA5	2-5	---	---	---	---	---
Range site number		029XY037NV	029XY014NV	none	027XY023NV	027XY007NV	027XY029NV
Potential production (lb/acre):							
Favorable years		300	350		700	700	800
Normal years		200	200		500	500	500
Unfavorable years		100	75		300	300	300

1263--BERZATIC-DOWNEYVILLE-PINTWATER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		BERZATIC	DOWNEYVILLE	PINTWATER	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	5-10	5-10	---	20-35	2-5
Sandberg bluegrass	POSE	---	---	---	---	2-5	---
bottlebrush squirreltail	SIHY	2-5	2-5	2-5	---	---	---
desert needlegrass	STSP3	2-8	2-8	2-8	---	---	5-10
galleta	HIJA	5-15	5-15	5-15	---	2-8	5-10
needleandthread	STCO4	---	---	---	---	5-15	2-8
Anderson wolfberry	LYAN	---	---	---	---	---	5-10
Bailey greasewood	SAVEB	5-15	5-15	5-15	---	---	5-10
Nevada ephedra	EPNE	2-5	2-5	2-5	---	2-5	2-8
black sagebrush	ARARN	---	---	---	---	25-35	---
bud sagebrush	ARSP5	5-10	5-10	5-10	---	---	2-5
fourwing saltbush	ATCA2	---	---	---	---	1-5	---
shadscale	ATCO	25-35	25-35	25-35	---	---	2-5
spiny menodora	MESP2	---	---	---	---	---	25-35
winterfat	EULA5	5-10	5-10	5-10	---	1-5	2-5
Range site number		029XY022NV	029XY022NV	029XY022NV	none	029XY008NV	029XY037NV
Potential production (lb/acre):							
Favorable years		400	400	400		700	300
Normal years		250	250	250		500	200
Unfavorable years		100	100	100		250	100

1290--ORICTO-GYNELLE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ORICTO	GYNELLE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-15	10-25	5-10	5-10	5-10
bottlebrush squirreltail	SIHY	---	---	2-5	2-5	5-10
galleta	HIJA	1-3	---	---	---	---
sand dropseed	SPCR	---	2-5	---	---	---
Bailey greasewood	SAVEB	5-15	15-25	2-8	2-8	---
Cooper wolfberry	LYCO2	5-15	10-20	5-15	5-15	---
Nevada ephedra	EPNE	---	---	---	---	5-10
black greasewood	SAVE4	---	---	30-40	30-40	---
bud sagebrush	ARSP5	2-8	5-15	---	---	---
burrobrush	HYMEN3	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	---	5-10
littleleaf horsebrush	TEGL	---	---	---	---	10-20
rubber rabbitbrush	CHNA2	---	---	---	---	10-20
shadscale	ATCO	35-45	20-30	10-20	10-20	---
spiny hopsage	GRSP	---	---	---	---	10-20
Range site number		029XY032NV	027XY043NV	027XY036NV	027XY036NV	027XY022NV
Potential production (lb/acre):						
Favorable years		200	350	200	200	400
Normal years		125	200	100	100	200
Unfavorable years		75	100	50	50	50

1291--ORICTO-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		ORICTO	IZO	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	5-15	5-10	25-35	25-35
bottlebrush squirreltail	SIHY	---	---	2-5	2-5
galleta	HIJA	1-3	---	2-8	2-8
Bailey greasewood	SAVEB	5-15	2-10	---	---
Cooper wolfberry	LYCO2	5-15	2-5	---	---
Nevada ephedra	EPNE	---	2-5	---	---
bud sagebrush	ARSP5	2-8	---	---	---
burrobrush	HYMEN3	---	5-10	---	---
fourwing saltbush	ATCA2	---	5-15	---	---
littleleaf horsebrush	TEGL	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	10-25	---	---
shadscale	ATCO	35-45	---	---	---
Range site number		029XY032NV	029XY041NV	029XY087NV	029XY087NV
Potential production (lb/acre):					
Favorable years		200	500	500	500
Normal years		125	300	350	350
Unfavorable years		75	100	200	200

1292--ORICTO-LUNING ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ORICTO	LUNING	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	5-15	45-60	20-30	50-70	5-15	5-10
galleta	HIJA	1-3	---	2-8	2-5	1-3	---
needleandthread	STCO4	---	---	---	2-5	---	---
sand dropseed	SPCR	---	2-5	2-8	5-15	---	---
globemallow	SPHAE	---	1-3	1-3	---	---	---
Bailey greasewood	SAVEB	5-15	---	---	---	5-15	2-10
Cooper wolfberry	LYCO2	5-15	5-15	---	---	5-15	2-5
Nevada ephedra	EPNE	---	---	---	---	---	2-5
bud sagebrush	ARSP5	2-8	---	2-8	---	2-8	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	20-30	20-30	15-25	---	5-15
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
shadscale	ATCO	35-45	---	---	---	35-45	---
spiny hopsage	GRSP	---	---	2-5	---	---	---
winterfat	EULA5	---	2-8	10-20	2-8	---	---
Range site number		029XY032NV	027XY060NV	029XY046NV	029XY012NV	029XY032NV	029XY041NV
Potential production (lb/acre):							
Favorable years		200	450	500	700	200	500
Normal years		125	250	400	500	125	300
Unfavorable years		75	100	300	300	75	100

1293--ORICTO-TERLCO-ROIC ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ORICTO	TERLCO	ROIC	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-15	25-35	2-5	---	25-35	5-10
bottlebrush squirreltail	SIHY	---	2-5	---	---	2-5	---
galleta	HIJA	1-3	2-8	---	---	2-8	---
Bailey greasewood	SAVEB	5-15	---	5-15	---	---	2-10
Cooper wolfberry	LYCO2	5-15	---	1-5	---	---	2-5
Nevada dalea	DAPO2*	---	---	1-5	---	---	---
Nevada ephedra	EPNE	---	---	---	---	---	2-5
bud sagebrush	ARSP5	2-8	---	---	---	---	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	---	---	5-15
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
shadscale	ATCO	35-45	---	50-70	---	---	---
Range site number		029XY032NV	029XY087NV	029XY033NV	none	029XY087NV	029XY041NV
Potential production (lb/acre):							
Favorable years		200	500	100		500	500
Normal years		125	350	50		350	300
Unfavorable years		75	200	25		200	100

1302--RICERT-CELETON ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		RICERT	CELETON	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-20	15-25	50-70	5-10	15-25
Sandberg bluegrass	POSE	5-10	---	---	---	---
bottlebrush squirreltail	SIHY	2-8	---	---	5-10	---
desert needlegrass	STSP3	---	2-10	---	---	2-10
needleandthread	STCO4	---	---	5-15	---	---
Bailey greasewood	SAVEB	20-30	---	---	---	---
Nevada dalea	PSPO	---	---	0-5	---	---
Nevada ephedra	EPNE	---	2-5	---	5-10	2-5
bud sagebrush	ARSP5	5-15	2-8	---	---	2-8
burrobrush	HYMEN3	---	---	---	5-10	---
fourwing saltbush	ATCA2	---	---	10-20	5-10	---
littleleaf horsebrush	TEGL	---	---	---	10-20	---
rubber rabbitbrush	CHNA2	---	---	---	10-20	---
shadscale	ATCO	15-30	30-40	---	---	30-40
spiny hopsage	GRSP	---	---	2-5	10-20	---
winterfat	EULA5	---	2-8	2-8	---	2-8
Range site number		027XY018NV	027XY027NV	027XY009NV	027XY022NV	027XY027NV
Potential production (lb/acre):						
Favorable years		400	200	700	400	200
Normal years		250	100	450	200	100
Unfavorable years		100	50	250	50	50

1303--RICERT-LUNING ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		RICERT	LUNING	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	10-20	45-60	15-25	25-35
Sandberg bluegrass	POSE	5-10	---	---	---
bottlebrush squirreltail	SIHY	2-8	---	---	2-5
desert needlegrass	STSP3	---	---	2-10	---
galleta	HIJA	---	---	---	2-8
sand dropseed	SPCR	---	2-5	---	---
globemallow	SPHAE	---	1-3	---	---
Bailey greasewood	SAVEB	20-30	---	---	---
Cooper wolfberry	LYCO2	---	5-15	---	---
Nevada ephedra	EPNE	---	---	2-5	---
bud sagebrush	ARSP5	5-15	---	2-8	---
fourwing saltbush	ATCA2	---	20-30	---	---
shadscale	ATCO	15-30	---	30-40	---
winterfat	EULA5	---	2-8	2-8	---
Range site number		027XY018NV	027XY060NV	027XY027NV	029XY087NV
Potential production (lb/acre):					
Favorable years		400	450	200	500
Normal years		250	250	100	350
Unfavorable years		100	100	50	200

1304--RICERT-CLIFFDOWN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		RICERT	RICERT	CLIFFDOWN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-30	10-20	40-50	20-30	25-35	5-10
Sandberg bluegrass	POSE	2-15	5-10	---	---	---	---
bottlebrush squirreltail	SIHY	2-8	2-8	2-5	---	---	---
galleta	HIJA	---	---	2-8	2-8	10-15	---
sand dropseed	SPCR	---	---	---	2-8	---	---
globemallow	SPHAE	---	---	1-3	1-3	---	---
Anderson wolfberry	LYAN	---	---	---	---	2-5	---
Bailey greasewood	SAVEB	---	20-30	---	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	---	---	2-5
Nevada ephedra	EPNE	---	---	---	---	10-15	2-5
bud sagebrush	ARSP5	15-25	5-15	5-15	2-8	2-5	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	1-5	20-30	2-8	5-15
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
shadscale	ATCO	20-35	15-30	---	---	---	---
spiny hopsage	GRSP	---	---	---	2-5	15-30	---
winterfat	EULA5	5-10	---	25-30	10-20	2-5	---
Range site number		027XY013NV	027XY018NV	029XY042NV	029XY046NV	029XY016NV	029XY041NV
Potential production (lb/acre):							
Favorable years		600	400	700	500	1000	500
Normal years		450	250	500	400	700	300
Unfavorable years		250	100	350	300	500	100

1320--TERLCO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		TERLCO	TERLCO	Inclusion 1
Indian ricegrass	ORHY	25-35	25-35	5-10
bottlebrush squirreltail	SIHY	2-5	2-5	---
galleta	HIJA	2-8	2-8	---
Bailey greasewood	SAVEB	---	---	2-10
Cooper wolfberry	LYCO2	---	---	2-5
Nevada ephedra	EPNE	---	---	2-5
burrobrush	HYMEN3	---	---	5-10
fourwing saltbush	ATCA2	---	---	5-15
littleleaf horsebrush	TEGL	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	10-25
Range site number		029XY087NV	029XY087NV	029XY041NV
Potential production (lb/acre):				
Favorable years		500	500	500
Normal years		350	350	300
Unfavorable years		200	200	100

1321--TERLCO-WHIRLO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		TERLCO	WHIRLO	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	25-35	10-20	5-10	10-25
Sandberg bluegrass	POSE	---	5-10	---	---
bottlebrush squirreltail	SIHY	2-5	2-8	---	---
galleta	HIJA	2-8	---	---	---
sand dropseed	SPCR	---	---	---	2-5
Bailey greasewood	SAVEB	---	20-30	2-10	15-25
Cooper wolfberry	LYCO2	---	---	2-5	10-20
Nevada ephedra	EPNE	---	---	2-5	---
bud sagebrush	ARSP5	---	5-15	---	5-15
burrobrush	HYMEN3	---	---	5-10	---
fourwing saltbush	ATCA2	---	---	5-15	---
littleleaf horsebrush	TEGL	---	---	5-10	---
rubber rabbitbrush	CHNA2	---	---	10-25	---
shadscale	ATCO	---	15-30	---	20-30
Range site number		029XY087NV	027XY018NV	029XY041NV	027XY043NV
Potential production (lb/acre):					
Favorable years		500	400	500	350
Normal years		350	250	300	200
Unfavorable years		200	100	100	100

1323--TERLCO-ANNAW-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		TERLCO	ANNAW	IZO	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	10-15	10-15	5-10	15-25	5-10
bottlebrush squirreltail	SIHY	---	---	---	---	2-5
desert needlegrass	STSP3	---	---	---	2-10	2-8
galleta	HIJA	2-8	2-8	---	---	5-15
Bailey greasewood	SAVEB	5-15	5-15	2-10	---	5-15
Cooper wolfberry	LYCO2	---	---	2-5	---	---
Nevada ephedra	EPNE	2-8	2-8	2-5	2-5	2-5
bud sagebrush	ARSP5	2-5	2-5	---	2-8	5-10
burrobrush	HYMEN3	---	---	5-10	---	---
fourwing saltbush	ATCA2	---	---	5-15	---	---
littleleaf horsebrush	TEGL	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	---	---
shadscale	ATCO	5-15	5-15	---	30-40	25-35
spiny menodora	MESP2	35-45	35-45	---	---	---
winterfat	EULA5	---	---	---	2-8	5-10
Range site number		029XY036NV	029XY036NV	029XY041NV	027XY027NV	029XY022NV
Potential production (lb/acre):						
Favorable years		400	400	500	200	400
Normal years		300	300	300	100	250
Unfavorable years		100	100	100	50	100

1326--TERLCO-LYDA ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		TERLCO	LYDA	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-15	10-15	15-25	25-35	5-10
bottlebrush squirreltail	SIHY	---	---	2-5	---	---
galleta	HIJA	2-8	2-8	2-10	10-15	---
Anderson wolfberry	LYAN	---	---	---	2-5	---
Bailey greasewood	SAVEB	5-15	5-15	0-10	---	2-10
Cooper wolfberry	LYCO2	---	---	---	---	2-5
Nevada ephedra	EPNE	2-8	2-8	1-5	10-15	2-5
bud sagebrush	ARSP5	2-5	2-5	5-15	2-5	---
burrobrush	HYMEN3	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	2-8	5-15
littleleaf horsebrush	TEGL	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	10-25
shadscale	ATCO	5-15	5-15	25-35	---	---
spiny hopsage	GRSP	---	---	---	15-30	---
spiny menodora	MESP2	35-45	35-45	---	---	---
winterfat	EULA5	---	---	5-10	2-5	---
Range site number		029XY036NV	029XY036NV	029XY017NV	029XY016NV	029XY041NV
Potential production (lb/acre):						
Favorable years		400	400	500	1000	500
Normal years		300	300	350	700	300
Unfavorable years		100	100	150	500	100

1330--HANDPAH-VEET ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		HANDPAH	VEET	Inclusion 1
Indian ricegrass	ORHY	20-35	10-25	25-35
desert needlegrass	STSP3	2-8	10-20	---
galleta	HIJA	---	2-8	10-15
needleandthread	STCO4	5-15	2-8	---
globemallow	SPHAE	---	1-4	---
Anderson wolfberry	LYAN	---	---	2-5
Nevada ephedra	EPNE	2-5	2-5	10-15
Wyoming big sagebrush	ARTRW*	25-35	25-30	---
bud sagebrush	ARSP5	---	2-5	2-5
fourwing saltbush	ATCA2	2-5	2-5	2-8
spiny hopsage	GRSP	---	5-10	15-30
winterfat	EULA5	---	2-8	2-5
Range site number		029XY006NV	029XY049NV	029XY016NV
Potential production (lb/acre):				
Favorable years		800	1100	1000
Normal years		600	800	700
Unfavorable years		300	500	500

1331--HANDPAH-VEET-UNSEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		HANDPAH	VEET	UNSEL	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-35	10-25	15-25	20-35	10-25
Sandberg bluegrass	POSE	---	---	---	2-5	---
bottlebrush squirreltail	SIHY	---	---	2-5	---	---
desert needlegrass	STSP3	2-8	10-20	---	---	10-20
galleta	HIJA	---	2-8	2-10	2-8	2-8
needleandthread	STCO4	5-15	2-8	---	5-15	2-8
globemallow	SPHAE	---	1-4	---	---	1-4
Bailey greasewood	SAVEB	---	---	0-10	---	---
Nevada ephedra	EPNE	2-5	2-5	1-5	2-5	2-5
Wyoming big sagebrush	ARTRW*	25-35	25-30	---	---	25-30
black sagebrush	ARARN	---	---	---	25-35	---
bud sagebrush	ARSP5	---	2-5	5-15	---	2-5
fourwing saltbush	ATCA2	2-5	2-5	---	1-5	2-5
shadscale	ATCO	---	---	25-35	---	---
spiny hopsage	GRSP	---	5-10	---	---	5-10
winterfat	EULA5	---	2-8	5-10	1-5	2-8
Range site number		029XY006NV	029XY049NV	029XY017NV	029XY008NV	029XY049NV
Potential production (lb/acre):						
Favorable years		800	1100	500	700	1100
Normal years		600	800	350	500	800
Unfavorable years		300	500	150	250	500

1332--HANDPAH-CHUCKRIDGE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		HANDPAH	CHUCKRIDGE	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	20-35	20-35	20-30	2-10	---
Sandberg bluegrass	POSE	---	2-5	2-5	---	2-10	---
desert needlegrass	STSP3	2-8	---	---	---	---	---
galleta	HIJA	---	2-8	2-8	2-8	1-5	---
needleandthread	STCO4	5-15	5-15	5-15	---	---	---
sand dropseed	SPCR	---	---	---	2-8	---	---
globemallow	SPHAE	---	---	---	1-3	---	---
Nevada ephedra	EPNE	2-5	2-5	2-5	---	---	---
Wyoming big sagebrush	ARTRW*	25-35	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	25-35	---
black sagebrush	ARARN	---	25-35	25-35	---	---	---
bud sagebrush	ARSP5	---	---	---	2-8	---	---
desert peachbrush	PRFA	---	---	---	---	10-20	---
fourwing saltbush	ATCA2	2-5	1-5	1-5	20-30	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	5-15	---
spiny hopsage	GRSP	---	---	---	2-5	---	---
winterfat	EULA5	---	1-5	1-5	10-20	---	---
Range site number		029XY006NV	029XY008NV	029XY008NV	029XY046NV	029XY009NV	none
Potential production (lb/acre):							
Favorable years		800	700	700	500	1000	
Normal years		600	500	500	400	700	
Unfavorable years		300	250	250	300	500	

1333--HANDPAH-WATOOPAH-VEET ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		HANDPAH	WATOOPAH	VEET	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-35	10-25	10-25	20-35	---
Sandberg bluegrass	POSE	---	---	---	2-5	---
desert needlegrass	STSP3	2-8	10-20	10-20	---	---
galleta	HIJA	---	2-8	2-8	2-8	---
needleandthread	STCO4	5-15	2-8	2-8	5-15	---
globemallow	SPHAE	---	1-4	1-4	---	---
Nevada ephedra	EPNE	2-5	2-5	2-5	2-5	---
Wyoming big sagebrush	ARTRW*	25-35	25-30	25-30	---	---
black sagebrush	ARARN	---	---	---	25-35	---
bud sagebrush	ARSP5	---	2-5	2-5	---	---
fourwing saltbush	ATCA2	2-5	2-5	2-5	1-5	---
spiny hopsage	GRSP	---	5-10	5-10	---	---
winterfat	EULA5	---	2-8	2-8	1-5	---
Range site number		029XY006NV	029XY049NV	029XY049NV	029XY008NV	029XY114NV
Potential production (lb/acre):						
Favorable years		800	1100	1100	700	1000
Normal years		600	800	800	500	800
Unfavorable years		300	500	500	250	600

1334--HANDPAH-LYDA ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		HANDPAH	LYDA	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	15-25	10-25	20-35	25-35
Sandberg bluegrass	POSE	---	---	---	2-5	---
bottlebrush squirreltail	SIHY	---	2-5	---	---	---
desert needlegrass	STSP3	2-8	---	10-20	---	---
galleta	HIJA	---	2-10	2-8	2-8	10-15
needleandthread	STCO4	5-15	---	2-8	5-15	---
globemallow	SPHAE	---	---	1-4	---	---
Anderson wolfberry	LYAN	---	---	---	---	2-5
Bailey greasewood	SAVEB	---	0-10	---	---	---
Nevada ephedra	EPNE	2-5	1-5	2-5	2-5	10-15
Wyoming big sagebrush	ARTRW*	25-35	---	25-30	---	---
black sagebrush	ARARN	---	---	---	25-35	---
bud sagebrush	ARSP5	---	5-15	2-5	---	2-5
fourwing saltbush	ATCA2	2-5	---	2-5	1-5	2-8
shadscale	ATCO	---	25-35	---	---	---
spiny hopsage	GRSP	---	---	5-10	---	15-30
winterfat	EULA5	---	5-10	2-8	1-5	2-5
Range site number		029XY006NV	029XY017NV	029XY049NV	029XY008NV	029XY016NV
Potential production (lb/acre):						
Favorable years		800	500	1100	700	1000
Normal years		600	350	800	500	700
Unfavorable years		300	150	500	250	500

1351--CHILL-VEET ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		CHILL	VEET	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-25	10-25	20-35	---	20-35
Sandberg bluegrass	POSE	2-5	---	2-5	---	2-5
bottlebrush squirreltail	SIHY	2-5	---	---	---	---
desert needlegrass	STSP3	---	10-20	---	---	---
galleta	HIJA	---	2-8	2-8	---	2-8
needleandthread	STCO4	5-15	2-8	5-15	---	5-15
globemallow	SPHAE	---	1-4	---	---	---
Nevada ephedra	EPNE	2-5	2-5	2-5	---	2-5
Wyoming big sagebrush	ARTRW	20-30	---	---	---	---
Wyoming big sagebrush	ARTRW	20-30	25-30	---	---	---
Wyoming big sagebrush	ARTRW*					
black sagebrush	ARARN	---	---	25-35	---	25-35
bud sagebrush	ARSP5	---	2-5	---	---	---
fourwing saltbush	ATCA2	---	2-5	1-5	---	1-5
spiny hopsage	GRSP	10-25	5-10	---	---	---
winterfat	EULA5	2-5	2-8	1-5	---	1-5
Range site number		027XY008NV	029XY049NV	029XY008NV	none	029XY008NV
Potential production (lb/acre):						
Favorable years		700	1100	700		700
Normal years		500	800	500		500
Unfavorable years		300	500	250		250

1360--WABUSKA-PLAYAS-ISOLDE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		WABUSKA	PLAYAS	ISOLDE	Inclusion 1	Inclusion 2	Inclusion 3
Baltic rush	JUBA	5-10	---	---	---	---	---
Indian ricegrass	ORHY	---	---	20-30	---	5-10	5-10
alkali sacaton	SPAI	30-45	---	---	---	---	---
basin wildrye	ELCI2	2-5	---	---	---	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	5-10	2-5
inland saltgrass	DISPS2	10-15	---	2-5	2-10	---	---
western wheatgrass	AGSM	2-5	---	---	---	---	---
Bailey greasewood	SAVEB	---	---	---	---	---	2-8
Cooper wolfberry	LYCO2	---	---	---	---	---	5-15
Nevada ephedra	EPNE	---	---	---	---	5-10	---
black greasewood	SAVE4	---	---	30-50	60-70	---	30-40
burrobrush	HYMEN3	---	---	---	---	5-10	---
fourwing saltbush	ATCA2	---	---	2-5	---	5-10	---
littleleaf horsebrush	TEGL	---	---	---	---	10-20	---
rubber rabbitbrush	CHNA2	---	---	---	---	10-20	---
seepweed	SUAED	---	---	---	2-8	---	---
shadscale	ATCO	---	---	2-5	2-10	---	10-20
spiny hopsage	GRSP	---	---	---	---	10-20	---
Range site number		027XY005NV	none	027XY016NV	027XY025NV	027XY022NV	027XY036NV
Potential production (lb/acre):							
Favorable years		3000		500	500	400	200
Normal years		2200		300	350	200	100
Unfavorable years		1000		150	200	50	50

1390--JEVETS-STUMBLE-UNIVEGA ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		JEVETS	STUMBLE	UNIVEGA	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	50-70	50-70	20-30	20-30	20-30
galleta	HIJA	2-5	2-5	2-8	2-8	2-8
needleandthread	STCO4	2-5	2-5	---	---	---
sand dropseed	SPCR	5-15	5-15	2-8	2-8	2-8
globemallow	SPHAE	---	---	1-3	1-3	1-3
bud sagebrush	ARSP5	---	---	2-8	2-8	2-8
fourwing saltbush	ATCA2	15-25	15-25	20-30	20-30	20-30
spiny hopsage	GRSP	---	---	2-5	2-5	2-5
winterfat	EULA5	2-8	2-8	10-20	10-20	10-20
Range site number		029XY012NV	029XY012NV	029XY046NV	029XY046NV	029XY046NV
Potential production (lb/acre):						
Favorable years		700	700	500	500	500
Normal years		500	500	400	400	400
Unfavorable years		300	300	300	300	300

1410--WATOOPAH-VEET ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		WATOOPAH	VEET	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	10-25	10-25	20-35	2-10	20-35	---
Sandberg bluegrass	POSE	---	---	---	2-10	2-5	---
desert needlegrass	STSP3	10-20	10-20	2-8	---	---	---
galleta	HIJA	2-8	2-8	---	1-5	2-8	---
needleandthread	STCO4	2-8	2-8	5-15	---	5-15	---
globemallow	SPHAE	1-4	1-4	---	---	---	---
Nevada ephedra	EPNE	2-5	2-5	2-5	---	2-5	---
Wyoming big sagebrush	ARTRW*	25-30	25-30	25-35	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	25-35	---	---
black sagebrush	ARARN	---	---	---	---	25-35	---
bud sagebrush	ARSP5	2-5	2-5	---	---	---	---
desert peachbrush	PRFA	---	---	---	10-20	---	---
fourwing saltbush	ATCA2	2-5	2-5	2-5	---	1-5	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	5-15	---	---
spiny hopsage	GRSP	5-10	5-10	---	---	---	---
winterfat	EULA5	2-8	2-8	---	---	1-5	---
Range site number		029XY049NV	029XY049NV	029XY006NV	029XY009NV	029XY008NV	029XY114NV
Potential production (lb/acre):							
Favorable years		1100	1100	800	1000	700	1000
Normal years		800	800	600	700	500	800
Unfavorable years		500	500	300	500	250	600

1412--WATOOPAH-VEET-ZADVAR ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		WATOOPAH	VEET	ZADVAR	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-25	10-25	20-35	20-35	20-35	20-35
Sandberg bluegrass	POSE	---	---	2-5	---	2-5	2-5
desert needlegrass	STSP3	10-20	10-20	---	2-8	---	---
galleta	HIJA	2-8	2-8	2-8	---	2-8	2-8
needleandthread	STCO4	2-8	2-8	5-15	5-15	5-15	5-15
globemallow	SPHAE	1-4	1-4	---	---	---	---
Nevada ephedra	EPNE	2-5	2-5	2-5	2-5	2-5	2-5
Wyoming big sagebrush	ARTRW*	25-30	25-30	---	25-35	---	---
black sagebrush	ARARN	---	---	25-35	---	25-35	25-35
bud sagebrush	ARSP5	2-5	2-5	---	---	---	---
fourwing saltbush	ATCA2	2-5	2-5	1-5	2-5	1-5	1-5
spiny hopsage	GRSP	5-10	5-10	---	---	---	---
winterfat	EULA5	2-8	2-8	1-5	---	1-5	1-5
Range site number		029XY049NV	029XY049NV	029XY008NV	029XY006NV	029XY008NV	029XY008NV
Potential production (lb/acre):							
Favorable years		1100	1100	700	800	700	700
Normal years		800	800	500	600	500	500
Unfavorable years		500	500	250	300	250	250

1420--SQUAWTIP-BELLEHELEN-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		SQUAWTIP	BELLEHELEN	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	1-5	---	---	---	---	---	---
Indian ricegrass	ORHY	1-5	---	---	---	---	---	---
Letterman needlegrass	STLE4	1-5	---	---	---	20-30	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	10-20
Sandberg bluegrass	POSE	---	---	---	---	1-3	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	5-10
basin wildrye	ELCI2	---	---	---	2-10	---	5-15	---
bottlebrush squirreltail	SIHY	1-5	1-5	---	---	---	---	---
bulrush	SCIRP	---	---	---	---	---	---	2-5
muttongrass	POFE	1-5	1-5	---	---	10-20	---	---
needleandthread	STCO4	1-5	---	---	---	---	---	---
needlegrass	STIPA	---	---	---	10-15	---	5-10	---
other bluegrass	POA++	---	1-5	---	---	---	---	---
pine needlegrass	STPI2	---	---	---	---	2-8	---	---
prairie junegrass	KOCR*	---	---	---	---	2-5	---	---
rush	JUNCU	---	---	---	---	---	---	2-8
sedge	CAREX	---	---	---	---	---	---	15-25
slender wheatgrass	AGTR	---	---	---	---	---	---	---
spikerush	ELEOC	---	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	---	---
tufted hairgrass	DECA5*	---	---	---	---	---	---	10-20
western needlegrass	STOC2	---	---	---	---	---	---	---
western wheatgrass	AGSM	---	---	---	---	---	---	---
wheatgrass	AGROP2	---	---	---	---	---	5-15	---
Stansbury cliffrose	COMES	---	1-5	---	---	---	---	---
antelope bitterbrush	PUTR2	1-5	---	---	---	---	1-5	---
black sagebrush	ARARN	---	1-5	---	---	---	---	---
currant	RIBES	---	---	---	---	---	1-5	---
green ephedra	EPVI	---	1-5	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	25-35	---	---
mountain big sagebrush	ARVA2	1-5	---	---	1-5	---	10-20	---
serviceberry	AMELA	---	---	---	---	---	1-5	---
snowberry	SYMPH	1-5	---	---	1-5	---	1-5	---
willow	SALIX	---	---	---	---	---	---	1-3
curlleaf mountainmahogany	CELE3	---	---	---	60-70	---	---	---
singleleaf pinyon	PIMO	---	1-5	---	---	---	---	---

Range site number	029XY066NV	029XY069NV	none	029XY027NV	029XY052NV	029XY026NV	029XY060NV
Potential production (lb/acre):							
Favorable years	600	400		3000	700	1500	3000
Normal years	400	300		2400	450	1000	2000
Unfavorable years	250	150		1700	300	800	1200

1421--SQUAWTIP-GABBVALLY-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		SQUAWTIP	GABBVALLY	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	1-5	---	---	---	1-5	---	---
Indian ricegrass	ORHY	1-5	10-15	---	---	1-5	5-15	---
Letterman needlegrass	STLE4	1-5	---	---	---	1-5	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	---	2-5	---	---	---	2-8	---
Thurber needlegrass	STTH2	---	---	---	---	---	25-35	---
basin wildrye	ELCI2	---	---	---	---	---	---	70-80
bottlebrush squirreltail	SIHY	1-5	---	---	1-5	1-5	---	---
desert needlegrass	STSP3	---	2-8	---	---	---	---	---
galleta	HIJA	---	2-8	---	---	---	---	---
muttongrass	POFE	1-5	---	---	1-5	1-5	---	---
needleandthread	STCO4	1-5	15-25	---	---	1-5	---	---
other bluegrass	POA++	---	---	---	1-5	---	---	---
Nevada ephedra	EPNE	---	---	---	---	---	2-5	---
Stansbury cliffrose	COMES	---	---	---	1-5	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	25-35	---
Wyoming big sagebrush	ARTRW	---	30-35	---	---	---	25-35	---
Wyoming big sagebrush	ARTRW*							
antelope bitterbrush	PUTR2	1-5	---	---	---	1-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	---	---	---	1-5	---	---	---
ephedra	EPHED	---	2-8	---	---	---	---	---
fourwing saltbush	ATCA2	---	2-5	---	---	---	---	---
green ephedra	EPVI	---	---	---	1-5	---	---	---
mountain big sagebrush	ARVA2	1-5	---	---	---	1-5	---	---
snowberry	SYMPH	1-5	---	---	---	1-5	---	---
spiny hopsage	GRSP	---	---	---	---	---	2-8	---
singleleaf pinyon	PIMO	---	---	---	1-5	---	---	---
Range site number		029XY066NV	029XY010NV	none	029XY069NV	029XY066NV	027XY007NV	028BY003NV
Potential production (lb/acre):								
Favorable years		600	500		400	600	700	5000
Normal years		400	350		300	400	500	2500
Unfavorable years		250	250		150	250	300	1500

1430--BELLEHELEN-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		BELLEHELEN	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	1-5	---	---
Indian ricegrass	ORHY	---	---	---	1-5	---	---
Letterman needlegrass	STLE4	---	---	---	1-5	---	---
Nevada bluegrass	PONE3	---	---	10-20	---	---	10-20
alkali sacaton	SPAI	---	---	---	---	1-5	---
alpine timothy	PHAL2	---	---	5-10	---	---	5-10
basin wildrye	ELCI2	---	---	---	---	45-65	---
bottlebrush squirreltail	SIHY	1-5	---	---	1-5	---	---
bulrush	SCIRP	---	---	2-5	---	---	2-5
creeping wildrye	ELTR3	---	---	---	---	5-15	---
muttongrass	POFE	1-5	---	---	1-5	---	---
needleandthread	STCO4	---	---	---	1-5	---	---
other bluegrass	POA++	1-5	---	---	---	---	---
rush	JUNCU	---	---	2-8	---	---	2-8
sedge	CAREX	---	---	15-25	---	---	15-25
spikerush	ELEOC	---	---	2-8	---	---	2-8
tufted hairgrass	DECA5*	---	---	10-20	---	---	10-20
western wheatgrass	AGSM	---	---	---	---	5-15	---
Stansbury cliffrose	COMES	1-5	---	---	---	---	---
antelope bitterbrush	PUTR2	---	---	---	1-5	---	---
basin big sagebrush	ARTRT*	---	---	---	---	5-10	---
black sagebrush	ARARN	1-5	---	---	---	---	---
green ephedra	EPVI	1-5	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	1-5	---	---
snowberry	SYMPH	---	---	---	1-5	---	---
willow	SALIX	---	---	1-3	---	---	1-3
singleleaf pinyon	PIMO	1-5	---	---	---	---	---
Range site number		029XY069NV	none	029XY060NV	029XY066NV	029XY003NV	029XY060NV
Potential production (lb/acre):							
Favorable years		400		3000	600	3000	3000
Normal years		300		2000	400	2000	2000
Unfavorable years		150		1200	250	800	1200

1451--GRASSVAL-ZAIDY-ALLEY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		GRASSVAL	ZAIDY	ALLEY	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	20-35	20-30	10-15	10-15	5-10	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-8	2-8	2-5	2-5	2-5	---	---
basin wildrye	ELCI2	---	---	---	---	---	10-20	70-80
bottlebrush squirreltail	SIHY	2-5	2-5	2-8	---	---	---	---
desert needlegrass	STSP3	---	---	---	2-8	2-8	---	---
galleta	HIJA	---	---	---	2-8	2-8	---	---
needleandthread	STCO4	5-15	5-15	10-20	15-25	15-25	---	---
thickspike wheatgrass	AGDA	---	---	---	---	---	5-10	---
Nevada ephedra	EPNE	---	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	25-35	---	---	25-35	---
Wyoming big sagebrush	ARTRW	---	---	25-35	30-35	30-35	25-35	---
Wyoming big sagebrush	ARTRW*							
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	25-35	25-35	---	---	---	---	---
downy rabbitbrush	CHVIP4	2-5	2-5	---	---	---	---	---
ephedra	EPHED	---	---	---	2-8	2-8	---	---
fourwing saltbush	ATCA2	---	---	---	2-5	2-5	---	---
green ephedra	EPVI	---	---	---	---	---	---	---
rabbitbrush	CHRSY9	---	---	2-5	---	---	---	---
shadscale	ATCO	2-5	2-5	---	---	---	---	---
Range site number		028BY011NV	028BY011NV	028BY010NV	029XY010NV	029XY010NV	028BY045NV	028BY003NV
Potential production (lb/acre):								
Favorable years		600	600	800	500	500	1000	5000
Normal years		450	450	600	350	350	800	2500
Unfavorable years		250	250	400	250	250	600	1500

1452--GRASSVAL-DEWAR-ALLEY ASSOCIATION

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		GRASSVAL	DEWAR	ALLEY	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	20-30	20-30	20-35	5-10	X	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-8	2-5	2-5	2-8	---	---	---
basin wildrye	ELCI2	---	---	---	---	10-20	X	70-80
bluegrass	POA++	---	---	---	---	---	X	---
bottlebrush squirreltail	SIHY	2-5	2-5	2-8	2-5	---	X	---
needleandthread	STCO4	5-15	10-20	10-20	5-15	---	X	---
thickspike wheatgrass	AGDA	---	---	---	---	5-10	---	---
thickstem wildcabbage	CACR11	---	---	---	---	---	X	---
Utah juniper	JUOS	---	---	---	---	---	X	---
Wyoming big sagebrush	ARTRW	---	25-35	25-35	---	25-35	---	---
antelope bitterbrush	PUTR2	---	---	---	---	---	X	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	25-35	---	---	25-35	---	X	---
downy rabbitbrush	CHVIP4	2-5	---	---	2-5	---	---	---
rabbitbrush	CHRSY9	---	---	2-5	---	---	---	---
shadscale	ATCO	2-5	---	---	2-5	---	---	---
Range site number		028BY011NV	028BY080NV	028BY010NV	028BY011NV	028BY045NV	028BY083NV	028BY003NV
Potential production (lb/acre):								
Favorable years		600	600	800	600	1000	300	5000
Normal years		450	400	600	450	800	200	2500
Unfavorable years		250	200	400	250	600	125	1500

1453--GRASSVAL-DEFLER-RICERT ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		GRASSVAL	DEFLER	RICERT	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	15-25	15-25	5-10	20-30	5-10	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-8	---	---	---	2-5	---	---
basin wildrye	ELCI2	---	---	---	10-20	---	10-20	70-80
bottlebrush squirreltail	SIHY	2-5	5-10	5-10	---	2-8	---	---
needleandthread	STCO4	5-15	---	---	---	10-20	---	---
other perennial grasses	PPGG	---	2-5	2-5	---	---	---	---
thickspike wheatgrass	AGDA	---	---	---	5-10	---	5-10	---
globemallow	SPHAE	---	2-5	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	25-35	25-35	25-35	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	25-35	---	---	---	---	---	---
bud sagebrush	ARSP5	---	2-8	2-8	---	---	---	---
downy rabbitbrush	CHVIP4	2-5	---	---	---	---	---	---
fourwing saltbush	ATCA2	---	2-5	2-5	---	---	---	---
rabbitbrush	CHRSY9	---	---	---	---	2-5	---	---
shadscale	ATCO	2-5	---	---	---	---	---	---
winterfat	EULA5	---	40-50	40-50	---	---	---	---
Range site number		028BY011NV	028BY013NV	028BY013NV	028BY045NV	028BY010NV	028BY045NV	028BY003NV
Potential production (lb/acre):								
Favorable years		600	700	700	1000	800	1000	5000
Normal years		450	500	500	800	600	800	2500
Unfavorable years		250	350	350	600	400	600	1500

1454--GRASSVAL-WIELAND ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		GRASSVAL	WIELAND	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	20-30	20-35	10-20	20-30	10-20
Sandberg bluegrass	POSE	2-8	2-5	2-8	2-5	2-5	---
bottlebrush squirreltail	SIHY	2-5	2-8	2-5	2-5	2-8	5-15
needleandthread	STCO4	5-15	10-20	5-15	10-20	10-20	---
Wyoming big sagebrush	ARTRW	---	25-35	---	---	25-35	---
black sagebrush	ARARN	25-35	---	25-35	35-45	---	---
bud sagebrush	ARSP5	---	---	---	---	---	10-25
downy rabbitbrush	CHVIP4	2-5	---	2-5	---	---	---
rabbitbrush	CHRSY9	---	2-5	---	---	2-5	---
shadscale	ATCO	2-5	---	2-5	2-5	---	40-50
Range site number		028BY011NV	028BY010NV	028BY011NV	028BY016NV	028BY010NV	028BY017NV
Potential production (lb/acre):							
Favorable years		600	800	600	350	800	400
Normal years		450	600	450	225	600	300
Unfavorable years		250	400	250	100	400	200

1460--ZADVAR-HANDPAH ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ZADVAR	HANDPAH	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	20-35	20-35	10-25	20-35
Sandberg bluegrass	POSE	2-5	---	2-5	---	2-5
desert needlegrass	STSP3	---	2-8	---	10-20	---
galleta	HIJA	2-8	---	2-8	2-8	2-8
needleandthread	STCO4	5-15	5-15	5-15	2-8	5-15
globemallow	SPHAE	---	---	---	1-4	---
Nevada ephedra	EPNE	2-5	2-5	2-5	2-5	2-5
Wyoming big sagebrush	ARTRW*	---	25-35	---	25-30	---
black sagebrush	ARARN	25-35	---	25-35	---	25-35
bud sagebrush	ARSP5	---	---	---	2-5	---
fourwing saltbush	ATCA2	1-5	2-5	1-5	2-5	1-5
spiny hopsage	GRSP	---	---	---	5-10	---
winterfat	EULA5	1-5	---	1-5	2-8	1-5
Range site number		029XY008NV	029XY006NV	029XY008NV	029XY049NV	029XY008NV
Potential production (lb/acre):						
Favorable years		700	800	700	1100	700
Normal years		500	600	500	800	500
Unfavorable years		250	300	250	500	250

1461--ZADVAR-CHUCKRIDGE-WATOOPAH ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ZADVAR	CHUCKRIDGE	WATOOPAH	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	20-35	10-25	20-35	20-35	15-25
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	2-5
desert needlegrass	STSP3	---	---	10-20	---	2-8	---
galleta	HIJA	2-8	2-8	2-8	2-8	---	2-10
needleandthread	STCO4	5-15	5-15	2-8	5-15	5-15	---
globemallow	SPHAE	---	---	1-4	---	---	---
Bailey greasewood	SAVEB	---	---	---	---	---	0-10
Nevada ephedra	EPNE	2-5	2-5	2-5	2-5	2-5	1-5
Wyoming big sagebrush	ARTRW*	---	---	25-30	---	25-35	---
black sagebrush	ARARN	25-35	25-35	---	25-35	---	---
bud sagebrush	ARSP5	---	---	2-5	---	---	5-15
fourwing saltbush	ATCA2	1-5	1-5	2-5	1-5	2-5	---
shadscale	ATCO	---	---	---	---	---	25-35
spiny hopsage	GRSP	---	---	5-10	---	---	---
winterfat	EULA5	1-5	1-5	2-8	1-5	---	5-10
Range site number		029XY008NV	029XY008NV	029XY049NV	029XY008NV	029XY006NV	029XY017NV
Potential production (lb/acre):							
Favorable years		700	700	1100	700	800	500
Normal years		500	500	800	500	600	350
Unfavorable years		250	250	500	250	300	150

1462--ZADVAR-CHUCKRIDGE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ZADVAR	CHUCKRIDGE	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	20-35	20-35	---	---	10-25
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	---
bottlebrush squirreltail	SIHY	---	---	---	1-5	---	---
desert needlegrass	STSP3	---	---	---	---	---	10-20
galleta	HIJA	2-8	2-8	2-8	---	---	2-8
muttongrass	POFE	---	---	---	1-5	---	---
needleandthread	STCO4	5-15	5-15	5-15	---	---	2-8
other bluegrass	POA++	---	---	---	1-5	---	---
globemallow	SPHAE	---	---	---	---	---	1-4
Nevada ephedra	EPNE	2-5	2-5	2-5	---	---	2-5
Stansbury cliffrose	COMES	---	---	---	1-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	25-30
black sagebrush	ARARN	25-35	25-35	25-35	1-5	---	---
bud sagebrush	ARSP5	---	---	---	---	---	2-5
fourwing saltbush	ATCA2	1-5	1-5	1-5	---	---	2-5
green ephedra	EPVI	---	---	---	1-5	---	---
spiny hopsage	GRSP	---	---	---	---	---	5-10
winterfat	EULA5	1-5	1-5	1-5	---	---	2-8
singleleaf pinyon	PIMO	---	---	---	1-5	---	---
Range site number		029XY008NV	029XY008NV	029XY008NV	029XY069NV	none	029XY049NV
Potential production (lb/acre):							
Favorable years		700	700	700	400		1100
Normal years		500	500	500	300		800
Unfavorable years		250	250	250	150		500

1463--ZADVAR-VEET ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ZADVAR	VEET	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	10-25	10-25	15-25	20-35
Sandberg bluegrass	POSE	2-5	---	---	---	2-5
bottlebrush squirreltail	SIHY	---	---	---	2-5	---
desert needlegrass	STSP3	---	10-20	10-20	---	---
galleta	HIJA	2-8	2-8	2-8	2-10	2-8
needleandthread	STCO4	5-15	2-8	2-8	---	5-15
globemallow	SPHAE	---	1-4	1-4	---	---
Bailey greasewood	SAVEB	---	---	---	0-10	---
Nevada ephedra	EPNE	2-5	2-5	2-5	1-5	2-5
Wyoming big sagebrush	ARTRW*	---	25-30	25-30	---	---
black sagebrush	ARARN	25-35	---	---	---	25-35
bud sagebrush	ARSP5	---	2-5	2-5	5-15	---
fourwing saltbush	ATCA2	1-5	2-5	2-5	---	1-5
shadscale	ATCO	---	---	---	25-35	---
spiny hopsage	GRSP	---	5-10	5-10	---	---
winterfat	EULA5	1-5	2-8	2-8	5-10	1-5
Range site number		029XY008NV	029XY049NV	029XY049NV	029XY017NV	029XY008NV
Potential production (lb/acre):						
Favorable years		700	1100	1100	500	700
Normal years		500	800	800	350	500
Unfavorable years		250	500	500	150	250

1464--ZADVAR-STEWVAL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		ZADVAR	STEWVAL	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-35	20-35	20-35	25-35
Sandberg bluegrass	POSE	2-5	2-5	---	---
bottlebrush squirreltail	SIHY	---	---	---	2-5
desert needlegrass	STSP3	---	---	2-8	---
galleta	HIJA	2-8	2-8	---	2-8
needleandthread	STCO4	5-15	5-15	5-15	---
Nevada ephedra	EPNE	2-5	2-5	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	25-35	---
black sagebrush	ARARN	25-35	25-35	---	---
fourwing saltbush	ATCA2	1-5	1-5	2-5	---
winterfat	EULA5	1-5	1-5	---	---
Range site number		029XY008NV	029XY008NV	029XY006NV	029XY087NV
Potential production (lb/acre):					
Favorable years		700	700	800	500
Normal years		500	500	600	350
Unfavorable years		250	250	300	200

1465--ZADVAR-UNSEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ZADVAR	UNSEL	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	25-35	10-25	25-35	---
Sandberg bluegrass	POSE	2-5	---	---	---	---
bottlebrush squirreltail	SIHY	---	2-5	---	2-5	---
desert needlegrass	STSP3	---	---	10-20	---	---
galleta	HIJA	2-8	2-8	2-8	2-8	---
needleandthread	STCO4	5-15	---	2-8	---	---
globemallow	SPHAE	---	---	1-4	---	---
Nevada ephedra	EPNE	2-5	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	25-30	---	---
black sagebrush	ARARN	25-35	---	---	---	---
bud sagebrush	ARSP5	---	---	2-5	---	---
fourwing saltbush	ATCA2	1-5	---	2-5	---	---
spiny hopsage	GRSP	---	---	5-10	---	---
winterfat	EULA5	1-5	---	2-8	---	---
Range site number		029XY008NV	029XY087NV	029XY049NV	029XY087NV	029XY114NV
Potential production (lb/acre):						
Favorable years		700	500	1100	500	1000
Normal years		500	350	800	350	800
Unfavorable years		250	200	500	200	600

1466--ZADVAR-LAKE [illegible] ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		ZADVAR	BARNMOT	UNSEL	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	5-10	25-35	10-20	40-50	20-30	---
Sandberg bluegrass	POSE	2-5	---	---	---	---	---	---
bottlebrush squirreltail	SLST	---	2-5	2-5	---	2-5	---	---
desert needlegrass	STEL3	---	2-8	---	---	---	---	---
galleta	HIRA	2-8	5-15	2-8	2-8	2-8	2-8	---
needleandthread	STCO4	5-15	---	---	5-15	---	---	---
sand dropseed	SPCR	---	---	---	---	---	2-8	---
globemallow	SPEAE	---	---	---	---	1-3	1-3	---
Bailey greasewood	SNFR3	---	5-15	---	---	---	---	---
Nevada ephedra	EPNE	2-5	2-5	---	2-8	---	---	---
black sagebrush	ARSPN	25-35	---	---	35-45	---	---	---
bud sagebrush	ARSPS	---	5-10	---	---	5-15	2-8	---
fourwing saltbush	ATCA2	1-5	---	---	---	1-5	20-30	---
shadscale	ATCO	---	25-35	---	1-5	---	---	---
spiny hopsage	GRSP	---	---	---	---	---	2-5	---
winterfat	EULA5	1-5	5-10	---	---	25-30	10-20	---
Range site number		029XY008NV	029XY022NV	029XY087NV	029XY014NV	029XY042NV	029XY046NV	none
Potential production (lb/acre):								
Favorable years		700	400	500	350	700	500	
Normal years		500	250	350	200	500	400	
Unfavorable years		250	100	200	75	350	300	

1470--CIRAC-WARDENOT-SLAW ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		CIRAC	WARDENOT	SLAW	Inclusion 1	Inclusion 2	Inclusion 3
Baltic rush	JUBA	---	---	---	---	1-5	5-15
Indian ricegrass	ORHY	2-10	2-10	---	15-25	---	---
alkali cordgrass	SPGR	---	---	---	---	---	2-5
alkali sacaton	SPAI	---	---	2-10	---	20-40	25-40
basin wildrye	ELCI2	---	---	20-40	---	25-35	2-5
bottlebrush squirreltail	SIHY	2-5	2-5	---	---	---	---
giantreed	ARDO4	---	---	---	---	---	2-5
inland saltgrass	DISPS2	---	---	---	2-5	2-10	10-15
needleandthread	STCO4	---	---	---	5-10	---	---
sand dropseed	SPCR	---	---	---	2-10	---	---
Torrey quailbush	ATTO	---	---	30-50	---	---	---
alkali rabbitbrush	CHAL9	---	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	2-10	---	---	---
black greasewood	SAVE4	20-35	20-35	5-15	30-50	5-15	---
bud sagebrush	ARSP5	5-15	5-15	---	---	---	---
fourwing saltbush	ATCA2	2-5	2-5	---	5-15	---	---
rabbitbrush	CHRYS9	---	---	---	---	1-5	---
shadscale	ATCO	30-50	30-50	---	2-8	---	---
threadleaf rubberrabbitbrush	CHNAC2	---	---	---	---	---	---
Range site number		029XY024NV	029XY024NV	029XY093NV	029XY018NV	029XY004NV	029XY002NV
Potential production (lb/acre):							
Favorable years		700	700	1500	450	1600	3300
Normal years		500	500	1200	300	1100	2200
Unfavorable years		300	300	800	100	800	1000

1476--CIRAC-KAWICH ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		CIRAC	KAWICH	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	2-10	15-25	---	---	---
Letterman needlegrass	STLE4	---	---	---	---	10-20
alkali sacaton	SPAI	---	---	2-8	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---
inland saltgrass	DISPS2	---	2-5	5-15	---	---
mountain brome	BRCA5	---	---	---	---	5-10
muttongrass	POFE	---	---	---	---	10-15
needleandthread	STCO4	---	5-10	---	---	---
sand dropseed	SPCR	---	2-10	---	---	---
spike fescue	VLEXI2	---	---	---	---	2-8
Parry saltbush	ATPA3	---	---	2-10	---	---
black greasewood	SAVE4	20-35	30-50	50-65	---	---
bud sagebrush	ARSP5	5-15	---	---	---	---
fourwing saltbush	ATCA2	2-5	5-15	---	---	---
green ephedra	EPVI	---	---	---	---	2-3
mountain big sagebrush	ARVA2	---	---	---	---	15-25
seepweed	SUAED	---	---	2-5	---	---
serviceberry	AMELA	---	---	---	---	2-5
shadscale	ATCO	30-50	2-8	2-10	---	---
snowberry	SYMPH	---	---	---	---	2-8
Range site number		029XY024NV	029XY018NV	029XY076NV	none	029XY051NV
Potential production (lb/acre):						
Favorable years		700	450	450		1300
Normal years		500	300	250		1100
Unfavorable years		300	100	100		700

1477--CIRAC-STUMBLE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		CIRAC	CIRAC	STUMBLE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	2-10	---	50-70	35-40	5-10	15-25
alkali sacaton	SPAI	---	2-8	---	---	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---	---
galleta	HIJA	---	---	2-5	2-5	---	---
inland saltgrass	DISPS2	---	5-15	---	---	---	2-5
needleandthread	STCO4	---	---	2-5	---	---	5-10
sand dropseed	SPCR	---	---	5-15	---	---	2-10
Bailey greasewood	SAVEB	---	---	---	5-15	2-10	---
Cooper wolfberry	LYCO2	---	---	---	2-8	2-5	---
Nevada ephedra	EPNE	---	---	---	---	2-5	---
Parry saltbush	ATPA3	---	2-10	---	---	---	---
black greasewood	SAVE4	20-35	50-65	---	---	---	30-50
bud sagebrush	ARSP5	5-15	---	---	---	---	---
burrobrush	HYMEN3	---	---	---	---	5-10	---
fourwing saltbush	ATCA2	2-5	---	15-25	---	5-15	5-15
littleleaf horsebrush	TEGL	---	---	---	---	5-10	---
rubber rabbitbrush	CHNA2	---	---	---	---	10-25	---
seepweed	SUAED	---	2-5	---	---	---	---
shadscale	ATCO	30-50	2-10	---	20-30	---	2-8
white bursage	AMDU2	---	---	---	5-15	---	---
winterfat	EULA5	---	---	2-8	---	---	---
Range site number		029XY024NV	029XY076NV	029XY012NV	029XY039NV	029XY041NV	029XY018NV
Potential production (lb/acre).							
Favorable years		700	450	700	500	500	450
Normal years		500	250	500	350	300	300
Unfavorable years		300	100	300	200	100	100

1481--CHUCKRIDGE-UNSEL-VEET ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		CHUCKRIDGE	UNSEL	VEET	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	15-25	10-25	20-30	20-35	20-35	2-10
Sandberg bluegrass	POSE	2-5	---	---	---	2-5	---	2-10
bottlebrush squirreltail	SIHY	---	2-5	---	---	---	---	---
desert needlegrass	STSP3	---	---	10-20	---	---	2-8	---
galleta	HIJA	2-8	2-10	2-8	2-8	2-8	---	1-5
needleandthread	STCO4	5-15	---	2-8	---	5-15	5-15	---
sand dropseed	SPCR	---	---	---	2-8	---	---	---
globemallow	SPHAE	---	---	1-4	1-3	---	---	---
Bailey greasewood	SAVEB	---	0-10	---	---	---	---	---
Nevada ephedra	EPNE	2-5	1-5	2-5	---	2-5	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	25-30	---	---	25-35	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	---	25-35
black sagebrush	ARARN	25-35	---	---	---	25-35	---	---
bud sagebrush	ARSP5	---	5-15	2-5	2-8	---	---	---
desert peachbrush	PRFA	---	---	---	---	---	---	10-20
fourwing saltbush	ATCA2	1-5	---	2-5	20-30	1-5	2-5	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	---	5-15
shadscale	ATCO	---	25-35	---	---	---	---	---
spiny hopsage	GRSP	---	---	5-10	2-5	---	---	---
winterfat	EULA5	1-5	5-10	2-8	10-20	1-5	---	---
Range site number		029XY008NV	029XY017NV	029XY049NV	029XY046NV	029XY008NV	029XY006NV	029XY009NV
Potential production (lb/acre):								
Favorable years		700	500	1100	500	700	800	1000
Normal years		500	350	800	400	500	600	700
Unfavorable years		250	150	500	300	250	300	500

1483--CHUCKRIDGE GRAVELLY SANDY LOAM, 2 TO 8 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		CHUCKRIDGE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	10-25	---	20-35
Sandberg bluegrass	POSE	2-5	---	---	2-5
bottlebrush squirreltail	SIHY	---	---	1-5	---
desert needlegrass	STSP3	---	10-20	---	---
galleta	HIJA	2-8	2-8	---	2-8
muttongrass	POFE	---	---	1-5	---
needleandthread	STCO4	5-15	2-8	---	5-15
other bluegrass	POA++	---	---	1-5	---
globemallow	SPHAE	---	1-4	---	---
Nevada ephedra	EPNE	2-5	2-5	---	2-5
Stansbury cliffrose	COMES	---	---	1-5	---
Wyoming big sagebrush	ARTRW*	---	25-30	---	---
black sagebrush	ARARN	25-35	---	1-5	25-35
bud sagebrush	ARSP5	---	2-5	---	---
fourwing saltbush	ATCA2	1-5	2-5	---	1-5
green ephedra	EPVI	---	---	1-5	---
spiny hopsage	GRSP	---	5-10	---	---
winterfat	EULA5	1-5	2-8	---	1-5
singleleaf pinyon	PIMO	---	---	1-5	---
Range site number		029XY008NV	029XY049NV	029XY069NV	029XY008NV
Potential production (lb/acre):					
Favorable years		700	1100	400	700
Normal years		500	800	300	500
Unfavorable years		250	500	150	250

1492--SLAW-RUSTIGATE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		SLAW	RUSTIGATE	Inclusion 1	Inclusion 2	Inclusion 3
Baltic rush	JUBA	---	1-5	---	---	---
Indian ricegrass	ORHY	2-10	---	---	2-10	15-25
alkali sacaton	SPAI	---	20-40	2-8	---	---
basin wildrye	ELCI2	---	25-35	---	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	2-5	---
inland saltgrass	DISPS2	---	2-10	5-15	---	2-5
needleandthread	STCO4	---	---	---	---	5-10
sand dropseed	SPCR	---	---	---	---	2-10
Parry saltbush	ATPA3	---	---	2-10	---	---
alkali rabbitbrush	CHAL9	---	---	---	---	---
black greasewood	SAVE4	20-35	5-15	50-65	20-35	30-50
bud sagebrush	ARSP5	5-15	---	---	5-15	---
fourwing saltbush	ATCA2	2-5	---	---	2-5	5-15
rabbitbrush	CHRYS9	---	1-5	---	---	---
seepweed	SUAED	---	---	2-5	---	---
shadscale	ATCO	30-50	---	2-10	30-50	2-8
threadleaf rubberrabbitbrush	CHNAC2	---	---	---	---	---
Range site number		029XY024NV	029XY004NV	029XY076NV	029XY024NV	029XY018NV
Potential production (lb/acre):						
Favorable years		700	1600	450	700	450
Normal years		500	1100	250	500	300
Unfavorable years		300	800	100	300	100

1493--SLAW-STARGO-GEER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		SLAW	STARGO	GEER	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	2-10	15-25	40-50	15-25	20-30	50-70	---
bottlebrush squirreltail	SIHY	2-5	2-5	2-5	---	---	---	---
galleta	HIJA	---	2-10	2-8	---	2-8	2-5	---
inland saltgrass	DISPS2	---	---	---	2-5	---	---	---
needleandthread	STCO4	---	---	---	5-10	---	2-5	---
sand dropseed	SPCR	---	---	---	2-10	2-8	5-15	---
globemallow	SPHAE	---	---	1-3	---	1-3	---	---
Bailey greasewood	SAVEB	---	0-10	---	---	---	---	---
Nevada ephedra	EPNE	---	1-5	---	---	---	---	---
black greasewood	SAVE4	20-35	---	---	30-50	---	---	---
bud sagebrush	ARSP5	5-15	5-15	5-15	---	2-8	---	---
fourwing saltbush	ATCA2	2-5	---	1-5	5-15	20-30	15-25	---
shadscale	ATCO	30-50	25-35	---	2-8	---	---	---
spiny hopsage	GRSP	---	---	---	---	2-5	---	---
winterfat	EULA5	---	5-10	25-30	---	10-20	2-8	---
Range site number		029XY024NV	029XY017NV	029XY042NV	029XY018NV	029XY046NV	029XY012NV	none
Potential production (lb/acre):								
Favorable years		700	500	700	450	500	700	
Normal years		500	350	500	300	400	500	
Unfavorable years		300	150	350	100	300	300	

1494--SLAW-GITAKUP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		SLAW	SLAW	GITAKUP	Inclusion 1	Inclusion 2	Inclusion 3
Baltic rush	JUBA	---	---	---	---	---	5-10
Indian ricegrass	ORHY	---	---	---	---	20-30	---
alkali sacaton	SPAI	2-10	---	---	---	---	30-45
basin wildrye	ELCI2	30-45	---	---	---	---	2-5
inland saltgrass	DISPS2	---	2-10	2-10	---	2-5	10-15
western wheatgrass	AGSM	---	---	---	---	---	2-5
Torrey quailbush	ATTO	30-50	---	---	---	---	---
black greasewood	SAVE4	2-10	60-70	60-70	---	30-50	---
fourwing saltbush	ATCA2	2-5	---	---	---	2-5	---
seepweed	SUAED	---	2-8	2-8	---	---	---
shadscale	ATCO	---	2-10	2-10	---	2-5	---
Range site number		027XY041NV	027XY025NV	027XY025NV	none	027XY016NV	027XY005NV
Potential production (lb/acre):							
Favorable years		1500	500	500		500	3000
Normal years		1000	350	350		300	2200
Unfavorable years		600	200	200		150	1000

1495--SLAW-CIRAC-KAWICH ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		SLAW	CIRAC	KAWICH	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	---	---	15-25	---	25-35
alkali sacaton	SPAI	2-8	2-8	---	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	2-5
galleta	HIJA	---	---	---	---	2-8
inland saltgrass	DISPS2	5-15	5-15	2-5	---	---
needleandthread	STCO4	---	---	5-10	---	---
sand dropseed	SPCR	---	---	2-10	---	---
Parry saltbush	ATPA3	2-10	2-10	---	---	---
black greasewood	SAVE4	50-65	50-65	30-50	---	---
fourwing saltbush	ATCA2	---	---	5-15	---	---
seepweed	SUAED	2-5	2-5	---	---	---
shadscale	ATCO	2-10	2-10	2-8	---	---
Range site number		029XY076NV	029XY076NV	029XY018NV	none	029XY087NV
Potential production (lb/acre):						
Favorable years		450	450	450		500
Normal years		250	250	300		350
Unfavorable years		100	100	100		200

1510--ISOLDE-HAWSLEY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		ISOLDE	HAWSLEY	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-30	50-70	5-10	50-70
bottlebrush squirreltail	SIHY	---	---	5-10	---
needleandthread	STCO4	5-15	5-15	---	5-15
Nevada dalea	PSPO	---	0-5	---	0-5
Nevada dalea	PAPO	2-8	---	---	---
Nevada ephedra	EPNE	---	---	5-10	---
burrobrush	HYMEN3	---	---	5-10	---
fourwing saltbush	ATCA2	15-25	10-20	5-10	10-20
hairy horsebrush	TECO2	25-35	---	---	---
littleleaf horsebrush	TEGL	2-5	---	10-20	---
rubber rabbitbrush	CHNA2	---	---	10-20	---
spiny hopsage	GRSP	---	2-5	10-20	2-5
winterfat	EULA5	---	2-8	---	2-8
Range site number		027XY023NV	027XY009NV	027XY022NV	027XY009NV
Potential production (lb/acre):					
Favorable years		700	700	400	700
Normal years		500	450	200	450
Unfavorable years		300	250	50	250

1520--RUSTIGATE LOAM, 0 TO 2 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		RUSTIGATE	Inclusion 1	Inclusion 2	Inclusion 3
Baltic rush	JUBA	---	2-8	---	2-8
Indian ricegrass	ORHY	---	---	15-25	---
alkali cordgrass	SPGR	---	10-15	---	10-15
alkali sacaton	SPAI	15-40	40-50	---	40-50
alkaligrass	PUCCI	---	2-5	---	2-5
basin wildrye	ELCI2	40-60	---	---	---
bluegrass	POA++	---	2-8	---	2-8
bottlebrush squirreltail	SIHY	---	---	2-5	---
inland saltgrass	DISPS2	2-5	2-5	---	2-5
needleandthread	STCO4	---	---	5-10	---
sedge	CAREX	---	5-10	---	5-10
western wheatgrass	AGSM	2-5	---	---	---
scarlet globemallow	SPCO	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	20-35	---
black greasewood	SAVE4	5-15	---	---	---
rubber rabbitbrush	CHNA2	2-5	---	---	---
shadscale	ATCO	---	---	2-5	---
spiny hopsage	GRSP	---	---	5-20	---
Range site number		028BY004NV	028BY002NV	028BY052NV	028BY002NV
Potential production (lb/acre):					
Favorable years		2200	1500	800	1500
Normal years		1500	1000	600	1000
Unfavorable years		800	700	450	700

1530--REBEL SANDY LOAM, 0 TO 2 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		REBEL	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	5-10	---	---	5-10	---
Nevada bluegrass	PONE3	---	5-10	---	---	5-10
alkali sacaton	SPAI	---	---	15-40	---	---
basin wildrye	ELCI2	10-20	70-80	40-60	10-20	70-80
inland saltgrass	DISPS2	---	---	2-5	---	---
thickspike wheatgrass	AGDA	5-10	---	---	5-10	---
western wheatgrass	AGSM	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	25-35	---	---	25-35	---
basin big sagebrush	ARTRT	---	5-10	---	---	5-10
black greasewood	SAVE4	---	---	5-15	---	---
rubber rabbitbrush	CHNA2	---	---	2-5	---	---
Range site number		028BY045NV	028BY003NV	028BY004NV	028BY045NV	028BY003NV
Potential production (lb/acre):						
Favorable years		1000	5000	2200	1000	5000
Normal years		800	2500	1500	800	2500
Unfavorable years		600	1500	800	600	1500

1540--PACKER-SUAK-FOXVIRE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		PACKER	SUAK	FOXVIRE	Inclusion 1	Inclusion 2	Inclusion 3
Columbia needlegrass	STNE3	---	---	---	1-5	1-5	---
Indian ricegrass	ORHY	---	---	---	1-5	1-5	---
Letterman needlegrass	STLE4	20-30	---	10-20	1-5	1-5	---
Sandberg bluegrass	POSE	1-3	---	---	---	---	---
basin wildrye	ELCI2	---	2-10	---	---	---	---
bottlebrush squirreltail	SIHY	---	---	---	1-5	1-5	---
mountain brome	BRCA5	---	---	5-10	---	---	---
muttongrass	POFE	10-20	---	10-15	1-5	1-5	---
needleandthread	STCO4	---	---	---	1-5	1-5	---
needlegrass	STIPA	---	10-15	---	---	---	---
pine needlegrass	STPI2	2-8	---	---	---	---	---
prairie junegrass	KOCR*	2-5	---	---	---	---	---
spike fescue	LEKI2	---	---	2-8	---	---	---
western needlegrass	STOC2	---	---	---	---	---	---
antelope bitterbrush	PUTR2	---	---	---	1-5	1-5	---
green ephedra	EPVI	---	---	1-3	---	---	---
low sagebrush	ARAR8	25-35	---	---	---	---	---
mountain big sagebrush	ARVA2	---	1-5	15-25	1-5	1-5	---
serviceberry	AMELA	---	---	2-5	---	---	---
snowberry	SYMPH	---	1-5	2-8	1-5	1-5	---
curlleaf mountainmahogany	CELE3	---	60-70	---	---	---	---
Range site number		029XY052NV	029XY027NV	029XY051NV	029XY066NV	029XY066NV	none
Potential production (lb/acre):							
Favorable years		700	3000	1300	600	600	
Normal years		450	2400	1100	400	400	
Unfavorable years		300	1700	700	250	250	

1551--SEVENMILE FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		SEVENMILE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	---	10-25	5-15
alkali sacaton	SPAI	---	1-5	---	---
basin wildrye	ELCI2	---	45-65	---	---
bottlebrush squirreltail	SIHY	---	---	---	5-10
creeping wildrye	ELTR3	---	5-15	---	---
desert needlegrass	STSP3	---	---	10-20	---
galleta	HIJA	---	---	2-8	---
needleandthread	STCO4	---	---	2-8	---
western wheatgrass	AGSM	---	5-15	---	---
globemallow	SPHAE	---	---	1-4	---
Nevada ephedra	EPNE	---	---	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	25-30	---
basin big sagebrush	ARTRT*	---	5-10	---	---
bud sagebrush	ARSP5	---	---	2-5	2-8
fourwing saltbush	ATCA2	---	---	2-5	---
spiny hopsage	GRSP	---	---	5-10	---
winterfat	EULA5	---	---	2-8	60-70
Range site number		029XY114NV	029XY003NV	029XY049NV	029XY020NV
Potential production (lb/acre):					
Favorable years		1000	3000	1100	500
Normal years		800	2000	800	350
Unfavorable years		600	800	500	200

1552--SEVENMILE-MOSIDA-REBEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		SEVENMILE	MOSIDA	REBEL	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	---	5-10	10-20	2-10	15-25
Nevada bluegrass	PONE3	5-10	5-10	---	---	---	---
basin wildrye	ELCI2	70-80	70-80	10-20	---	10-20	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	5-10
desert needlegrass	STSP3	---	---	---	2-10	---	---
needleandthread	STCO4	---	---	---	2-10	---	---
other perennial grasses	PPGG	---	---	---	---	---	2-5
thickspike wheatgrass	AGDA	---	---	5-10	---	---	---
globemallow	SPHAE	---	---	---	---	---	2-5
Nevada ephedra	EPNE	---	---	---	2-8	---	---
Stansbury cliffrose	COMES	---	---	---	5-10	---	---
Wyoming big sagebrush	ARTRW	---	---	25-35	---	---	---
basin big sagebrush	ARTRT	5-10	5-10	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	20-30	---
black greasewood	SAVE4	---	---	---	---	30-40	---
black sagebrush	ARARN	---	---	---	20-30	---	---
bud sagebrush	ARSP5	---	---	---	---	---	2-8
fourwing saltbush	ATCA2	---	---	---	---	---	2-5
rubber rabbitbrush	CHNA2	---	---	---	---	2-5	---
winterfat	EULA5	---	---	---	---	---	40-50
Range site number		028BY003NV	028BY003NV	028BY045NV	029XY081NV	028BY028NV	028BY013NV
Potential production (lb/acre):							
Favorable years		5000	5000	1000	500	800	700
Normal years		2500	2500	800	350	600	500
Unfavorable years		1500	1500	600	200	400	350

1553--SEVENMILE GRAVELLY LOAM, 2 TO 8 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		SEVENMILE	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	---	---	2-10
Nevada bluegrass	PONE3	---	5-10	---
alkali sacaton	SPAI	1-5	---	---
basin wildrye	ELCI2	45-65	---	10-20
creeping wildrye	ELTR3	5-15	---	---
sedge	CAREX	---	5-10	---
western wheatgrass	AGSM	5-15	---	---
wildrye	ELYMU	---	70-80	---
Wyoming big sagebrush	ARTRW	---	---	---
basin big sagebrush	ARTRT	---	---	---
basin big sagebrush	ARTRT	5-10	---	---
basin big sagebrush	ARTRT*			
big sagebrush	ARTR2	---	---	20-30
black greasewood	SAVE4	---	---	30-40
rubber rabbitbrush	CHNA2	---	---	2-5
willow	SALIX	---	5-10	---
Range site number		029XY003NV	028BY081NV	028BY028NV
Potential production (lb/acre):				
Favorable years		3000	3000	800
Normal years		2000	2500	600
Unfavorable years		800	1800	400

1580--KYLER VERY GRAVELLY FINE SANDY LOAM, 15 TO 50 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		KYLER	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-20	---	2-5	---
arid needlegrass	STAR2	---	---	---	---
bottlebrush squirreltail	SIHY	---	---	---	1-5
desert needlegrass	STSP3	---	---	---	---
galleta	HIJA	2-8	---	---	---
muttongrass	POFE	---	---	---	1-5
needleandthread	STCO4	5-15	---	5-15	---
needlegrass	STIPA	---	---	2-8	---
other bluegrass	POA++	---	---	---	1-5
pine needlegrass	STPI2	---	---	---	---
Nevada ephedra	EPNE	2-8	---	---	---
Nevada greasebush	FONE2	---	---	1-3	---
Stansbury cliffrose	COMES	---	---	---	1-5
black sagebrush	ARARN	35-45	---	5-15	1-5
ephedra	EPHED	---	---	2-5	---
green ephedra	EPVI	---	---	---	1-5
littleleaf mountainmahogany	CEIN7	---	---	60-70	---
shadscale	ATCO	1-5	---	---	---
singleleaf pinyon	PIMO	---	---	---	1-5
Range site number		029XY014NV	none	029XY040NV	029XY069NV
Potential production (lb/acre):					
Favorable years		350		600	400
Normal years		200		450	300
Unfavorable years		75		300	150

1620--VININI-STEWVAL-GABBVALLY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		VININI	STEWVAL	GABBVALLY	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	20-35	10-15	---	20-35	5-10	5-10
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-5	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	2-5	---
desert needlegrass	STSP3	---	---	2-8	---	---	2-8	---
galleta	HIJA	2-8	2-8	2-8	---	2-8	5-15	---
needleandthread	STCO4	5-15	5-15	15-25	---	5-15	---	---
Bailey greasewood	SAVEB	---	---	---	---	---	5-15	2-10
Cooper wolfberry	LYCO2	---	---	---	---	---	---	2-5
Nevada ephedra	EPNE	2-5	2-5	---	---	2-5	2-5	2-5
Wyoming big sagebrush	ARTRW*	---	---	30-35	---	---	---	---
black sagebrush	ARARN	25-35	25-35	---	---	25-35	---	---
bud sagebrush	ARSP5	---	---	---	---	---	5-10	---
burrobrush	HYMEN3	---	---	---	---	---	---	5-10
ephedra	EPHED	---	---	2-8	---	---	---	---
fourwing saltbush	ATCA2	1-5	1-5	2-5	---	1-5	---	5-15
green ephedra	EPVI	---	---	---	---	---	---	---
littleleaf horsebrush	TEGL	---	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	---	10-25
shadscale	ATCO	---	---	---	---	---	25-35	---
winterfat	EULA5	1-5	1-5	---	---	1-5	5-10	---
Range site number		029XY008NV	029XY008NV	029XY010NV	none	029XY008NV	029XY022NV	029XY041NV
Potential production (lb/acre):								
Favorable years		700	700	500		700	400	500
Normal years		500	500	350		500	250	300
Unfavorable years		250	250	250		250	100	100

1621--VININI-BEELEM-GABBVALLY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		VININI	BEELEM	GABBVALLY	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-35	10-20	10-15	---	5-10
Sandberg bluegrass	POSE	2-5	---	2-5	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	2-5
desert needlegrass	STSP3	---	2-10	2-8	---	2-8
galleta	HIJA	2-8	---	2-8	---	5-15
needleandthread	STCO4	5-15	2-10	15-25	---	---
Bailey greasewood	SAVEB	---	---	---	---	5-15
Nevada ephedra	EPNE	2-5	2-8	---	---	2-5
Stansbury cliffrose	COMES	---	5-10	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	30-35	---	---
black sagebrush	ARARN	25-35	20-30	---	---	---
bud sagebrush	ARSP5	---	---	---	---	5-10
ephedra	EPHED	---	---	2-8	---	---
fourwing saltbush	ATCA2	1-5	---	2-5	---	---
green ephedra	EPVI	---	---	---	---	---
shadscale	ATCO	---	---	---	---	25-35
winterfat	EULA5	1-5	---	---	---	5-10
Range site number		029XY008NV	029XY081NV	029XY010NV	none	029XY022NV
Potential production (lb/acre):						
Favorable years		700	500	500		400
Normal years		500	350	350		250
Unfavorable years		250	200	250		100

1631--LYX-VEET ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		LYX	VEET	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-30	10-25	15-25	2-10
Sandberg bluegrass	POSE	---	---	---	2-10
bottlebrush squirreltail	SIHY	---	---	2-5	---
desert needlegrass	STSP3	---	10-20	---	---
galleta	HIJA	2-8	2-8	2-10	1-5
needleandthread	STCO4	---	2-8	---	---
sand dropseed	SPCR	2-8	---	---	---
globemallow	SPHAE	1-3	1-4	---	---
Bailey greasewood	SAVEB	---	---	0-10	---
Nevada ephedra	EPNE	---	2-5	1-5	---
Wyoming big sagebrush	ARTRW*	---	25-30	---	---
basin big sagebrush	ARTRT*	---	---	---	---
big sagebrush	ARTR2	---	---	---	25-35
bud sagebrush	ARSP5	2-8	2-5	5-15	---
desert peachbrush	PRFA	---	---	---	10-20
fourwing saltbush	ATCA2	20-30	2-5	---	---
mountain big sagebrush	ARVA2	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	5-15
shadscale	ATCO	---	---	25-35	---
spiny hopsage	GRSP	2-5	5-10	---	---
winterfat	EULA5	10-20	2-8	5-10	---
Range site number		029XY046NV	029XY049NV	029XY017NV	029XY009NV
Potential production (lb/acre):					
Favorable years		500	1100	500	1000
Normal years		400	800	350	700
Unfavorable years		300	500	150	500

1648--ARMESPAN-WHILPHANG-WRANGO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ARMESPAN	WHILPHANG	WRANGO	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	20-35	20-35	10-20	---	2-10
Sandberg bluegrass	POSE	2-5	2-5	2-8	---	---	2-10
bottlebrush squirreltail	SIHY	---	---	2-5	---	---	---
desert needlegrass	STSP3	---	---	---	2-10	---	---
galleta	HIJA	2-8	2-8	---	---	---	1-5
needleandthread	STCO4	5-15	5-15	5-15	2-10	---	---
Nevada ephedra	EPNE	2-5	2-5	---	2-8	---	---
Stansbury cliffrose	COMES	---	---	---	5-10	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
black sagebrush	ARARN	25-35	25-35	25-35	20-30	---	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
downy rabbitbrush	CHVIP4	---	---	2-5	---	---	---
fourwing saltbush	ATCA2	1-5	1-5	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
shadscale	ATCO	---	---	2-5	---	---	---
winterfat	EULA5	1-5	1-5	---	---	---	---
Range site number		029XY008NV	029XY008NV	028BY011NV	029XY081NV	029XY114NV	029XY009NV
Potential production (lb/acre):							
Favorable years		700	700	600	500	1000	1000
Normal years		500	500	450	350	800	700
Unfavorable years		250	250	250	200	600	500

1660--MINNYE-ANNAW-WARDENOT ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		MINNYE	ANNAW	WARDENOT	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-15	25-35	25-35	5-10	40-50	50-70
bottlebrush squirreltail	SIHY	---	2-5	2-5	---	2-5	---
galleta	HIJA	2-8	2-8	2-8	---	2-8	2-5
needleandthread	STCO4	---	---	---	---	---	2-5
sand dropseed	SPCR	---	---	---	---	---	5-15
globemallow	SPHAE	---	---	---	---	1-3	---
Bailey greasewood	SAVEB	5-15	---	---	2-10	---	---
Cooper wolfberry	LYCO2	---	---	---	2-5	---	---
Nevada ephedra	EPNE	2-8	---	---	2-5	---	---
bud sagebrush	ARSP5	2-5	---	---	---	5-15	---
burrobrush	HYMEN3	---	---	---	5-10	---	---
fourwing saltbush	ATCA2	---	---	---	5-15	1-5	15-25
littleleaf horsebrush	TEGL	---	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	---	10-25	---	---
shadscale	ATCO	5-15	---	---	---	---	---
spiny menodora	MESP2	35-45	---	---	---	---	---
winterfat	EULA5	---	---	---	---	25-30	2-8
Range site number		029XY036NV	029XY087NV	029XY087NV	029XY041NV	029XY042NV	029XY012NV
Potential production (lb/acre):							
Favorable years		400	500	500	500	700	700
Normal years		300	350	350	300	500	500
Unfavorable years		100	200	200	100	350	300

1661--MINNYE-CLIFFDOWN-LYX ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		MINNYE	CLIFFDOWN	LYX	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	25-35	40-50	20-30	5-10	5-10	25-35
bottlebrush squirreltail	SIHY	2-5	2-5	---	---	2-5	---
desert needlegrass	STSP3	---	---	---	---	2-8	---
galleta	HIJA	2-8	2-8	2-8	---	5-15	10-15
sand dropseed	SPCR	---	---	2-8	---	---	---
globemallow	SPHAE	---	1-3	1-3	---	---	---
Anderson wolfberry	LYAN	---	---	---	---	---	2-5
Bailey greasewood	SAVEB	---	---	---	2-10	5-15	---
Cooper wolfberry	LYCO2	---	---	---	2-5	---	---
Nevada ephedra	EPNE	---	---	---	2-5	2-5	10-15
bud sagebrush	ARSP5	---	5-15	2-8	---	5-10	2-5
burrobrush	HYMEN3	---	---	---	5-10	---	---
fourwing saltbush	ATCA2	---	1-5	20-30	5-15	---	2-8
littleleaf horsebrush	TEGL	---	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	---	10-25	---	---
shadscale	ATCO	---	---	---	---	25-35	---
spiny hopsage	GRSP	---	---	2-5	---	---	15-30
winterfat	EULA5	---	25-30	10-20	---	5-10	2-5
Range site number		029XY087NV	029XY042NV	029XY046NV	029XY041NV	029XY022NV	029XY016NV
Potential production (lb/acre):							
Favorable years		500	700	500	500	400	1000
Normal years		350	500	400	300	250	700
Unfavorable years		200	350	300	100	100	500

1670--LOGRING-KYLER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		LOGRING	KYLER	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	10-20	---	10-15	2-10	---
Letterman needlegrass	STLE4	---	---	---	---	---	10-20
Sandberg bluegrass	POSE	---	---	---	2-5	2-10	---
bottlebrush squirreltail	SIHY	1-5	---	---	---	---	---
desert needlegrass	STSP3	---	---	---	2-8	---	---
galleta	HIJA	---	2-8	---	2-8	1-5	---
mountain brome	BRCA5	---	---	---	---	---	5-10
muttongrass	POFE	1-5	---	---	---	---	10-15
needleandthread	STCO4	---	5-15	---	15-25	---	---
other bluegrass	POA++	1-5	---	---	---	---	---
spike fescue	LEKI2	---	---	---	---	---	2-8
Nevada ephedra	EPNE	---	2-8	---	---	---	---
Stansbury cliffrose	COMES	1-5	---	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	30-35	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	25-35	---
black sagebrush	ARARN	1-5	35-45	---	---	---	---
desert peachbrush	PRFA	---	---	---	---	10-20	---
ephedra	EPHED	---	---	---	2-8	---	---
fourwing saltbush	ATCA2	---	---	---	2-5	---	---
green ephedra	EPVI	1-5	---	---	---	---	1-3
mountain big sagebrush	ARVA2	---	---	---	---	---	15-25
rubber rabbitbrush	CHNA2	---	---	---	---	5-15	---
serviceberry	AMELA	---	---	---	---	---	2-5
shadscale	ATCO	---	1-5	---	---	---	---
snowberry	SYMPH	---	---	---	---	---	2-8
singleleaf pinyon	PIMO	1-5	---	---	---	---	---
Range site number		029XY069NV	029XY014NV	none	029XY010NV	029XY009NV	029XY051NV
Potential production (lb/acre):							
Favorable years		400	350		500	1000	1300
Normal years		300	200		350	700	1100
Unfavorable years		150	75		250	500	700

1680--URIPNES-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		URIPNES	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	---	5-15	15-25	5-10
Sandberg bluegrass	POSE	---	---	2-8	---	---
Thurber needlegrass	STTH2	---	---	25-35	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	5-10
desert needlegrass	STSP3	40-50	---	---	2-10	---
Anderson wolfberry	LYAN	2-8	---	---	---	---
Nevada ephedra	EPNE	2-10	---	2-5	2-5	5-10
Wyoming big sagebrush	ARTRW	---	---	25-35	---	---
bud sagebrush	ARSP5	---	---	---	2-8	---
burrobrush	HYMEN3	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	---	5-10
littleleaf horsebrush	TEGL	5-15	---	---	---	10-20
prickleleaf	HESH	2-5	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	10-20
shadscale	ATCO	---	---	---	30-40	---
spiny hopsage	GRSP	5-15	---	2-8	---	10-20
winterfat	EULA5	---	---	---	2-8	---
Range site number		027XY047NV	none	027XY007NV	027XY027NV	027XY022NV
Potential production (lb/acre):						
Favorable years		500		700	200	400
Normal years		350		500	100	200
Unfavorable years		200		300	50	50

1681--URIPNES-BUDIHOL-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		URIPNES	BUDIHOL	ROCK OUTCROP	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	---	5-15	---	---	50-70
Sandberg bluegrass	POSE	---	2-8	---	---	---
Thurber needlegrass	STTH2	---	25-35	---	---	---
desert needlegrass	STSP3	40-50	---	---	---	---
needleandthread	STCO4	---	---	---	---	5-15
Anderson wolfberry	LYAN	2-8	---	---	---	---
Nevada dalea	PSPO	---	---	---	---	0-5
Nevada ephedra	EPNE	2-10	2-5	---	---	---
Wyoming big sagebrush	ARTRW	---	25-35	---	---	---
fourwing saltbush	ATCA2	---	---	---	---	10-20
littleleaf horsebrush	TEGL	5-15	---	---	---	---
prickleleaf	HESH	2-5	---	---	---	---
spiny hopsage	GRSP	5-15	2-8	---	---	2-5
winterfat	EULA5	---	---	---	---	2-8
Range site number		027XY047NV	027XY007NV	none	none	027XY009NV
Potential production (lb/acre):						
Favorable years		500	700			700
Normal years		350	500			450
Unfavorable years		200	300			250

1691--GOLDYKE-BLACKTOP-KOYEN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		GOLDYKE	BLACKTOP	KOYEN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	2-5	20-30	25-35	---	2-10
Sandberg bluegrass	POSE	---	---	---	---	---	2-10
bottlebrush squirreltail	SIHY	2-5	---	---	2-5	---	---
desert needlegrass	STSP3	2-8	---	---	---	---	---
galleta	HIJA	5-15	---	2-8	2-8	---	1-5
sand dropseed	SPCR	---	---	2-8	---	---	---
globemallow	SPHAE	---	---	1-3	---	---	---
Bailey greasewood	SAVEB	5-15	5-15	---	---	---	---
Cooper wolfberry	LYCO2	---	1-5	---	---	---	---
Nevada dalea	DAPO2*	---	1-5	---	---	---	---
Nevada ephedra	EPNE	2-5	---	---	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
bud sagebrush	ARSP5	5-10	---	2-8	---	---	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
fourwing saltbush	ATCA2	---	---	20-30	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
shadscale	ATCO	25-35	50-70	---	---	---	---
spiny hopsage	GRSP	---	---	2-5	---	---	---
winterfat	EULA5	5-10	---	10-20	---	---	---
Range site number		029XY022NV	029XY033NV	029XY046NV	029XY087NV	none	029XY009NV
Potential production (lb/acre):							
Favorable years		400	100	500	500		1000
Normal years		250	50	400	350		700
Unfavorable years		100	25	300	200		500

1704--LEO-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		LEO	IZO	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	25-35	5-10	25-35	20-30	2-10
Sandberg bluegrass	POSE	---	---	---	---	2-10
bottlebrush squirreltail	SIHY	---	---	2-5	---	---
galleta	HIJA	10-15	---	2-8	2-8	1-5
sand dropseed	SPCR	---	---	---	2-8	---
globemallow	SPHAE	---	---	---	1-3	---
Anderson wolfberry	LYAN	2-5	---	---	---	---
Bailey greasewood	SAVEB	---	2-10	---	---	---
Cooper wolfberry	LYCO2	---	2-5	---	---	---
Nevada ephedra	EPNE	10-15	2-5	---	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	25-35
bud sagebrush	ARSP5	2-5	---	---	2-8	---
burrobrush	HYMEN3	---	5-10	---	---	---
desert peachbrush	PRFA	---	---	---	---	10-20
fourwing saltbush	ATCA2	2-8	5-15	---	20-30	---
littleleaf horsebrush	TEGL	---	5-10	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	10-25	---	---	5-15
spiny hopsage	GRSP	15-30	---	---	2-5	---
winterfat	EULA5	2-5	---	---	10-20	---
Range site number		029XY016NV	029XY041NV	029XY087NV	029XY046NV	029XY009NV
Potential production (lb/acre):						
Favorable years		1000	500	500	500	1000
Normal years		700	300	350	400	700
Unfavorable years		500	100	200	300	500

1705--LEO-UNSEL-LYX ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		LEO	UNSEL	LYX	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	25-35	15-25	20-30	5-10	40-50	25-35
bottlebrush squirreltail	SIHY	---	2-5	---	---	2-5	2-5
galleta	HIJA	10-15	2-10	2-8	---	2-8	2-8
sand dropseed	SPCR	---	---	2-8	---	---	---
globemallow	SPHAE	---	---	1-3	---	1-3	---
Anderson wolfberry	LYAN	2-5	---	---	---	---	---
Bailey greasewood	SAVEB	---	0-10	---	2-10	---	---
Cooper wolfberry	LYCO2	---	---	---	2-5	---	---
Nevada ephedra	EPNE	10-15	1-5	---	2-5	---	---
bud sagebrush	ARSP5	2-5	5-15	2-8	---	5-15	---
burrobrush	HYMEN3	---	---	---	5-10	---	---
fourwing saltbush	ATCA2	2-8	---	20-30	5-15	1-5	---
littleleaf horsebrush	TEGL	---	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	---	10-25	---	---
shadscale	ATCO	---	25-35	---	---	---	---
spiny hopsage	GRSP	15-30	---	2-5	---	---	---
winterfat	EULA5	2-5	5-10	10-20	---	25-30	---
Range site number		029XY016NV	029XY017NV	029XY046NV	029XY041NV	029XY042NV	029XY087NV
Potential production (lb/acre):							
Favorable years		1000	500	500	500	700	500
Normal years		700	350	400	300	500	350
Unfavorable years		500	150	300	100	350	200

1706--LEO-ZADVAR ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		LEO	ZADVAR	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	25-35	20-35	25-35	20-30	---
Sandberg bluegrass	POSE	---	2-5	---	---	---
bottlebrush squirreltail	SIHY	---	---	2-5	---	---
galleta	HIJA	10-15	2-8	2-8	2-8	---
needleandthread	STCO4	---	5-15	---	---	---
sand dropseed	SPCR	---	---	---	2-8	---
globemallow	SPHAE	---	---	---	1-3	---
Anderson wolfberry	LYAN	2-5	---	---	---	---
Nevada ephedra	EPNE	10-15	2-5	---	---	---
black sagebrush	ARARN	---	25-35	---	---	---
bud sagebrush	ARSP5	2-5	---	---	2-8	---
fourwing saltbush	ATCA2	2-8	1-5	---	20-30	---
spiny hopsage	GRSP	15-30	---	---	2-5	---
winterfat	EULA5	2-5	1-5	---	10-20	---
Range site number		029XY016NV	029XY008NV	029XY087NV	029XY046NV	none
Potential production (lb/acre):						
Favorable years		1000	700	500	500	
Normal years		700	500	350	400	
Unfavorable years		500	250	200	300	

1741--KEEFA-KOYEN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		KEEFA	KOYEN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	20-30	50-70	15-25	2-10
Sandberg bluegrass	POSE	---	---	---	---	2-10
bottlebrush squirreltail	SIHY	2-5	---	---	2-5	---
galleta	HIJA	2-10	2-8	2-5	2-10	1-5
needleandthread	STCO4	---	---	2-5	---	---
sand dropseed	SPCR	---	2-8	5-15	---	---
globemallow	SPHAE	---	1-3	---	---	---
Bailey greasewood	SAVEB	0-10	---	---	0-10	---
Nevada ephedra	EPNE	1-5	---	---	1-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	25-35
bud sagebrush	ARSP5	5-15	2-8	---	5-15	---
desert peachbrush	PRFA	---	---	---	---	10-20
fourwing saltbush	ATCA2	---	20-30	15-25	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	5-15
shadscale	ATCO	25-35	---	---	25-35	---
spiny hopsage	GRSP	---	2-5	---	---	---
winterfat	EULA5	5-10	10-20	2-8	5-10	---
Range site number		029XY017NV	029XY046NV	029XY012NV	029XY017NV	029XY009NV
Potential production (lb/acre):						
Favorable years		500	500	700	500	1000
Normal years		350	400	500	350	700
Unfavorable years		150	300	300	150	500

1751--KOYEN-UNSEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		KOYEN	UNSEL	KOYEN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	15-25	25-35	10-25	40-50	2-10
Sandberg bluegrass	POSE	---	---	---	---	---	2-10
bottlebrush squirreltail	SIHY	---	2-5	---	---	2-5	---
desert needlegrass	STSP3	---	---	---	10-20	---	---
galleta	HIJA	2-8	2-10	10-15	2-8	2-8	1-5
needleandthread	STCO4	---	---	---	2-8	---	---
sand dropseed	SPCR	2-8	---	---	---	---	---
globemallow	SPHAE	1-3	---	---	1-4	1-3	---
Anderson wolfberry	LYAN	---	---	2-5	---	---	---
Bailey greasewood	SAVEB	---	0-10	---	---	---	---
Nevada ephedra	EPNE	---	1-5	10-15	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	25-30	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
bud sagebrush	ARSP5	2-8	5-15	2-5	2-5	5-15	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
fourwing saltbush	ATCA2	20-30	---	2-8	2-5	1-5	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
shadscale	ATCO	---	25-35	---	---	---	---
spiny hopsage	GRSP	2-5	---	15-30	5-10	---	---
winterfat	EULA5	10-20	5-10	2-5	2-8	25-30	---
Range site number		029XY046NV	029XY017NV	029XY016NV	029XY049NV	029XY042NV	029XY009NV
Potential production (lb/acre):							
Favorable years		500	500	1000	1100	700	1000
Normal years		400	350	700	800	500	700
Unfavorable years		300	150	500	500	350	500

1753--KOYEN-STUMBLE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		KOYEN	STUMBLE	KOYEN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	50-70	25-35	15-25	5-10	15-25
bottlebrush squirreltail	SIHY	---	---	---	2-5	---	2-5
galleta	HIJA	2-8	2-5	10-15	2-10	---	2-10
needleandthread	STCO4	---	2-5	---	---	---	---
sand dropseed	SPCR	2-8	5-15	---	---	---	---
globemallow	SPHAE	1-3	---	---	---	---	---
Anderson wolfberry	LYAN	---	---	2-5	---	---	---
Bailey greasewood	SAVEB	---	---	---	0-10	2-10	0-10
Cooper wolfberry	LYCO2	---	---	---	---	2-5	---
Nevada ephedra	EPNE	---	---	10-15	1-5	2-5	1-5
bud sagebrush	ARSP5	2-8	---	2-5	5-15	---	5-15
burrobrush	HYMEN3	---	---	---	---	5-10	---
fourwing saltbush	ATCA2	20-30	15-25	2-8	---	5-15	---
littleleaf horsebrush	TEGL	---	---	---	---	5-10	---
rubber rabbitbrush	CHNA2	---	---	---	---	10-25	---
shadscale	ATCO	---	---	---	25-35	---	25-35
spiny hopsage	GRSP	2-5	---	15-30	---	---	---
winterfat	EULA5	10-20	2-8	2-5	5-10	---	5-10
Range site number		029XY046NV	029XY012NV	029XY016NV	029XY017NV	029XY041NV	029XY017NV
Potential production (lb/acre):							
Favorable years		500	700	1000	500	500	500
Normal years		400	500	700	350	300	350
Unfavorable years		300	300	500	150	100	150

1760--VINDICATOR GRAVELLY SANDY LOAM, 8 TO 30 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		VINDICATOR	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	5-15	5-15	20-35	25-35	---
Sandberg bluegrass	POSE	---	---	2-5	---	---
bottlebrush squirreltail	SIHY	1-3	1-3	---	---	---
desert needlegrass	STSP3	2-5	2-5	---	---	---
galleta	HIJA	5-10	5-10	2-8	10-15	---
needleandthread	STCO4	---	---	5-15	---	---
Anderson wolfberry	LYAN	5-15	5-15	---	2-5	---
Cooper wolfberry	LYCO2	2-5	2-5	---	---	---
Nevada dalea	DAPO2*	5-10	5-10	---	---	---
Nevada ephedra	EPNE	---	---	2-5	10-15	---
black sagebrush	ARARN	---	---	25-35	---	---
bud sagebrush	ARSP5	2-5	2-5	---	2-5	---
fourwing saltbush	ATCA2	---	---	1-5	2-8	---
spiny hopsage	GRSP	5-15	5-15	---	15-30	---
winterfat	EULA5	---	---	1-5	2-5	---
Range site number		029XY021NV	029XY021NV	029XY008NV	029XY016NV	none
Potential production (lb/acre):						
Favorable years		300	300	700	1000	
Normal years		200	200	500	700	
Unfavorable years		100	100	250	500	

1790--HOOPLITE-THEON-OLD CAMP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		HOOPLITE	THEON	OLD CAMP	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	5-15	5-15	5-15	15-25	---
Sandberg bluegrass	POSE	2-8	---	2-8	---	---
Thurber needlegrass	STTH2	30-40	---	25-35	---	---
bottlebrush squirreltail	SIHY	---	2-5	---	---	---
desert needlegrass	STSP3	---	2-8	---	2-10	---
Bailey greasewood	SAVEB	---	15-30	---	---	---
Nevada ephedra	EPNE	---	---	2-5	2-5	---
Wyoming big sagebrush	ARTRW	---	---	25-35	---	---
black sagebrush	ARARN	25-35	---	---	---	---
bud sagebrush	ARSP5	---	2-8	---	2-8	---
shadscale	ATCO	---	15-35	---	30-40	---
spiny hopsage	GRSP	---	---	2-8	---	---
winterfat	EULA5	---	---	---	2-8	---
Range site number		027XY032NV	027XY019NV	027XY007NV	027XY027NV	none
Potential production (lb/acre):						
Favorable years		500	300	700	200	
Normal years		300	175	500	100	
Unfavorable years		200	50	300	50	

1792--HOOPLITE-ROCK OUTCROP ASSOCIATION

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		HOOPLITE	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	X	---	---
Indian ricegrass	ORHY	10-20	---	X	---	5-10	---
Sandberg bluegrass	POSE	2-5	---	---	X	---	---
Thurber needlegrass	STTH2	---	---	X	---	---	---
alkali sacaton	SPAI	---	---	---	---	---	2-5
basin wildrye	ELCI2	---	---	X	X	---	40-60
bluebunch wheatgrass	AGSP	---	---	X	X	---	---
bluegrass	POA++	---	---	X	---	---	2-5
bottlebrush squirreltail	SIHY	2-5	---	X	X	2-5	---
desert needlegrass	STSP3	---	---	---	---	2-8	---
galleta	HIJA	---	---	---	---	5-15	---
muttongrass	POFE	---	---	---	X	---	---
needleandthread	STCO4	10-20	---	---	---	---	---
western wheatgrass	AGSM	---	---	---	---	---	5-10
arrowleaf balsamroot	BASA3	---	---	X	X	---	---
tapertip hawksbeard	CRAC2	---	---	X	X	---	---
Bailey greasewood	SAVEB	---	---	---	---	5-15	---
Nevada ephedra	EPNE	---	---	---	---	2-5	---
Stansbury cliffrose	COMES	---	---	X	---	---	---
antelope bitterbrush	PUTR2	---	---	X	X	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-15
black greasewood	SAVE4	---	---	---	---	---	2-5
black sagebrush	ARARN	35-45	---	X	---	---	---
bud sagebrush	ARSP5	---	---	---	---	5-10	---
curlleaf mountainmahogany	CELE3	---	---	X	X	---	---
mountain big sagebrush	ARVA2	---	---	---	X	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	2-5
serviceberry	AMELA	---	---	X	X	---	---
shadscale	ATCO	2-5	---	---	---	25-35	---
snowberry	SYMPH	---	---	---	X	---	---
winterfat	EULA5	---	---	---	---	5-10	---
Utah juniper	JUOS	---	---	X	X	---	---
singleleaf pinyon	PIMO	---	---	X	X	---	---
Range site number		028BY016NV	none	028BY060NV	028BY058NV	029XY022NV	028BY041NV

Potential production (lb/acre):					
Favorable years	350	500	500	400	1800
Normal years	225	300	300	250	1500
Unfavorable years	100	250	200	100	1100

1800--LYDA-ZADVAR-UNSEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		LYDA	ZADVAR	UNSEL	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	25-35	20-35	25-35	25-35	10-25	20-30	40-50
Sandberg bluegrass	POSE	---	2-5	---	---	---	---	---
bottlebrush squirreltail	SIHY	2-5	---	2-5	2-5	---	---	2-5
desert needlegrass	STSP3	---	---	---	---	10-20	---	---
galleta	HIJA	2-8	2-8	2-8	2-8	2-8	2-8	2-8
needleandthread	STCO4	---	5-15	---	---	2-8	---	---
sand dropseed	SPCR	---	---	---	---	---	2-8	---
globemallow	SPHAE	---	---	---	---	1-4	1-3	1-3
Nevada ephedra	EPNE	---	2-5	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	25-30	---	---
black sagebrush	ARARN	---	25-35	---	---	---	---	---
bud sagebrush	ARSP5	---	---	---	---	2-5	2-8	5-15
fourwing saltbush	ATCA2	---	1-5	---	---	2-5	20-30	1-5
spiny hopsage	GRSP	---	---	---	---	5-10	2-5	---
winterfat	EULA5	---	1-5	---	---	2-8	10-20	25-30
Range site number		029XY087NV	029XY008NV	029XY087NV	029XY087NV	029XY049NV	029XY046NV	029XY042NV
Potential production (lb/acre):								
Favorable years		500	700	500	500	1100	500	700
Normal years		350	500	350	350	800	400	500
Unfavorable years		200	250	200	200	500	300	350

1801--LYDA-LEO-ZADVAR ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		LYDA	LEO	ZADVAR	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	25-35	20-35	20-30	20-35	5-10
Sandberg bluegrass	POSE	---	---	2-5	---	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---	---
desert needlegrass	STSP3	---	---	---	---	2-8	---
galleta	HIJA	2-10	10-15	2-8	2-8	---	---
needleandthread	STCO4	---	---	5-15	---	5-15	---
sand dropseed	SPCR	---	---	---	2-8	---	---
globemallow	SPHAE	---	---	---	1-3	---	---
Anderson wolfberry	LYAN	---	2-5	---	---	---	---
Bailey greasewood	SAVEB	0-10	---	---	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	---	---	2-5
Nevada ephedra	EPNE	1-5	10-15	2-5	---	2-5	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	25-35	---
black sagebrush	ARARN	---	---	25-35	---	---	---
bud sagebrush	ARSP5	5-15	2-5	---	2-8	---	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	2-8	1-5	20-30	2-5	5-15
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
shadscale	ATCO	25-35	---	---	---	---	---
spiny hopsage	GRSP	---	15-30	---	2-5	---	---
winterfat	EULA5	5-10	2-5	1-5	10-20	---	---
Range site number		029XY017NV	029XY016NV	029XY008NV	029XY046NV	029XY006NV	029XY041NV
Potential production (lb/acre):							
Favorable years		500	1000	700	500	800	500
Normal years		350	700	500	400	600	300
Unfavorable years		150	500	250	300	300	100

1802--LYDA-UNSEL-KOYEN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		LYDA	UNSEL	KOYEN	Inclusion 1
Indian ricegrass	ORHY	15-25	15-25	20-30	20-30
bottlebrush squirreltail	SIHY	2-5	2-5	---	---
galleta	HIJA	2-10	2-10	2-8	2-8
sand dropseed	SPCR	---	---	2-8	2-8
globemallow	SPHAE	---	---	1-3	1-3
Bailey greasewood	SAVEB	0-10	0-10	---	---
Nevada ephedra	EPNE	1-5	1-5	---	---
bud sagebrush	ARSP5	5-15	5-15	2-8	2-8
fourwing saltbush	ATCA2	---	---	20-30	20-30
shadscale	ATCO	25-35	25-35	---	---
spiny hopsage	GRSP	---	---	2-5	2-5
winterfat	EULA5	5-10	5-10	10-20	10-20
Range site number		029XY017NV	029XY017NV	029XY046NV	029XY046NV
Potential production (lb/acre):					
Favorable years		500	500	500	500
Normal years		350	350	400	400
Unfavorable years		150	150	300	300

1805--LYDA-UNSEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		LYDA	UNSEL	UNSEL	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	15-25	25-35	15-25	20-35	25-35	5-10	20-30
Sandberg bluegrass	POSE	---	---	---	2-5	---	---	---
bottlebrush squirreltail	SIHY	2-5	2-5	2-5	---	---	---	---
galleta	HIJA	2-10	2-8	2-10	2-8	10-15	---	2-8
needleandthread	STCO4	---	---	---	5-15	---	---	---
sand dropseed	SPCR	---	---	---	---	---	---	2-8
globemallow	SPHAE	---	---	---	---	---	---	1-3
Anderson wolfberry	LYAN	---	---	---	---	2-5	---	---
Bailey greasewood	SAVEB	0-10	---	0-10	---	---	2-10	---
Cooper wolfberry	LYCO2	---	---	---	---	---	2-5	---
Nevada ephedra	EPNE	1-5	---	1-5	2-5	10-15	2-5	---
black sagebrush	ARARN	---	---	---	25-35	---	---	---
bud sagebrush	ARSP5	5-15	---	5-15	---	2-5	---	2-8
burrobrush	HYMEN3	---	---	---	---	---	5-10	---
fourwing saltbush	ATCA2	---	---	---	1-5	2-8	5-15	20-30
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25	---
shadscale	ATCO	25-35	---	25-35	---	---	---	---
spiny hopsage	GRSP	---	---	---	---	15-30	---	2-5
winterfat	EULA5	5-10	---	5-10	1-5	2-5	---	10-20
Range site number		029XY017NV	029XY087NV	029XY017NV	029XY008NV	029XY016NV	029XY041NV	029XY046NV
Potential production (lb/acre):								
Favorable years		500	500	500	700	1000	500	500
Normal years		350	350	350	500	700	300	400
Unfavorable years		150	200	150	250	500	100	300

1820--IZO VERY GRAVELLY SAND, 2 TO 8 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		IZO	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	5-10	2-10	50-70
Sandberg bluegrass	POSE	---	---	2-10	---
galleta	HIJA	---	---	1-5	2-5
needleandthread	STCO4	---	---	---	2-5
sand dropseed	SPCR	---	---	---	5-15
Bailey greasewood	SAVEB	2-10	2-10	---	---
Cooper wolfberry	LYCO2	2-5	2-5	---	---
Nevada ephedra	EPNE	2-5	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---
big sagebrush	ARTR2	---	---	25-35	---
burrobrush	HYMEN3	5-10	5-10	---	---
desert peachbrush	PRFA	---	---	10-20	---
fourwing saltbush	ATCA2	5-15	5-15	---	15-25
littleleaf horsebrush	TEGL	5-10	5-10	---	---
mountain big sagebrush	ARVA2	---	---	---	---
rubber rabbitbrush	CHNA2	10-25	10-25	5-15	---
winterfat	EULA5	---	---	---	2-8
Range site number		029XY041NV	029XY041NV	029XY009NV	029XY012NV
Potential production (lb/acre):					
Favorable years		500	500	1000	700
Normal years		300	300	700	500
Unfavorable years		100	100	500	300

1830--DOWNEYVILLE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		DOWNEYVILLE	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	5-10	---	5-10	5-15	20-30	20-35
Sandberg bluegrass	POSE	---	---	---	---	---	2-5
bottlebrush squirreltail	SIHY	2-5	---	2-5	1-3	---	---
desert needlegrass	STSP3	2-8	---	2-8	2-5	---	---
galleta	HIJA	5-15	---	5-15	5-10	2-8	2-8
needleandthread	STCO4	---	---	---	---	---	5-15
sand dropseed	SPCR	---	---	---	---	2-8	---
globemallow	SPHAE	---	---	---	---	1-3	---
Anderson wolfberry	LYAN	---	---	---	5-15	---	---
Bailey greasewood	SAVEB	5-15	---	5-15	---	---	---
Cooper wolfberry	LYCO2	---	---	---	2-5	---	---
Nevada dalea	DAPO2*	---	---	---	5-10	---	---
Nevada ephedra	EPNE	2-5	---	2-5	---	---	2-5
black sagebrush	ARARN	---	---	---	---	---	25-35
bud sagebrush	ARSP5	5-10	---	5-10	2-5	2-8	---
fourwing saltbush	ATCA2	---	---	---	---	20-30	1-5
shadscale	ATCO	25-35	---	25-35	---	---	---
spiny hopsage	GRSP	---	---	---	5-15	2-5	---
winterfat	EULA5	5-10	---	5-10	---	10-20	1-5
Range site number		029XY022NV	none	029XY022NV	029XY021NV	029XY046NV	029XY008NV
Potential production (lb/acre):							
Favorable years		400		400	300	500	700
Normal years		250		250	200	400	500
Unfavorable years		100		100	100	300	250

1833--DOWNEYVILLE-STEWVAL-BLACKTOP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		DOWNEYVILLE	STEWVAL	BLACKTOP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	20-35	2-5	---	20-35	10-25
Sandberg bluegrass	POSE	---	2-5	---	---	2-5	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---	---
desert needlegrass	STSP3	2-8	---	---	---	---	10-20
galleta	HIJA	5-15	2-8	---	---	2-8	2-8
needleandthread	STCO4	---	5-15	---	---	5-15	2-8
globemallow	SPHAE	---	---	---	---	---	1-4
Bailey greasewood	SAVEB	5-15	---	5-15	---	---	---
Cooper wolfberry	LYCO2	---	---	1-5	---	---	---
Nevada dalea	DAPO2*	---	---	1-5	---	---	---
Nevada ephedra	EPNE	2-5	2-5	---	---	2-5	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	25-30
black sagebrush	ARARN	---	25-35	---	---	25-35	---
bud sagebrush	ARSP5	5-10	---	---	---	---	2-5
fourwing saltbush	ATCA2	---	1-5	---	---	1-5	2-5
shadscale	ATCO	25-35	---	50-70	---	---	---
spiny hopsage	GRSP	---	---	---	---	---	5-10
winterfat	EULA5	5-10	1-5	---	---	1-5	2-8
Range site number		029XY022NV	029XY008NV	029XY033NV	none	029XY008NV	029XY049NV
Potential production (lb/acre):							
Favorable years		400	700	100		700	1100
Normal years		250	500	50		500	800
Unfavorable years		100	250	25		250	500

1834--DOWNEYVILLE-BLACKTOP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		DOWNEYVILLE	BLACKTOP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	2-5	---	20-35	5-10
Sandberg bluegrass	POSE	---	---	---	2-5	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---
desert needlegrass	STSP3	2-8	---	---	---	---
galleta	HIJA	5-15	---	---	2-8	---
needleandthread	STCO4	---	---	---	5-15	---
Bailey greasewood	SAVEB	5-15	5-15	---	---	2-10
Cooper wolfberry	LYCO2	---	1-5	---	---	2-5
Nevada dalea	DAPO2*	---	1-5	---	---	---
Nevada ephedra	EPNE	2-5	---	---	2-5	2-5
black sagebrush	ARARN	---	---	---	25-35	---
bud sagebrush	ARSP5	5-10	---	---	---	---
burrobrush	HYMEN3	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	1-5	5-15
littleleaf horsebrush	TEGL	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	10-25
shadscale	ATCO	25-35	50-70	---	---	---
winterfat	EULA5	5-10	---	---	1-5	---
Range site number		029XY022NV	029XY033NV	none	029XY008NV	029XY041NV
Potential production (lb/acre):						
Favorable years		400	100		700	500
Normal years		250	50		500	300
Unfavorable years		100	25		250	100

1835--DOWNEYVILLE-GOLDYKE-BLACKTOP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		DOWNEYVILLE	GOLDYKE	BLACKTOP	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	2-5	2-5	2-5	---	20-35	2-10	5-10
Sandberg bluegrass	POSE	---	---	---	---	2-5	2-10	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	---	2-5
desert needlegrass	STSP3	5-10	5-10	---	---	---	---	2-8
galleta	HIJA	5-10	5-10	---	---	2-8	1-5	5-15
needleandthread	STCO4	2-8	2-8	---	---	5-15	---	---
Anderson wolfberry	LYAN	5-10	5-10	---	---	---	---	---
Bailey greasewood	SAVEB	5-10	5-10	5-15	---	---	---	5-15
Cooper wolfberry	LYCO2	---	---	1-5	---	---	---	---
Nevada dalea	DAPO2*	---	---	1-5	---	---	---	---
Nevada ephedra	EPNE	2-8	2-8	---	---	2-5	---	2-5
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35	---
black sagebrush	ARARN	---	---	---	---	25-35	---	---
bud sagebrush	ARSP5	2-5	2-5	---	---	---	---	5-10
desert peachbrush	PRFA	---	---	---	---	---	10-20	---
fourwing saltbush	ATCA2	---	---	---	---	1-5	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15	---
shadscale	ATCO	2-5	2-5	50-70	---	---	---	25-35
spiny menodora	MESP2	25-35	25-35	---	---	---	---	---
winterfat	EULA5	2-5	2-5	---	---	1-5	---	5-10
Range site number		029XY037NV	029XY037NV	029XY033NV	none	029XY008NV	029XY009NV	029XY022NV
Potential production (lb/acre):								
Favorable years		300	300	100		700	1000	400
Normal years		200	200	50		500	700	250
Unfavorable years		100	100	25		250	500	100

1840--VEET-CLIFFDOWN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		VEET	CLIFFDOWN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-25	40-50	2-10	20-30	5-10
Sandberg bluegrass	POSE	---	---	2-10	---	---
basin wildrye	ELCI2	---	---	---	---	10-20
bottlebrush squirreltail	SIHY	---	2-5	---	---	---
desert needlegrass	STSP3	10-20	---	---	---	---
galleta	HIJA	2-8	2-8	1-5	2-8	---
needleandthread	STCO4	2-8	---	---	---	---
sand dropseed	SPCR	---	---	---	2-8	---
thickspike wheatgrass	AGDA	---	---	---	---	5-10
globemallow	SPHAE	1-4	1-3	---	1-3	---
Nevada ephedra	EPNE	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	25-35
Wyoming big sagebrush	ARTRW	25-30	---	---	---	25-35
Wyoming big sagebrush	ARTRW*					
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	25-35	---	---
bud sagebrush	ARSP5	2-5	5-15	---	2-8	---
desert peachbrush	PRFA	---	---	10-20	---	---
fourwing saltbush	ATCA2	2-5	1-5	---	20-30	---
mountain big sagebrush	ARVA2	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	5-15	---	---
spiny hopsage	GRSP	5-10	---	---	2-5	---
winterfat	EULA5	2-8	25-30	---	10-20	---
Range site number		029XY049NV	029XY042NV	029XY009NV	029XY046NV	028BY045NV
Potential production (lb/acre):						
Favorable years		1100	700	1000	500	1000
Normal years		800	500	700	400	800
Unfavorable years		500	350	500	300	600

1845--VEET-LEO-MINNYE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		VEET	LEO	MINNYE	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	10-25	25-35	10-15	2-10	40-50
Sandberg bluegrass	POSE	---	---	---	2-10	---
bottlebrush squirreltail	SIHY	---	---	---	---	2-5
desert needlegrass	STSP3	10-20	---	---	---	---
galleta	HIJA	2-8	10-15	2-8	1-5	2-8
needleandthread	STCO4	2-8	---	---	---	---
globemallow	SPHAE	1-4	---	---	---	1-3
Anderson wolfberry	LYAN	---	2-5	---	---	---
Bailey greasewood	SAVEB	---	---	5-15	---	---
Nevada ephedra	EPNE	2-5	10-15	2-8	---	---
Wyoming big sagebrush	ARTRW*	25-30	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	25-35	---
bud sagebrush	ARSP5	2-5	2-5	2-5	---	5-15
desert peachbrush	PRFA	---	---	---	10-20	---
fourwing saltbush	ATCA2	2-5	2-8	---	---	1-5
mountain big sagebrush	ARVA2	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	5-15	---
shadscale	ATCO	---	---	5-15	---	---
spiny hopsage	GRSP	5-10	15-30	---	---	---
spiny menodora	MESP2	---	---	35-45	---	---
winterfat	EULA5	2-8	2-5	---	---	25-30
Range site number		029XY049NV	029XY016NV	029XY036NV	029XY009NV	029XY042NV
Potential production (lb/acre):						
Favorable years		1100	1000	400	1000	700
Normal years		800	700	300	700	500
Unfavorable years		500	500	100	500	350

1851--GARHILL-TOGNONI ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		GARHILL	TOGNONI	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	5-10	---	5-10	5-10
bottlebrush squirreltail	SIHY	2-5	2-5	---	2-5	---
desert needlegrass	STSP3	2-8	2-8	---	2-8	---
galleta	HIJA	5-15	5-15	---	5-15	---
Bailey greasewood	SAVEB	5-15	5-15	---	5-15	2-10
Cooper wolfberry	LYCO2	---	---	---	---	2-5
Nevada ephedra	EPNE	2-5	2-5	---	2-5	2-5
bud sagebrush	ARSP5	5-10	5-10	---	5-10	---
burrobrush	HYMEN3	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	---	5-15
littleleaf horsebrush	TEGL	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	10-25
shadscale	ATCO	25-35	25-35	---	25-35	---
winterfat	EULA5	5-10	5-10	---	5-10	---
Range site number		029XY022NV	029XY022NV	none	029XY022NV	029XY041NV
Potential production (lb/acre):						
Favorable years		400	400		400	500
Normal years		250	250		250	300
Unfavorable years		100	100		100	100

1860--OLD CAMP-COLBAR-ROCK OUTCROP ASSOCIATION

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		OLD CAMP	COLBAR	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	X
Indian ricegrass	ORHY	5-15	5-15	---	5-15	20-35	X
Sandberg bluegrass	POSE	2-8	2-8	---	2-8	2-5	X
Thurber needlegrass	STTH2	25-35	25-35	---	30-40	---	X
bottlebrush squirreltail	SIHY	---	---	---	---	---	X
galleta	HIJA	---	---	---	---	2-8	---
needleandthread	STCO4	---	---	---	---	5-15	---
arrowleaf balsamroot	BASA2	---	---	---	---	---	X
tapertip hawksbeard	CRAC2	---	---	---	---	---	X
Nevada ephedra	EPNE	2-5	2-5	---	---	2-5	---
Wyoming big sagebrush	ARTRW	25-35	25-35	---	---	---	X
black sagebrush	ARARN	---	---	---	25-35	25-35	---
ephedra	EPHED	---	---	---	---	---	X
fourwing saltbush	ATCA2	---	---	---	---	1-5	---
spiny hopsage	GRSP	2-8	2-8	---	---	---	---
winterfat	EULA5	---	---	---	---	1-5	---
Utah juniper	JUOS	---	---	---	---	---	X
singleleaf pinyon	PIMO	---	---	---	---	---	X
Range site number		027XY007NV	027XY007NV	none	027XY032NV	029XY008NV	027XY081NV
Potential production (lb/acre):							
Favorable years		700	700		500	700	500
Normal years		500	500		300	500	300
Unfavorable years		300	300		200	250	200

1891--BLACKTOP-DOWNEYVILLE-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		BLACKTOP	DOWNEYVILLE	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	OREY	2-5	5-10	---	5-10	10-15	25-35
Sandberg bluegrass	POSE	---	---	---	---	2-5	---
bottlebrush squirreltail	SIHY	---	2-5	---	---	---	2-5
desert needlegrass	STSP3	---	2-8	---	---	2-8	---
galleta	HIJA	---	5-15	---	---	2-8	2-8
needleandthread	STCO4	---	---	---	---	15-25	---
Bailey greasewood	SAVEB	5-15	5-15	---	2-10	---	---
Cooper wolfberry	LYCO2	1-5	---	---	2-5	---	---
Nevada dalea	DAPO2*	1-5	---	---	---	---	---
Nevada ephedra	EPNE	---	2-5	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	30-35	---
bud sagebrush	ARSP5	---	5-10	---	---	---	---
burrobrush	HYMEN3	---	---	---	5-10	---	---
ephedra	EPHED	---	---	---	---	2-8	---
fourwing saltbush	ATCA2	---	---	---	5-15	2-5	---
green ephedra	EPVI	---	---	---	---	---	---
littleleaf horsebrush	TEGL	---	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	---	10-25	---	---
shadscale	ATCO	50-70	25-35	---	---	---	---
winterfat	EULA5	---	5-10	---	---	---	---
Range site number		029XY033NV	029XY022NV	none	029XY041NV	029XY010NV	029XY087NV
Potential production (lb/acre):							
Favorable years		100	400		500	500	500
Normal years		50	250		300	350	350
Unfavorable years		25	100		100	250	200

1900--PLAYAS

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions
		Soil name or Inclusion number--
		PLAYAS

Range site number	none

Potential production (lb/acre):
Favorable years
Normal years
Unfavorable years

1901--PLAYAS-SLAW ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		PLAYAS	SLAW	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	---	---	15-25	2-10
alkali sacaton	SPAI	---	2-8	---	---
bottlebrush squirreltail	SIHY	---	---	---	2-5
inland saltgrass	DISPS2	---	5-15	2-5	---
needleandthread	STCO4	---	---	5-10	---
sand dropseed	SPCR	---	---	2-10	---
Parry saltbush	ATPA3	---	2-10	---	---
black greasewood	SAVE4	---	50-65	30-50	20-35
bud sagebrush	ARSP5	---	---	---	5-15
fourwing saltbush	ATCA2	---	---	5-15	2-5
seepweed	SUAED	---	2-5	---	---
shadscale	ATCO	---	2-10	2-8	30-50
Range site number		none	029XY076NV	029XY018NV	029XY024NV
Potential production (lb/acre):					
Favorable years			450	450	700
Normal years			250	300	500
Unfavorable years			100	100	300

1902--SLICKENS

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions
		Soil name or Inclusion number--
		SLICKENS

Range site number none

Potential production (lb/acre):
Favorable years
Normal years
Unfavorable years

1910--YOMBA GRAVELLY FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		YOMBA	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	OREY	15-25	25-35	---	15-25
bottlebrush squirreltail	SIHY	2-5	2-5	---	---
galleta	HIJA	2-10	2-8	---	---
inland saltgrass	DISPS2	---	---	---	2-5
needleandthread	STCO4	---	---	---	5-10
sand dropseed	SPCR	---	---	---	2-10
Bailey greasewood	SAVEB	0-10	---	---	---
Nevada ephedra	EPNE	1-5	---	---	---
black greasewood	SAVE4	---	---	---	30-50
bud sagebrush	ARSP5	5-15	---	---	---
fourwing saltbush	ATCA2	---	---	---	5-15
shadscale	ATCO	25-35	---	---	2-8
winterfat	EULA5	5-10	---	---	---
Range site number		029XY017NV	029XY087NV	none	029XY018NV
Potential production (lb/acre):					
Favorable years		500	500		450
Normal years		350	350		300
Unfavorable years		150	200		100

1911--YOMBA-PLAYAS ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		YOMBA	PLAYAS	YOMBA	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	15-25	---	25-35	25-35	2-10	15-25	2-8
bottlebrush squirreltail	SIHY	2-5	---	2-5	2-5	2-5	2-5	2-5
galleta	HIJA	2-10	---	2-8	2-8	---	2-10	---
Bailey greasewood	SAVEB	0-10	---	---	---	---	0-10	---
Nevada ephedra	EPNE	1-5	---	---	---	---	1-5	---
black greasewood	SAVE4	---	---	---	---	20-35	---	---
bud sagebrush	ARSP5	5-15	---	---	---	5-15	5-15	---
fourwing saltbush	ATCA2	---	---	---	---	2-5	---	---
shadscale	ATCO	25-35	---	---	---	30-50	25-35	70-85
winterfat	EULA5	5-10	---	---	---	---	5-10	---
Range site number		029XY017NV	none	029XY087NV	029XY087NV	029XY024NV	029XY017NV	029XY059NV
Potential production (lb/acre):								
Favorable years		500		500	500	700	500	500
Normal years		350		350	350	500	350	375
Unfavorable years		150		200	200	300	150	200

1930--STONELL-WARDENOT-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		STONELL	WARDENOT	IZO	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	25-35	25-35	5-10	15-25	15-25
bottlebrush squirreltail	SIHY	2-5	2-5	---	2-5	2-5
galleta	HIJA	2-8	2-8	---	2-10	2-10
Bailey greasewood	SAVEB	---	---	2-10	0-10	0-10
Cooper wolfberry	LYCO2	---	---	2-5	---	---
Nevada ephedra	EPNE	---	---	2-5	1-5	1-5
bud sagebrush	ARSP5	---	---	---	5-15	5-15
burrobrush	HYMEN3	---	---	5-10	---	---
fourwing saltbush	ATCA2	---	---	5-15	---	---
littleleaf horsebrush	TEGL	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	---	---
shadscale	ATCO	---	---	---	25-35	25-35
winterfat	EULA5	---	---	---	5-10	5-10
Range site number		029XY087NV	029XY087NV	029XY041NV	029XY017NV	029XY017NV
Potential production (lb/acre):						
Favorable years		500	500	500	500	500
Normal years		350	350	300	350	350
Unfavorable years		200	200	100	150	150

1950--PINTWATER-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		PINTWATER	IZO	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	5-10	5-10	20-35	---
Sandberg bluegrass	POSE	---	---	2-5	---
bottlebrush squirreltail	SIHY	2-5	---	---	---
desert needlegrass	STSP3	2-8	---	---	---
galleta	HIJA	5-15	---	2-8	---
needleandthread	STCO4	---	---	5-15	---
Bailey greasewood	SAVEB	5-15	2-10	---	---
Cooper wolfberry	LYCO2	---	2-5	---	---
Nevada ephedra	EPNE	2-5	2-5	2-5	---
black sagebrush	ARARN	---	---	25-35	---
bud sagebrush	ARSP5	5-10	---	---	---
burrobrush	HYMEN3	---	5-10	---	---
fourwing saltbush	ATCA2	---	5-15	1-5	---
littleleaf horsebrush	TEGL	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	10-25	---	---
shadscale	ATCO	25-35	---	---	---
winterfat	EULA5	5-10	---	1-5	---
Range site number		029XY022NV	029XY041NV	029XY008NV	none
Potential production (lb/acre):					
Favorable years		400	500	700	
Normal years		250	300	500	
Unfavorable years		100	100	250	

1951--PINTWATER-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		PINTWATER	ROCK OUTCROP	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	5-10	---	20-30	50-70
bottlebrush squirreltail	SIHY	2-5	---	---	---
desert needlegrass	STSP3	2-8	---	---	---
galleta	HIJA	5-15	---	2-8	2-5
needleandthread	STCO4	---	---	---	2-5
sand dropseed	SPCR	---	---	2-8	5-15
globemallow	SPHAE	---	---	1-3	---
Bailey greasewood	SAVEB	5-15	---	---	---
Nevada ephedra	EPNE	2-5	---	---	---
bud sagebrush	ARSP5	5-10	---	2-8	---
fourwing saltbush	ATCA2	---	---	20-30	15-25
shadscale	ATCO	25-35	---	---	---
spiny hopsage	GRSP	---	---	2-5	---
winterfat	EULA5	5-10	---	10-20	2-8
Range site number		029XY022NV	none	029XY046NV	029XY012NV
Potential production (lb/acre):					
Favorable years		400		500	700
Normal years		250		400	500
Unfavorable years		100		300	300

1953--PINTWATER-TERLCO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		PINTWATER	TERLCO	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	2-5	10-15	2-5	---	20-35	5-10
Sandberg bluegrass	POSE	---	---	---	---	2-5	---
desert needlegrass	STSP3	5-10	---	5-10	---	---	---
galleta	HIJA	5-10	2-8	5-10	---	2-8	---
needleandthread	STCO4	2-8	---	2-8	---	5-15	---
Anderson wolfberry	LYAN	5-10	---	5-10	---	---	---
Bailey greasewood	SAVEB	5-10	5-15	5-10	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	---	---	2-5
Nevada ephedra	EPNE	2-8	2-8	2-8	---	2-5	2-5
black sagebrush	ARARN	---	---	---	---	25-35	---
bud sagebrush	ARSP5	2-5	2-5	2-5	---	---	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	---	1-5	5-15
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
shadscale	ATCO	2-5	5-15	2-5	---	---	---
spiny menodora	MESP2	25-35	35-45	25-35	---	---	---
winterfat	EULA5	2-5	---	2-5	---	1-5	---
Range site number		029XY037NV	029XY036NV	029XY037NV	none	029XY008NV	029XY041NV
Potential production (lb/acre):							
Favorable years		300	400	300		700	500
Normal years		200	300	200		500	300
Unfavorable years		100	100	100		250	100

1954--PINTWATER-WARDENOT-UNSEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		PINTWATER	WARDENOT	UNSEL	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	2-5	10-15	25-35	---	5-10	10-15
bottlebrush squirreltail	SIHY	---	---	2-5	---	---	---
desert needlegrass	STSP3	5-10	---	---	---	---	---
galleta	HIJA	5-10	2-8	2-8	---	---	2-8
needleandthread	STCO4	2-8	---	---	---	---	---
Anderson wolfberry	LYAN	5-10	---	---	---	---	---
Bailey greasewood	SAVEB	5-10	5-15	---	---	2-10	5-15
Cooper wolfberry	LYCO2	---	---	---	---	2-5	---
Nevada ephedra	EPNE	2-8	2-8	---	---	2-5	2-8
bud sagebrush	ARSP5	2-5	2-5	---	---	---	2-5
burrobrush	HYMEN3	---	---	---	---	5-10	---
fourwing saltbush	ATCA2	---	---	---	---	5-15	---
littleleaf horsebrush	TEGL	---	---	---	---	5-10	---
rubber rabbitbrush	CHNA2	---	---	---	---	10-25	---
shadscale	ATCO	2-5	5-15	---	---	---	5-15
spiny menodora	MESP2	25-35	35-45	---	---	---	35-45
winterfat	EULA5	2-5	---	---	---	---	---
Range site number		029XY037NV	029XY036NV	029XY087NV	none	029XY041NV	029XY036NV
Potential production (lb/acre):							
Favorable years		300	400	500		500	400
Normal years		200	300	350		300	300
Unfavorable years		100	100	200		100	100

1955--PINTWATER-STUMBLE-DOWNEYVILLE ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		PINTWATER	STUMBLE	DOWNEYVILLE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	50-70	50-70	20-30	20-35	---
Sandberg bluegrass	POSE	---	---	---	---	2-5	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---	---
desert needlegrass	STSP3	2-8	---	---	---	---	---
galleta	HIJA	5-15	2-5	2-5	2-8	2-8	---
needleandthread	STCO4	---	2-5	2-5	---	5-15	---
sand dropseed	SPCR	---	5-15	5-15	2-8	---	---
globemallow	SPHAE	---	---	---	1-3	---	---
Bailey greasewood	SAVEB	5-15	---	---	---	---	---
Nevada ephedra	EPNE	2-5	---	---	---	2-5	---
black sagebrush	ARARN	---	---	---	---	25-35	---
bud sagebrush	ARSP5	5-10	---	---	2-8	---	---
fourwing saltbush	ATCA2	---	15-25	15-25	20-30	1-5	---
shadscale	ATCO	25-35	---	---	---	---	---
spiny hopsage	GRSP	---	---	---	2-5	---	---
winterfat	EULA5	5-10	2-8	2-8	10-20	1-5	---
Range site number		029XY022NV	029XY012NV	029XY012NV	029XY046NV	029XY008NV	none
Potential production (lb/acre):							
Favorable years		400	700	700	500	700	
Normal years		250	500	500	400	500	
Unfavorable years		100	300	300	300	250	

1970--LINOYER-REBEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		LINOYER	REBEL	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	15-25	5-10	---	20-30
Nevada bluegrass	PONE3	---	---	5-10	---
Sandberg bluegrass	POSE	---	---	---	2-5
basin wildrye	ELCI2	---	10-20	70-80	---
bottlebrush squirreltail	SIHY	5-10	---	---	2-8
needleandthread	STCO4	---	---	---	10-20
other perennial grasses	PPGG	2-5	---	---	---
thickspike wheatgrass	AGDA	---	5-10	---	---
globemallow	SPHAE	2-5	---	---	---
Wyoming big sagebrush	ARTRW	---	25-35	---	25-35
basin big sagebrush	ARTRT	---	---	5-10	---
bud sagebrush	ARSP5	2-8	---	---	---
fourwing saltbush	ATCA2	2-5	---	---	---
rabbitbrush	CHRSY9	---	---	---	2-5
winterfat	EULA5	40-50	---	---	---
Range site number		028BY013NV	028BY045NV	028BY003NV	028BY010NV
Potential production (lb/acre):					
Favorable years		700	1000	5000	800
Normal years		500	800	2500	600
Unfavorable years		350	600	1500	400

1990--TOGNONI-BLACKTOP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		TOGNONI	TOGNONI	BLACKTOP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	5-10	2-5	15-25	---	5-10
bottlebrush squirreltail	SIHY	2-5	2-5	---	2-5	---	---
desert needlegrass	STSP3	2-8	2-8	---	---	---	---
galleta	HIJA	5-15	5-15	---	2-10	---	---
Bailey greasewood	SAVEB	5-15	5-15	5-15	0-10	---	2-10
Cooper wolfberry	LYCO2	---	---	1-5	---	---	2-5
Nevada dalea	DAPO2*	---	---	1-5	---	---	---
Nevada ephedra	EPNE	2-5	2-5	---	1-5	---	2-5
bud sagebrush	ARSP5	5-10	5-10	---	5-15	---	---
burrobrush	HYMEN3	---	---	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	---	---	5-15
littleleaf horsebrush	TEGL	---	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	---	10-25
shadscale	ATCO	25-35	25-35	50-70	25-35	---	---
winterfat	EULA5	5-10	5-10	---	5-10	---	---
Range site number		029XY022NV	029XY022NV	029XY033NV	029XY017NV	none	029XY041NV
Potential production (lb/acre):							
Favorable years		400	400	100	500		500
Normal years		250	250	50	350		300
Unfavorable years		100	100	25	150		100

2040--SILVERBOW-ROCK OUTCROP COMPLEX, 8 TO 30 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		SILVERBOW	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-15	---	5-10	2-10	2-5
Sandberg bluegrass	POSE	---	---	---	2-10	---
galleta	HIJA	2-8	---	---	1-5	---
Bailey greasewood	SAVEB	5-15	---	2-10	---	5-15
Cooper wolfberry	LYCO2	---	---	2-5	---	1-5
Nevada dalea	DAPO2*	---	---	---	---	1-5
Nevada ephedra	EPNE	2-8	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	25-35	---
bud sagebrush	ARSP5	2-5	---	---	---	---
burrobrush	HYMEN3	---	---	5-10	---	---
desert peachbrush	PRFA	---	---	---	10-20	---
fourwing saltbush	ATCA2	---	---	5-15	---	---
littleleaf horsebrush	TEGL	---	---	5-10	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	5-15	---
shadscale	ATCO	5-15	---	---	---	50-70
spiny menodora	MESP2	35-45	---	---	---	---
Range site number		029XY036NV	none	029XY041NV	029XY009NV	029XY033NV
Potential production (lb/acre):						
Favorable years		400		500	1000	100
Normal years		300		300	700	50
Unfavorable years		100		100	500	25

2080--MAGGIE-PINTWATER-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		MAGGIE	PINTWATER	IZO	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	2-5	2-5	5-10	---	10-15	25-35
desert needlegrass	STSP3	5-10	5-10	---	---	---	---
galleta	HIJA	5-10	5-10	---	---	2-8	10-15
needleandthread	STCO4	2-8	2-8	---	---	---	---
Anderson wolfberry	LYAN	5-10	5-10	---	---	---	2-5
Bailey greasewood	SAVEB	5-10	5-10	2-10	---	5-15	---
Cooper wolfberry	LYCO2	---	---	2-5	---	---	---
Nevada ephedra	EPNE	2-8	2-8	2-5	---	2-8	10-15
bud sagebrush	ARSP5	2-5	2-5	---	---	2-5	2-5
burrobrush	HYMEN3	---	---	5-10	---	---	---
fourwing saltbush	ATCA2	---	---	5-15	---	---	2-8
littleleaf horsebrush	TEGL	---	---	5-10	---	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	---	---	---
shadscale	ATCO	2-5	2-5	---	---	5-15	---
spiny hopsage	GRSP	---	---	---	---	---	15-30
spiny menodora	MESP2	25-35	25-35	---	---	35-45	---
winterfat	EULA5	2-5	2-5	---	---	---	2-5
Range site number		029XY037NV	029XY037NV	029XY041NV	none	029XY036NV	029XY016NV
Potential production (lb/acre):							
Favorable years		300	300	500		400	1000
Normal years		200	200	300		300	700
Unfavorable years		100	100	100		100	500

2081--MAGGIE-STEWVAL-PINTWATER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		MAGGIE	STEWVAL	PINTWATER	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	2-5	20-35	2-5	---	5-10	2-10	25-35
Sandberg bluegrass	POSE	---	2-5	---	---	---	2-10	---
bottlebrush squirreltail	SIHY	---	---	---	---	2-5	---	2-5
desert needlegrass	STSP3	5-10	---	5-10	---	2-8	---	---
galleta	HIJA	5-10	2-8	5-10	---	5-15	1-5	2-8
needleandthread	STCO4	2-8	5-15	2-8	---	---	---	---
Anderson wolfberry	LYAN	5-10	---	5-10	---	---	---	---
Bailey greasewood	SAVEB	5-10	---	5-10	---	5-15	---	---
Nevada ephedra	EPNE	2-8	2-5	2-8	---	2-5	---	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35	---
black sagebrush	ARARN	---	25-35	---	---	---	---	---
bud sagebrush	ARSP5	2-5	---	2-5	---	5-10	---	---
desert peachbrush	PRFA	---	---	---	---	---	10-20	---
fourwing saltbush	ATCA2	---	1-5	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15	---
shadscale	ATCO	2-5	---	2-5	---	25-35	---	---
spiny menodora	MESP2	25-35	---	25-35	---	---	---	---
winterfat	EULA5	2-5	1-5	2-5	---	5-10	---	---
Range site number		029XY037NV	029XY008NV	029XY037NV	none	029XY022NV	029XY009NV	029XY087NV
Potential production (lb/acre):								
Favorable years		300	700	300		400	1000	500
Normal years		200	500	200		250	700	350
Unfavorable years		100	250	100		100	500	200

2100--BLAPPERT-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		BLAPPERT	ROCK OUTCROP	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	5-10	---	10-20	5-10
bottlebrush squirreltail	SIHY	2-5	---	---	---
desert needlegrass	STSP3	2-8	---	---	---
galleta	HIJA	5-15	---	2-8	---
needleandthread	STCO4	---	---	5-15	---
Bailey greasewood	SAVEB	5-15	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	2-5
Nevada ephedra	EPNE	2-5	---	2-8	2-5
black sagebrush	ARARN	---	---	35-45	---
bud sagebrush	ARSP5	5-10	---	---	---
burrobrush	HYMEN3	---	---	---	5-10
fourwing saltbush	ATCA2	---	---	---	5-15
littleleaf horsebrush	TEGL	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	10-25
shadscale	ATCO	25-35	---	1-5	---
winterfat	EULA5	5-10	---	---	---
Range site number		029XY022NV	none	029XY014NV	029XY041NV
Potential production (lb/acre):					
Favorable years		400		350	500
Normal years		250		200	300
Unfavorable years		100		75	100

2110--LUNING-HAWSLEY-BLUEWING ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		LUNING	HAWSLEY	BLUEWING	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	45-60	50-70	5-10	20-30	25-35
bottlebrush squirreltail	SIHY	---	---	5-10	---	2-5
galleta	HIJA	---	---	---	---	2-8
inland saltgrass	DISPS2	---	---	---	2-5	---
needleandthread	STCO4	---	5-15	---	---	---
sand dropseed	SPCR	2-5	---	---	---	---
globemallow	SPHAE	1-3	---	---	---	---
Cooper wolfberry	LYCO2	5-15	---	---	---	---
Nevada dalea	PSPO	---	0-5	---	---	---
Nevada ephedra	EPNE	---	---	5-10	---	---
black greasewood	SAVE4	---	---	---	30-50	---
burrobrush	HYMEN3	---	---	5-10	---	---
fourwing saltbush	ATCA2	20-30	10-20	5-10	2-5	---
littleleaf horsebrush	TEGL	---	---	10-20	---	---
rubber rabbitbrush	CHNA2	---	---	10-20	---	---
shadscale	ATCO	---	---	---	2-5	---
spiny hopsage	GRSP	---	2-5	10-20	---	---
winterfat	EULA5	2-8	2-8	---	---	---
Range site number		027XY060NV	027XY009NV	027XY022NV	027XY016NV	029XY087NV
Potential production (lb/acre):						
Favorable years		450	700	400	500	500
Normal years		250	450	200	300	350
Unfavorable years		100	250	50	150	200

2111--LUNING-IZO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		LUNING	IZO	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	45-60	5-10	50-70	10-25
galleta	HIJA	---	---	2-5	---
needleandthread	STCO4	---	---	2-5	---
sand dropseed	SPCR	2-5	---	5-15	2-5
globemallow	SPHAE	1-3	---	---	---
Bailey greasewood	SAVEB	---	2-10	---	15-25
Cooper wolfberry	LYCO2	5-15	2-5	---	10-20
Nevada ephedra	EPNE	---	2-5	---	---
bud sagebrush	ARSP5	---	---	---	5-15
burrobrush	HYMEN3	---	5-10	---	---
fourwing saltbush	ATCA2	20-30	5-15	15-25	---
littleleaf horsebrush	TEGL	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	10-25	---	---
shadscale	ATCO	---	---	---	20-30
winterfat	EULA5	2-8	---	2-8	---
Range site number		027XY060NV	029XY041NV	029XY012NV	027XY043NV
Potential production (lb/acre):					
Favorable years		450	500	700	350
Normal years		250	300	500	200
Unfavorable years		100	100	300	100

2120--TERT-WHILPHANG-GEER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		TERT	WHILPHANG	GEER	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-20	20-35	40-50	2-5	5-10	20-30
Sandberg bluegrass	POSE	---	2-5	---	---	---	---
bottlebrush squirreltail	SIHY	---	---	2-5	---	---	---
desert needlegrass	STSP3	2-10	---	---	---	---	---
galleta	HIJA	---	2-8	2-8	---	---	---
needleandthread	STCO4	2-10	5-15	---	---	---	5-15
globemallow	SPHAE	---	---	1-3	---	---	---
Bailey greasewood	SAVEB	---	---	---	5-15	2-10	---
Cooper wolfberry	LYCO2	---	---	---	1-5	2-5	---
Nevada dalea	PAPO	---	---	---	---	---	2-8
Nevada dalea	DAPO2*	---	---	---	1-5	---	---
Nevada ephedra	EPNE	2-8	2-5	---	---	2-5	---
Stansbury cliffrose	COMES	5-10	---	---	---	---	---
black sagebrush	ARARN	20-30	25-35	---	---	---	---
bud sagebrush	ARSP5	---	---	5-15	---	---	---
burrobrush	HYMEN3	---	---	---	---	5-10	---
fourwing saltbush	ATCA2	---	1-5	1-5	---	5-15	15-25
hairy horsebrush	TECO2	---	---	---	---	---	25-35
littleleaf horsebrush	TEGL	---	---	---	---	5-10	2-5
rubber rabbitbrush	CHNA2	---	---	---	---	10-25	---
shadscale	ATCO	---	---	---	50-70	---	---
winterfat	EULA5	---	1-5	25-30	---	---	---
Range site number		029XY081NV	029XY008NV	029XY042NV	029XY033NV	029XY041NV	027XY023NV
Potential production (lb/acre):							
Favorable years		500	700	700	100	500	700
Normal years		350	500	500	50	300	500
Unfavorable years		200	250	350	25	100	300

2121--TERT-ROIC ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		TERT	ROIC	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-20	5-10	20-35	40-50	20-30
Sandberg bluegrass	POSE	---	---	2-5	---	---
bottlebrush squirreltail	SIHY	---	2-5	---	2-5	---
desert needlegrass	STSP3	2-10	2-8	---	---	---
galleta	HIJA	---	5-15	2-8	2-8	---
needleandthread	STCO4	2-10	---	5-15	---	5-15
globemallow	SPHAE	---	---	---	1-3	---
Bailey greasewood	SAVEB	---	5-15	---	---	---
Nevada dalea	PAPO	---	---	---	---	2-8
Nevada ephedra	EPNE	2-8	2-5	2-5	---	---
Stansbury cliffrose	COMES	5-10	---	---	---	---
black sagebrush	ARARN	20-30	---	25-35	---	---
bud sagebrush	ARSP5	---	5-10	---	5-15	---
fourwing saltbush	ATCA2	---	---	1-5	1-5	15-25
hairy horsebrush	TECO2	---	---	---	---	25-35
littleleaf horsebrush	TEGL	---	---	---	---	2-5
shadscale	ATCO	---	25-35	---	---	---
winterfat	EULA5	---	5-10	1-5	25-30	---
Range site number		029XY081NV	029XY022NV	029XY008NV	029XY042NV	027XY023NV
Potential production (lb/acre):						
Favorable years		500	400	700	700	700
Normal years		350	250	500	500	500
Unfavorable years		200	100	250	350	300

2130--ROIC-KOYEN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ROIC	KOYEN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	20-30	10-20	25-35	50-70
bottlebrush squirreltail	SIHY	2-5	---	---	2-5	---
desert needlegrass	STSP3	2-8	---	2-10	---	---
galleta	HIJA	5-15	2-8	---	2-8	2-5
needleandthread	STCO4	---	---	2-10	---	2-5
sand dropseed	SPCR	---	2-8	---	---	5-15
globemallow	SPHAE	---	1-3	---	---	---
Bailey greasewood	SAVEB	5-15	---	---	---	---
Nevada ephedra	EPNE	2-5	---	2-8	---	---
Stansbury cliffrose	COMES	---	---	5-10	---	---
black sagebrush	ARARN	---	---	20-30	---	---
bud sagebrush	ARSP5	5-10	2-8	---	---	---
fourwing saltbush	ATCA2	---	20-30	---	---	15-25
shadscale	ATCO	25-35	---	---	---	---
spiny hopsage	GRSP	---	2-5	---	---	---
winterfat	EULA5	5-10	10-20	---	---	2-8
Range site number		029XY022NV	029XY046NV	029XY081NV	029XY087NV	029XY012NV
Potential production (lb/acre):						
Favorable years		400	500	500	500	700
Normal years		250	400	350	350	500
Unfavorable years		100	300	200	200	300

2131--ROIC-VINDICATOR-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ROIC	VINDICATOR	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	2-5	5-15	---	15-25	5-10	---
bottlebrush squirreltail	SIHY	---	1-3	---	2-5	2-5	---
desert needlegrass	STSP3	---	2-5	---	---	2-8	---
galleta	HIJA	---	5-10	---	2-10	5-15	---
Anderson wolfberry	LYAN	---	5-15	---	---	---	---
Bailey greasewood	SAVEB	5-15	---	---	0-10	5-15	---
Cooper wolfberry	LYCO2	1-5	2-5	---	---	---	---
Nevada dalea	DAPO2*	1-5	5-10	---	---	---	---
Nevada ephedra	EPNE	---	---	---	1-5	2-5	---
bud sagebrush	ARSP5	---	2-5	---	5-15	5-10	---
shadscale	ATCO	50-70	---	---	25-35	25-35	---
spiny hopsage	GRSP	---	5-15	---	---	---	---
winterfat	EULA5	---	---	---	5-10	5-10	---
Range site number		029XY033NV	029XY021NV	none	029XY017NV	029XY022NV	none
Potential production (lb/acre):							
Favorable years		100	300		500	400	
Normal years		50	200		350	250	
Unfavorable years		25	100		150	100	

2140--ADVOKAY-BLACKTOP-ITME ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ADVOKAY	BLACKTOP	ITME	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	2-5	15-25	15-25	20-35	---
Sandberg bluegrass	POSE	---	---	---	---	2-5	---
bottlebrush squirreltail	SIHY	2-5	---	2-5	2-5	---	---
galleta	HIJA	2-10	---	2-10	2-10	2-8	---
needleandthread	STCO4	---	---	---	---	5-15	---
Bailey greasewood	SAVEB	0-10	5-15	0-10	0-10	---	---
Cooper wolfberry	LYCO2	---	1-5	---	---	---	---
Nevada dalea	DAPO2*	---	1-5	---	---	---	---
Nevada ephedra	EPNE	1-5	---	1-5	1-5	2-5	---
black sagebrush	ARARN	---	---	---	---	25-35	---
bud sagebrush	ARSP5	5-15	---	5-15	5-15	---	---
fourwing saltbush	ATCA2	---	---	---	---	1-5	---
shadscale	ATCO	25-35	50-70	25-35	25-35	---	---
winterfat	EULA5	5-10	---	5-10	5-10	1-5	---
Range site number		029XY017NV	029XY033NV	029XY017NV	029XY017NV	029XY008NV	none
Potential production (lb/acre):							
Favorable years		500	100	500	500	700	
Normal years		350	50	350	350	500	
Unfavorable years		150	25	150	150	250	

2141--ADVOKAY-BLACKTOP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ADVOKAY	BLACKTOP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-25	2-5	5-10	25-35	50-70
bottlebrush squirreltail	SIHY	2-5	---	---	2-5	---
galleta	HIJA	2-10	---	---	2-8	2-5
needleandthread	STCO4	---	---	---	---	2-5
sand dropseed	SPCR	---	---	---	---	5-15
Bailey greasewood	SAVEB	0-10	5-15	2-10	---	---
Cooper wolfberry	LYCO2	---	1-5	2-5	---	---
Nevada dalea	DAPO2*	---	1-5	---	---	---
Nevada ephedra	EPNE	1-5	---	2-5	---	---
bud sagebrush	ARSP5	5-15	---	---	---	---
burrobrush	HYMEN3	---	---	5-10	---	---
fourwing saltbush	ATCA2	---	---	5-15	---	15-25
littleleaf horsebrush	TEGL	---	---	5-10	---	---
rubber rabbitbrush	CHNA2	---	---	10-25	---	---
shadscale	ATCO	25-35	50-70	---	---	---
winterfat	EULA5	5-10	---	---	---	2-8
Range site number		029XY017NV	029XY033NV	029XY041NV	029XY087NV	029XY012NV
Potential production (lb/acre):						
Favorable years		500	100	500	500	700
Normal years		350	50	300	350	500
Unfavorable years		150	25	100	200	300

2150--GYNELLE VERY GRAVELLY LOAMY SAND, 0 TO 4 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		GYNELLE	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	5-10	5-10	---	20-30
bottlebrush squirreltail	SIHY	2-5	2-5	---	---
inland saltgrass	DISPS2	---	---	2-10	2-5
Bailey greasewood	SAVEB	2-8	2-8	---	---
Cooper wolfberry	LYCO2	5-15	5-15	---	---
black greasewood	SAVE4	30-40	30-40	60-70	30-50
fourwing saltbush	ATCA2	---	---	---	2-5
seepweed	SUAED	---	---	2-8	---
shadscale	ATCO	10-20	10-20	2-10	2-5
Range site number		027XY036NV	027XY036NV	027XY025NV	027XY016NV
Potential production (lb/acre):					
Favorable years		200	200	500	500
Normal years		100	100	350	300
Unfavorable years		50	50	200	150

2170--LATHROP-LEO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		LATHROP	LEO	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-15	20-30	15-25	5-10	---
bottlebrush squirreltail	SIHY	---	---	2-5	---	---
galleta	HIJA	2-8	2-8	2-10	---	---
sand dropseed	SPCR	---	2-8	---	---	---
globemallow	SPHAE	---	1-3	---	---	---
Bailey greasewood	SAVEB	5-15	---	0-10	2-10	---
Cooper wolfberry	LYCO2	---	---	---	2-5	---
Nevada ephedra	EPNE	2-8	---	1-5	2-5	---
bud sagebrush	ARSP5	2-5	2-8	5-15	---	---
burrobrush	HYMEN3	---	---	---	5-10	---
fourwing saltbush	ATCA2	---	20-30	---	5-15	---
littleleaf horsebrush	TEGL	---	---	---	5-10	---
rubber rabbitbrush	CHNA2	---	---	---	10-25	---
shadscale	ATCO	5-15	---	25-35	---	---
spiny hopsage	GRSP	---	2-5	---	---	---
spiny menodora	MESP2	35-45	---	---	---	---
winterfat	EULA5	---	10-20	5-10	---	---
Range site number		029XY036NV	029XY046NV	029XY017NV	029XY041NV	none
Potential production (lb/acre):						
Favorable years		400	500	500	500	
Normal years		300	400	350	300	
Unfavorable years		100	300	150	100	

2180--ARMOINE-BEELEM ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ARMOINE	BEELEM	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	10-20	10-20	10-25	20-25	---	2-10
Sandberg bluegrass	POSE	---	---	---	2-5	---	2-10
bottlebrush squirreltail	SIHY	---	---	---	2-5	---	---
desert needlegrass	STSP3	---	2-10	10-20	---	---	---
galleta	HIJA	2-8	---	2-8	---	---	1-5
needleandthread	STCO4	5-15	2-10	2-8	5-15	---	---
globemallow	SPHAE	---	---	1-4	---	---	---
Nevada ephedra	EPNE	2-8	2-8	2-5	2-5	---	---
Stansbury cliffrose	COMES	---	5-10	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	20-30	---	---
Wyoming big sagebrush	ARTRW	---	---	25-30	20-30	---	---
Wyoming big sagebrush	ARTRW*						
basin big sagebrush	ARTRT*	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	25-35
black sagebrush	ARARN	35-45	20-30	---	---	---	---
bud sagebrush	ARSP5	---	---	2-5	---	---	---
desert peachbrush	PRFA	---	---	---	---	---	10-20
fourwing saltbush	ATCA2	---	---	2-5	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	5-15
shadscale	ATCO	1-5	---	---	---	---	---
spiny hopsage	GRSP	---	---	5-10	10-25	---	---
winterfat	EULA5	---	---	2-8	2-5	---	---
Range site number		029XY014NV	029XY081NV	029XY049NV	027XY008NV	none	029XY009NV
Potential production (lb/acre):							
Favorable years		350	500	1100	700		1000
Normal years		200	350	800	500		700
Unfavorable years		75	200	500	300		500

2181--ARMOINE-ROCK OUTCROP ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ARMOINE	ROCK OUTCROP	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-20	---	20-35	20-35	2-10
Sandberg bluegrass	POSE	---	---	2-5	2-5	2-10
galleta	HIJA	2-8	---	2-8	2-8	1-5
needleandthread	STCO4	5-15	---	5-15	5-15	---
Nevada ephedra	EPNE	2-8	---	2-5	2-5	---
Wyoming big sagebrush	ARTRW*	---	---	---	---	---
basin big sagebrush	ARTRT*	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	25-35
black sagebrush	ARARN	35-45	---	25-35	25-35	---
desert peachbrush	PRFA	---	---	---	---	10-20
fourwing saltbush	ATCA2	---	---	1-5	1-5	---
mountain big sagebrush	ARVA2	---	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	5-15
shadscale	ATCO	1-5	---	---	---	---
winterfat	EULA5	---	---	1-5	1-5	---
Range site number		029XY014NV	none	029XY008NV	029XY008NV	029XY009NV
Potential production (lb/acre):						
Favorable years		350		700	700	1000
Normal years		200		500	500	700
Unfavorable years		75		250	250	500

2220--ENKO-OROVADA ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ENKO	OROVADA	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-30	20-30	5-10	5-10	15-25	---
Nevada bluegrass	PONE3	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	2-5	---	---	---	---
basin wildrye	ELCI2	---	---	---	10-20	---	70-80
bottlebrush squirreltail	SIHY	2-8	2-8	2-8	---	5-10	---
needleandthread	STCO4	10-20	10-20	---	---	---	---
other perennial grasses	PPGG	---	---	---	---	2-5	---
thickspike wheatgrass	AGDA	---	---	---	5-10	---	---
globemallow	SPHAE	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	25-35	25-35	---	25-35	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10
bud sagebrush	ARSP5	---	---	---	---	2-8	---
fourwing saltbush	ATCA2	---	---	---	---	2-5	---
rabbitbrush	CHRSY9	2-5	2-5	---	---	---	---
winterfat	EULA5	---	---	60-70	---	40-50	---
Range site number		028BY010NV	028BY010NV	028BY018NV	028BY045NV	028BY013NV	028BY003NV
Potential production (lb/acre):							
Favorable years		800	800	500	1000	700	5000
Normal years		600	600	350	800	500	2500
Unfavorable years		400	400	200	600	350	1500

2230--ROTINOM-WHOLAN ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ROTINOM	WHOLAN	WHOLAN	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	10-20	15-25	2-8	---	---	2-10
basin wildrye	ELCI2	---	---	---	10-20	10-20	10-20
bottlebrush squirreltail	SIHY	5-15	5-10	2-5	2-5	2-5	---
inland saltgrass	DISPS2	---	---	---	2-10	2-10	---
other perennial grasses	PPGG	---	2-5	---	---	---	---
western wheatgrass	AGSM	---	---	5-15	---	---	---
globemallow	SPHAE	---	2-5	---	---	---	---
thelypody	THELY	---	---	---	1-2	1-2	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	20-30
black greasewood	SAVE4	---	---	---	50-60	50-60	30-40
bud sagebrush	ARSP5	10-25	2-8	---	---	---	---
fourwing saltbush	ATCA2	---	2-5	---	---	---	---
rubber rabbitbrush	CHNA2	---	---	---	---	---	2-5
shadscale	ATCO	40-50	---	2-5	---	---	---
sickle saltbush	ATFA	---	---	55-65	---	---	---
winterfat	EULA5	---	40-50	5-15	---	---	---
Range site number		028BY017NV	028BY013NV	028BY047NV	028BY069NV	028BY069NV	028BY028NV
Potential production (lb/acre):							
Favorable years		400	700	500	800	800	800
Normal years		300	500	350	600	600	600
Unfavorable years		200	350	200	400	400	400

2240--UNIUS-OROVADA ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		UNIUS	OROVADA	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	20-30	20-30	5-10	15-25
Sandberg bluegrass	POSE	2-8	2-5	2-5	---	---
basin wildrye	ELCI2	---	---	---	10-20	---
bottlebrush squirreltail	SIHY	2-5	2-8	2-8	---	5-10
needleandthread	STCO4	5-15	10-20	10-20	---	---
other perennial grasses	PPGG	---	---	---	---	2-5
thickspike wheatgrass	AGDA	---	---	---	5-10	---
globemallow	SPHAE	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	25-35	25-35	25-35	---
black sagebrush	ARARN	25-35	---	---	---	---
bud sagebrush	ARSP5	---	---	---	---	2-8
downy rabbitbrush	CHVIP4	2-5	---	---	---	---
fourwing saltbush	ATCA2	---	---	---	---	2-5
rabbitbrush	CHRSY9	---	2-5	2-5	---	---
shadscale	ATCO	2-5	---	---	---	---
winterfat	EULA5	---	---	---	---	40-50
Range site number		028BY011NV	028BY010NV	028BY010NV	028BY045NV	028BY013NV
Potential production (lb/acre):						
Favorable years		600	800	800	1000	700
Normal years		450	600	600	800	500
Unfavorable years		250	400	400	600	350

2241--UNIUS-DEFLER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		UNIUS	DEFLER	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-35	15-25	5-10	10-20	5-10	15-25
Sandberg bluegrass	POSE	2-8	---	---	---	---	---
basin wildrye	ELCI2	---	---	10-20	---	10-20	---
bottlebrush squirreltail	SIHY	2-5	5-10	---	5-15	---	2-5
galleta	HIJA	---	---	---	---	---	2-10
needleandthread	STCO4	5-15	---	---	---	---	---
other perennial grasses	PPGG	---	2-5	---	---	---	---
thickspike wheatgrass	AGDA	---	---	5-10	---	5-10	---
globemallow	SPHAE	---	2-5	---	---	---	---
Bailey greasewood	SAVEB	---	---	---	---	---	0-10
Nevada ephedra	EPNE	---	---	---	---	---	1-5
Wyoming big sagebrush	ARTRW	---	---	25-35	---	25-35	---
black sagebrush	ARARN	25-35	---	---	---	---	---
bud sagebrush	ARSP5	---	2-8	---	10-25	---	5-15
downy rabbitbrush	CHVIP4	2-5	---	---	---	---	---
fourwing saltbush	ATCA2	---	2-5	---	---	---	---
shadscale	ATCO	2-5	---	---	40-50	---	25-35
winterfat	EULA5	---	40-50	---	---	---	5-10
Range site number		028BY011NV	028BY013NV	028BY045NV	028BY017NV	028BY045NV	029XY017NV
Potential production (lb/acre):							
Favorable years		600	700	1000	400	1000	500
Normal years		450	500	800	300	800	350
Unfavorable years		250	350	600	200	600	150

2250--MUNI-OROVADA-UNIUS ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		MUNI	OROVADA	UNIUS	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	20-30	20-35	20-30	20-35	15-25
Sandberg bluegrass	POSE	2-5	2-5	2-8	2-5	2-5	---
bottlebrush squirreltail	SIHY	2-8	2-8	2-5	2-8	---	5-10
galleta	HIJA	---	---	---	---	2-8	---
needleandthread	STCO4	10-20	10-20	5-15	10-20	5-15	---
other perennial grasses	PPGG	---	---	---	---	---	2-5
globemallow	SPHAE	---	---	---	---	---	2-5
Nevada ephedra	EPNE	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	25-35	25-35	---	25-35	---	---
black sagebrush	ARARN	---	---	25-35	---	25-35	---
bud sagebrush	ARSP5	---	---	---	---	---	2-8
downy rabbitbrush	CHVIP4	---	---	2-5	---	---	---
fourwing saltbush	ATCA2	---	---	---	---	1-5	2-5
rabbitbrush	CHRSY9	2-5	2-5	---	2-5	---	---
shadscale	ATCO	---	---	2-5	---	---	---
winterfat	EULA5	---	---	---	---	1-5	40-50
Range site number		028BY010NV	028BY010NV	028BY011NV	028BY010NV	029XY008NV	028BY013NV
Potential production (lb/acre):							
Favorable years		800	800	600	800	700	700
Normal years		600	600	450	600	500	500
Unfavorable years		400	400	250	400	250	350

2252--MUNI-ALLEY-REBEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		MUNI	ALLEY	REBEL	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-30	20-30	5-10	20-35	10-25	15-25	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	2-5	---	2-8	---	---	---
basin wildrye	ELCI2	---	---	10-20	---	---	---	70-80
bottlebrush squirreltail	SIHY	2-8	2-8	---	2-5	---	5-10	---
desert needlegrass	STSP3	---	---	---	---	10-20	---	---
galleta	HIJA	---	---	---	---	2-8	---	---
needleandthread	STCO4	10-20	10-20	---	5-15	2-8	---	---
other perennial grasses	PPGG	---	---	---	---	---	2-5	---
thickspike wheatgrass	AGDA	---	---	5-10	---	---	---	---
globemallow	SPHAE	---	---	---	---	1-4	2-5	---
Nevada ephedra	EPNE	---	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	---	---	---	---
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	---	25-30	---	---
Wyoming big sagebrush	ARTRW*							
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	---	---	---	25-35	---	---	---
bud sagebrush	ARSP5	---	---	---	---	2-5	2-8	---
downy rabbitbrush	CHVIP4	---	---	---	2-5	---	---	---
fourwing saltbush	ATCA2	---	---	---	---	2-5	2-5	---
rabbitbrush	CHRSY9	2-5	2-5	---	---	---	---	---
shadscale	ATCO	---	---	---	2-5	---	---	---
spiny hopsage	GRSP	---	---	---	---	5-10	---	---
winterfat	EULA5	---	---	---	---	2-8	40-50	---

Range site number	028BY010NV	028BY010NV	028BY045NV	028BY011NV	029XY049NV	028BY013NV	028BY003NV
Potential production (lb/acre):							
Favorable years	800	800	1000	600	1100	700	5000
Normal years	600	600	800	450	800	500	2500
Unfavorable years	400	400	600	250	500	350	1500

2271--BUFFARAN-WIELAND ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		BUFFARAN	WIELAND	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	20-30	20-30	20-35	20-35
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-8	2-8
bottlebrush squirreltail	SIHY	2-8	2-8	2-8	2-5	2-5
needleandthread	STCO4	10-20	10-20	10-20	5-15	5-15
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	---	---
black sagebrush	ARARN	---	---	---	25-35	25-35
downy rabbitbrush	CHVIP4	---	---	---	2-5	2-5
rabbitbrush	CHRSY9	2-5	2-5	2-5	---	---
shadscale	ATCO	---	---	---	2-5	2-5
Range site number		028BY010NV	028BY010NV	028BY010NV	028BY011NV	028BY011NV
Potential production (lb/acre):						
Favorable years		800	800	800	600	600
Normal years		600	600	600	450	450
Unfavorable years		400	400	400	250	250

2272--BUFFARAN-PINEVAL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		BUFFARAN	PINEVAL	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	20-30	20-30	20-30	20-35
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-8
bottlebrush squirreltail	SIHY	2-8	2-8	2-8	2-8	2-5
needleandthread	STCO4	10-20	10-20	10-20	10-20	5-15
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	25-35	---
black sagebrush	ARARN	---	---	---	---	25-35
downy rabbitbrush	CHVIP4	---	---	---	---	2-5
rabbitbrush	CHRSY9	2-5	2-5	2-5	2-5	---
shadscale	ATCO	---	---	---	---	2-5
Range site number		028BY010NV	028BY010NV	028BY010NV	028BY010NV	028BY011NV
Potential production (lb/acre):						
Favorable years		800	800	800	800	600
Normal years		600	600	600	600	450
Unfavorable years		400	400	400	400	250

2290--SPASPREY-ALLEY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		SPASPREY	ALLEY	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-30	20-30	5-10	5-10	20-30	20-35
Sandberg bluegrass	POSE	2-5	2-5	---	---	2-5	2-8
basin wildrye	ELCI2	---	---	10-20	10-20	---	---
bottlebrush squirreltail	SIHY	2-8	2-8	---	---	2-5	2-5
needleandthread	STCO4	10-20	10-20	---	---	10-20	5-15
thickspike wheatgrass	AGDA	---	---	5-10	5-10	---	---
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	25-35	25-35	---
black sagebrush	ARARN	---	---	---	---	---	25-35
downy rabbitbrush	CHVIP4	---	---	---	---	---	2-5
rabbitbrush	CHRSY9	2-5	2-5	---	---	---	---
shadscale	ATCO	---	---	---	---	---	2-5
Range site number		028BY010NV	028BY010NV	028BY045NV	028BY045NV	028BY080NV	028BY011NV
Potential production (lb/acre):							
Favorable years		800	800	1000	1000	600	600
Normal years		600	600	800	800	400	450
Unfavorable years		400	400	600	600	200	250

2291--SPASPREY-BUFFARAN-OROVADA ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		SPASPREY	BUFFARAN	OROVADA	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-30	20-30	20-30	5-10	5-10
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---
basin wildrye	ELCI2	---	---	---	10-20	10-20
bottlebrush squirreltail	SIHY	2-8	2-8	2-8	---	---
needleandthread	STCO4	10-20	10-20	10-20	---	---
thickspike wheatgrass	AGDA	---	---	---	5-10	5-10
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	25-35	25-35
rabbitbrush	CHRSY9	2-5	2-5	2-5	---	---
Range site number		028BY010NV	028BY010NV	028BY010NV	028BY045NV	028BY045NV
Potential production (lb/acre):						
Favorable years		800	800	800	1000	1000
Normal years		600	600	600	800	800
Unfavorable years		400	400	400	600	600

2300--KELK-SETTLEMEYER ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		KELK	SETTLEMEYER	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	2-10	---	5-10	---
Nevada bluegrass	PONE3	---	5-10	---	5-10
basin wildrye	ELCI2	10-20	70-80	10-20	---
creeping wildrye	ELTR3	---	---	---	---
sedge	CAREX	---	---	---	5-10
thickspike wheatgrass	AGDA	---	---	5-10	---
wildrye	ELYMU	---	---	---	70-80
Wyoming big sagebrush	ARTRW	---	---	25-35	---
basin big sagebrush	ARTRT	---	5-10	---	---
big sagebrush	ARTR2	20-30	---	---	---
black greasewood	SAVE4	30-40	---	---	---
rubber rabbitbrush	CHNA2	2-5	---	---	---
willow	SALIX	---	---	---	5-10
Range site number		028BY028NV	028BY003NV	028BY045NV	028BY081NV
Potential production (lb/acre):					
Favorable years		800	5000	1000	3000
Normal years		600	2500	800	2500
Unfavorable years		400	1500	600	1800

2320--ROSNEY-KELK ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ROSNEY	KELK	KELK	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	2-10	5-10	---	---	15-25
alkali sacaton	SPAI	---	---	---	2-5	15-40	---
basin wildrye	ELCI2	10-20	10-20	10-20	40-60	40-60	---
bluegrass	POA++	---	---	---	2-5	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---	5-10
inland saltgrass	DISPS2	2-10	---	---	---	2-5	---
other perennial grasses	PPGG	---	---	---	---	---	2-5
thickspike wheatgrass	AGDA	---	---	5-10	---	---	---
western wheatgrass	AGSM	---	---	---	5-10	2-5	---
globemallow	SPHAE	---	---	---	---	---	2-5
thelypody	THELY	1-2	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	25-35	---	---	---
basin big sagebrush	ARTRT	---	---	---	5-15	---	---
big sagebrush	ARTR2	---	20-30	---	---	---	---
black greasewood	SAVE4	50-60	30-40	---	2-5	5-15	---
bud sagebrush	ARSP5	---	---	---	---	---	2-8
fourwing saltbush	ATCA2	---	---	---	---	---	2-5
rubber rabbitbrush	CHNA2	---	2-5	---	2-5	2-5	---
winterfat	EULA5	---	---	---	---	---	40-50
Range site number		028BY069NV	028BY028NV	028BY045NV	028BY041NV	028BY004NV	028BY013NV
Potential production (lb/acre):							
Favorable years		800	800	1000	1800	2200	700
Normal years		600	600	800	1500	1500	500
Unfavorable years		400	400	600	1100	800	350

2321--ROSNEY-DUNPHY-PARANAT ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		ROSNEY	DUNPHY	PARANAT	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Baltic rush	JUBA	---	---	2-8	---	2-5	---	---
Indian ricegrass	ORHY	---	---	---	---	---	2-10	---
alkali bluegrass	POJU	---	---	---	---	2-10	---	---
alkali cordgrass	SPGR	---	---	10-15	---	---	---	---
alkali muhly	MUAS	---	---	---	---	2-5	---	---
alkali sacaton	SPAI	---	15-40	40-50	5-10	2-10	---	---
alkaligrass	PUCCI	---	---	2-5	---	---	---	---
basin wildrye	ELCI2	10-20	40-60	---	2-5	---	10-20	---
bluegrass	POA++	---	---	2-8	---	---	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---	---	---
bulrush	SCIRP	---	---	---	---	---	---	30-50
cattail	TYPHA	---	---	---	---	---	---	20-40
creeping wildrye	ELTR3	---	---	---	---	---	---	---
giantreed	ARDO4	---	---	---	---	---	---	5-10
inland saltgrass	DISPS2	2-10	2-5	2-5	2-8	5-15	---	---
rush	JUNCU	---	---	---	---	---	---	2-8
sedge	CAREX	---	---	5-10	---	10-20	---	2-8
western wheatgrass	AGSM	---	2-5	---	---	35-50	---	---
wildrye	ELYMU	---	---	---	---	5-15	---	---
thelypody	THELY	1-2	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	20-30	---
black greasewood	SAVE4	50-60	5-15	---	60-75	---	30-40	---
rubber rabbitbrush	CHNA2	---	2-5	---	2-5	---	2-5	---
shadscale	ATCO	---	---	---	2-5	---	---	---

Range site number	028BY069NV	028BY004NV	028BY002NV	028BY020NV	028BY012NV	028BY028NV	028BY044NV
Potential production (lb/acre):							
Favorable years	800	2200	1500	500	2000	800	4000
Normal years	600	1500	1000	300	1500	600	2800
Unfavorable years	400	800	700	150	1000	400	2000

2330--CLIFFDOWN-LYX ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		CLIFFDOWN	LYX	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	40-50	20-30	25-35	20-35	5-10
Sandberg bluegrass	POSE	---	---	---	2-5	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	---
galleta	HIJA	2-8	2-8	10-15	2-8	---
needleandthread	STCO4	---	---	---	5-15	---
sand dropseed	SPCR	---	2-8	---	---	---
globemallow	SPHAE	1-3	1-3	---	---	---
Anderson wolfberry	LYAN	---	---	2-5	---	---
Bailey greasewood	SAVEB	---	---	---	---	2-10
Cooper wolfberry	LYCO2	---	---	---	---	2-5
Nevada ephedra	EPNE	---	---	10-15	2-5	2-5
black sagebrush	ARARN	---	---	---	25-35	---
bud sagebrush	ARSP5	5-15	2-8	2-5	---	---
burrobrush	HYMEN3	---	---	---	---	5-10
fourwing saltbush	ATCA2	1-5	20-30	2-8	1-5	5-15
littleleaf horsebrush	TEGL	---	---	---	---	5-10
rubber rabbitbrush	CHNA2	---	---	---	---	10-25
spiny hopsage	GRSP	---	2-5	15-30	---	---
winterfat	EULA5	25-30	10-20	2-5	1-5	---
Range site number		029XY042NV	029XY046NV	029XY016NV	029XY008NV	029XY041NV
Potential production (lb/acre):						
Favorable years		700	500	1000	700	500
Normal years		500	400	700	500	300
Unfavorable years		350	300	500	250	100

2340--ALLEY-PORTMOUNT-REBEL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ALLEY	PORTMOUNT	REBEL	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-30	20-30	5-10	---	5-10
Nevada bluegrass	PONE3	---	---	---	5-10	---
Sandberg bluegrass	POSE	2-5	2-5	---	---	---
basin wildrye	ELCI2	---	---	10-20	70-80	10-20
bottlebrush squirreltail	SIHY	2-8	2-8	---	---	---
needleandthread	STCO4	10-20	10-20	---	---	---
thickspike wheatgrass	AGDA	---	---	5-10	---	5-10
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	---	25-35
basin big sagebrush	ARTRT	---	---	---	5-10	---
rabbitbrush	CHRSY9	2-5	2-5	---	---	---
Range site number		028BY010NV	028BY010NV	028BY045NV	028BY003NV	028BY045NV
Potential production (lb/acre):						
Favorable years		800	800	1000	5000	1000
Normal years		600	600	800	2500	800
Unfavorable years		400	400	600	1500	600

2341--ALLEY-WIFFO-WRANGO ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		ALLEY	WIFFO	WRANGO	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-30	20-30	20-35	20-35	10-20	15-25	20-30
Sandberg bluegrass	POSE	2-5	2-5	2-8	---	---	---	2-5
bottlebrush squirreltail	SIHY	2-8	2-5	2-5	---	5-15	5-10	2-5
desert needlegrass	STSP3	---	---	---	2-8	---	---	---
needleandthread	STCO4	10-20	10-20	5-15	5-15	---	---	10-20
other perennial grasses	PPGG	---	---	---	---	---	2-5	---
globemallow	SPHAE	---	---	---	---	---	2-5	---
Nevada ephedra	EPNE	---	---	---	2-5	---	---	---
Wyoming big sagebrush	ARTRW	25-35	25-35	---	---	---	---	25-35
Wyoming big sagebrush	ARTRW	25-35	25-35	---	25-35	---	---	25-35
Wyoming big sagebrush	ARTRW*							
black sagebrush	ARARN	---	---	25-35	---	---	---	---
bud sagebrush	ARSP5	---	---	---	---	10-25	2-8	---
downy rabbitbrush	CHVIP4	---	---	2-5	---	---	---	---
fourwing saltbush	ATCA2	---	---	---	2-5	---	2-5	---
rabbitbrush	CHRSY9	2-5	---	---	---	---	---	---
shadscale	ATCO	---	---	2-5	---	40-50	---	---
winterfat	EULA5	---	---	---	---	---	40-50	---
Range site number		028BY010NV	028BY080NV	028BY011NV	029XY006NV	028BY017NV	028BY013NV	028BY080NV
Potential production (lb/acre):								
Favorable years		800	600	600	800	400	700	600
Normal years		600	400	450	600	300	500	400
Unfavorable years		400	200	250	300	200	350	200

2342--ALLEY-KELK ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ALLEY	KELK	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	5-10	5-10	20-30	---
Nevada bluegrass	PONE3	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	---	---	2-5	---
basin wildrye	ELCI2	---	10-20	10-20	---	70-80
bottlebrush squirreltail	SIHY	2-8	---	---	2-8	---
needleandthread	STCO4	10-20	---	---	10-20	---
thickspike wheatgrass	AGDA	---	5-10	5-10	---	---
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	25-35	---
basin big sagebrush	ARTRT	---	---	---	---	5-10
rabbitbrush	CHRSY9	2-5	---	---	2-5	---
Range site number		028BY010NV	028BY045NV	028BY045NV	028BY010NV	028BY003NV
Potential production (lb/acre):						
Favorable years		800	1000	1000	800	5000
Normal years		600	800	800	600	2500
Unfavorable years		400	600	600	400	1500

2343--ALLEY-PINEVAL-PORTMOUNT ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		ALLEY	PINEVAL	PORTMOUNT	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-30	20-30	20-30	5-10	10-20	20-30	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	2-5	---
basin wildrye	ELCI2	---	---	---	10-20	---	---	70-80
bottlebrush squirreltail	SIHY	2-8	2-8	2-8	---	5-15	2-5	---
needleandthread	STCO4	10-20	10-20	10-20	---	---	10-20	---
thickspike wheatgrass	AGDA	---	---	---	5-10	---	---	---
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	25-35	---	25-35	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
bud sagebrush	ARSP5	---	---	---	---	10-25	---	---
rabbitbrush	CHRSY9	2-5	2-5	2-5	---	---	---	---
shadscale	ATCO	---	---	---	---	40-50	---	---
Range site number		028BY010NV	028BY010NV	028BY010NV	028BY045NV	028BY017NV	028BY080NV	028BY003NV
Potential production (lb/acre):								
Favorable years		800	800	800	1000	400	600	5000
Normal years		600	600	600	800	300	400	2500
Unfavorable years		400	400	400	600	200	200	1500

2344--ALLEY-BUFFARAN-SPASPREY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		ALLEY	BUFFARAN	SPASPREY	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-30	20-30	20-30	5-10	---	20-30	20-30
Nevada bluegrass	PONE3	---	---	---	---	5-10	---	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	2-5	2-5
basin wildrye	ELCI2	---	---	---	10-20	70-80	---	---
bottlebrush squirreltail	SIHY	2-8	2-8	2-8	---	---	2-5	2-8
needleandthread	STCO4	10-20	10-20	10-20	---	---	10-20	10-20
thickspike wheatgrass	AGDA	---	---	---	5-10	---	---	---
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	25-35	---	25-35	25-35
basin big sagebrush	ARTRT	---	---	---	---	5-10	---	---
rabbitbrush	CHRSY9	2-5	2-5	2-5	---	---	---	2-5
Range site number		028BY010NV	028BY010NV	028BY010NV	028BY045NV	028BY003NV	028BY080NV	028BY010NV
Potential production (lb/acre):								
Favorable years		800	800	800	1000	5000	600	800
Normal years		600	600	600	800	2500	400	600
Unfavorable years		400	400	400	600	1500	200	400

2345--ALLEY-WIELAND-PINEVAL ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		ALLEY	WIELAND	PINEVAL	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-30	20-30	20-30	20-30	5-10	20-35	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---	2-8	---
basin wildrye	ELCI2	---	---	---	---	10-20	---	70-80
bottlebrush squirreltail	SIHY	2-8	2-8	2-8	2-5	---	2-5	---
needleandthread	STCO4	10-20	10-20	10-20	10-20	---	5-15	---
thickspike wheatgrass	AGDA	---	---	---	---	5-10	---	---
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	25-35	25-35	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	---	---	---	---	---	25-35	---
downy rabbitbrush	CHVIP4	---	---	---	---	---	2-5	---
rabbitbrush	CHRSY9	2-5	2-5	2-5	---	---	---	---
shadscale	ATCO	---	---	---	---	---	2-5	---
Range site number		028BY010NV	028BY010NV	028BY010NV	028BY080NV	028BY045NV	028BY011NV	028BY003NV
Potential production (lb/acre):								
Favorable years		800	800	800	600	1000	600	5000
Normal years		600	600	600	400	800	450	2500
Unfavorable years		400	400	400	200	600	250	1500

2360--DEWAR-ALLEY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		DEWAR	ALLEY	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-30	20-30	5-10	20-35	15-25
Sandberg bluegrass	POSE	2-5	2-5	---	2-8	---
basin wildrye	ELCI2	---	---	10-20	---	---
bottlebrush squirreltail	SIHY	2-8	2-8	---	2-5	5-10
needleandthread	STCO4	10-20	10-20	---	5-15	---
other perennial grasses	PPGG	---	---	---	---	2-5
thickspike wheatgrass	AGDA	---	---	5-10	---	---
globemallow	SPHAE	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	---	---
black sagebrush	ARARN	---	---	---	25-35	---
bud sagebrush	ARSP5	---	---	---	---	2-8
downy rabbitbrush	CHVIP4	---	---	---	2-5	---
fourwing saltbush	ATCA2	---	---	---	---	2-5
rabbitbrush	CHRSY9	2-5	2-5	---	---	---
shadscale	ATCO	---	---	---	2-5	---
winterfat	EULA5	---	---	---	---	40-50
Range site number		028BY010NV	028BY010NV	028BY045NV	028BY011NV	028BY013NV
Potential production (lb/acre):						
Favorable years		800	800	1000	600	700
Normal years		600	600	800	450	500
Unfavorable years		400	400	600	250	350

2361--DEWAR-SHABLISS-ALLEY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		DEWAR	SHABLISS	ALLEY	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	20-30	20-30	20-30	5-10	20-35	15-25	15-25
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-8	---	---
basin wildrye	ELCI2	---	---	---	10-20	---	---	---
bottlebrush squirreltail	SIHY	2-8	2-5	2-8	---	2-5	5-10	2-5
galleta	HIJA	---	---	---	---	---	---	2-10
needleandthread	STCO4	10-20	10-20	10-20	---	5-15	---	---
other perennial grasses	PPGG	---	---	---	---	---	2-5	---
thickspike wheatgrass	AGDA	---	---	---	5-10	---	---	---
globemallow	SPHAE	---	---	---	---	---	2-5	---
Bailey greasewood	SAVEB	---	---	---	---	---	---	0-10
Nevada ephedra	EPNE	---	---	---	---	---	---	1-5
Wyoming big sagebrush	ARTRW	25-35	25-35	25-35	25-35	---	---	---
black sagebrush	ARARN	---	---	---	---	25-35	---	---
bud sagebrush	ARSP5	---	---	---	---	---	2-8	5-15
downy rabbitbrush	CHVIP4	---	---	---	---	2-5	---	---
fourwing saltbush	ATCA2	---	---	---	---	---	2-5	---
rabbitbrush	CHRSY9	2-5	---	2-5	---	---	---	---
shadscale	ATCO	---	---	---	---	2-5	---	25-35
winterfat	EULA5	---	---	---	---	---	40-50	5-10
Range site number		028BY010NV	028BY080NV	028BY010NV	028BY045NV	028BY011NV	028BY013NV	029XY017NV
Potential production (lb/acre):								
Favorable years		800	600	800	1000	600	700	500
Normal years		600	400	600	800	450	500	350
Unfavorable years		400	200	400	600	250	350	150

2400--ZAIDY-ALLEY-PORTMOUNT ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		ZAIDY	ALLEY	PORTMOUNT	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-35	20-30	20-30	20-35	5-10
Sandberg bluegrass	POSE	2-8	2-5	2-5	2-8	---
basin wildrye	ELCI2	---	---	---	---	10-20
bottlebrush squirreltail	SIHY	2-5	2-8	2-8	2-5	---
needleandthread	STCO4	5-15	10-20	10-20	5-15	---
thickspike wheatgrass	AGDA	---	---	---	---	5-10
Wyoming big sagebrush	ARTRW	---	25-35	25-35	---	25-35
black sagebrush	ARARN	25-35	---	---	25-35	---
downy rabbitbrush	CHVIP4	2-5	---	---	2-5	---
rabbitbrush	CHRSY9	---	2-5	2-5	---	---
shadscale	ATCO	2-5	---	---	2-5	---
Range site number		028BY011NV	028BY010NV	028BY010NV	028BY011NV	028BY045NV
Potential production (lb/acre):						
Favorable years		600	800	800	600	1000
Normal years		450	600	600	450	800
Unfavorable years		250	400	400	250	600

2401--ZAIDY-RICERT-ALLEY ASSOCIATION

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		ZAIDY	RICERT	ALLEY	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	20-35	10-20	20-30	10-20	5-10	15-25
Sandberg bluegrass	POSE	2-8	---	2-5	5-10	---	---
basin wildrye	ELCI2	---	---	---	---	10-20	---
bottlebrush squirreltail	SIHY	2-5	5-15	2-8	2-8	---	5-10
needleandthread	STCO4	5-15	---	10-20	---	---	---
other perennial grasses	PPGG	---	---	---	---	---	2-5
thickspike wheatgrass	AGDA	---	---	---	---	5-10	---
globemallow	SPHAE	---	---	---	---	---	2-5
Bailey greasewood	SAVEB	---	---	---	20-30	---	---
Wyoming big sagebrush	ARTRW	---	---	25-35	---	25-35	---
black sagebrush	ARARN	25-35	---	---	---	---	---
bud sagebrush	ARSP5	---	10-25	---	5-15	---	2-8
downy rabbitbrush	CHVIP4	2-5	---	---	---	---	---
fourwing saltbush	ATCA2	---	---	---	---	---	2-5
rabbitbrush	CHRSY9	---	---	2-5	---	---	---
shadscale	ATCO	2-5	40-50	---	15-30	---	---
winterfat	EULA5	---	---	---	---	---	40-50
Range site number		028BY011NV	028BY017NV	028BY010NV	027XY018NV	028BY045NV	028BY013NV
Potential production (lb/acre):							
Favorable years		600	400	800	400	1000	700
Normal years		450	300	600	250	800	500
Unfavorable years		250	200	400	100	600	350

2410--SETTLEMEYER SILT LOAM, 2 TO 4 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		SETTLEMEYER	Inclusion 1	Inclusion 2	Inclusion 3
Baltic rush	JUBA	---	2-8	---	---
Nevada bluegrass	PONE3	---	---	---	5-10
alkali cordgrass	SPGR	---	10-15	---	---
alkali sacaton	SPAI	---	40-50	---	---
alkaligrass	PUCCI	---	2-5	---	---
basin wildrye	ELCI2	2-5	---	---	---
bluegrass	POA++	25-40	2-8	---	---
bulrush	SCIRP	---	---	30-50	---
cattail	TYPHA	---	---	20-40	---
creeping wildrye	ELTR3	---	---	---	---
giantreed	ARDO4	---	---	5-10	---
inland saltgrass	DISPS2	---	2-5	---	---
mat muhly	MURI	2-5	---	---	---
rush	JUNCU	5-15	---	2-8	---
sedge	CAREX	20-30	5-10	2-8	5-10
wildrye	ELYMU	---	---	---	70-80
cinquefoil	POTEN	2-5	---	---	---
groundsel	SENEC	2-5	---	---	---
willow	SALIX	---	---	---	5-10
Range site number		028BY001NV	028BY002NV	028BY044NV	028BY081NV
Potential production (lb/acre):					
Favorable years		4000	1500	4000	3000
Normal years		2000	1000	2800	2500
Unfavorable years		1200	700	2000	1800

2430--ROSE CREEK LOAM, 0 TO 2 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		ROSE CREEK	Inclusion 1	Inclusion 2	Inclusion 3
Baltic rush	JUBA	2-8	---	---	---
Nevada bluegrass	PONE3	---	---	5-10	5-10
alkali cordgrass	SPGR	10-15	---	---	---
alkali sacaton	SPAI	40-50	---	---	---
alkaligrass	PUCCI	2-5	---	---	---
basin wildrye	ELCI2	---	---	---	---
bluegrass	POA++	2-8	---	---	---
bulrush	SCIRP	---	30-50	---	---
cattail	TYPHA	---	20-40	---	---
creeping wildrye	ELTR3	---	---	---	---
giantreed	ARDO4	---	5-10	---	---
inland saltgrass	DISPS2	2-5	---	---	---
rush	JUNCU	---	2-8	---	---
sedge	CAREX	5-10	2-8	5-10	5-10
wildrye	ELYMU	---	---	70-80	70-80
willow	SALIX	---	---	5-10	5-10
Range site number		028BY002NV	028BY044NV	028BY081NV	028BY081NV
Potential production (lb/acre):					
Favorable years		1500	4000	3000	3000
Normal years		1000	2800	2500	2500
Unfavorable years		700	2000	1800	1800

2431--ROSE CREEK LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		ROSE CREEK	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	5-10	---	5-10
basin wildrye	ELCI2	---	2-5	---
bluegrass	POA++	---	25-40	---
creeping wildrye	ELTR3	---	---	---
mat muhly	MURI	---	2-5	---
rush	JUNCU	---	5-15	---
sedge	CAREX	5-10	20-30	5-10
wildrye	ELYMU	70-80	---	70-80
cinquefoil	POTEN	---	2-5	---
groundsel	SENEC	---	2-5	---
willow	SALIX	5-10	---	5-10
Range site number		028BY081NV	028BY001NV	028BY081NV
Potential production (lb/acre):				
Favorable years		3000	4000	3000
Normal years		2500	2000	2500
Unfavorable years		1800	1200	1800

2440--PARANAT SILT LOAM, 0 TO 2 PERCENT SLOPES

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		PARANAT	Inclusion 1	Inclusion 2	Inclusion 3
Baltic rush	JUBA	2-8	---	2-8	---
Nevada bluegrass	PONE3	---	---	---	5-10
alkali cordgrass	SPGR	10-15	---	10-15	---
alkali sacaton	SPAI	40-50	---	40-50	---
alkaligrass	PUCCI	2-5	---	2-5	---
basin wildrye	ELCI2	---	---	---	---
bluegrass	POA++	2-8	---	2-8	---
bulrush	SCIRP	---	30-50	---	---
cattail	TYPHA	---	20-40	---	---
creeping wildrye	ELTR3	---	---	---	---
giantreed	ARDO4	---	5-10	---	---
inland saltgrass	DISPS2	2-5	---	2-5	---
rush	JUNCU	---	2-8	---	---
sedge	CAREX	5-10	2-8	5-10	5-10
wildrye	ELYMU	---	---	---	70-80
willow	SALIX	---	---	---	5-10
Range site number		028BY002NV	028BY044NV	028BY002NV	028BY081NV
Potential production (lb/acre):					
Favorable years		1500	4000	1500	3000
Normal years		1000	2800	1000	2500
Unfavorable years		700	2000	700	1800