OJT Training Module Cover Sheet

Title: Analysis PC Setup

Type: □X Skill □ Knowledge

Performance Objective:
Trainee will be able to set up Analysis PC and have a working version of the software on their computer at the completion of the Module

Trainer Preparation:
Make sure the participants have machines on which they have write permission to the C drive and access to the internet, including NASIS access.

Special Requirements:
CCE configuration to ensure that Microsoft Access is compatible with Analysis PC.
Access to the web to obtain Analysis PC, and support data.
Access to the web to obtain the SSURGO template and a SSURGO dataset (optional)

Prerequisite Modules:
None

Procedure:
Trainer will use as a job aid to help prepare for this task.
Trainer can then use this job aid as a training module to accomplish the task.

Notes/Purpose:
The purpose is to provide a consistent setup of the software.

Authors:
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Approved by:

Analysis Tools Setup

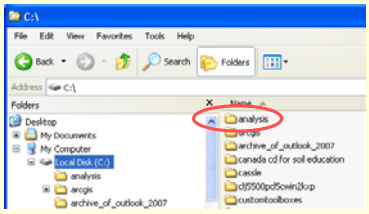
A. The objective of this module is to setup the Analysis tools

B. The Analysis tools have two objectives

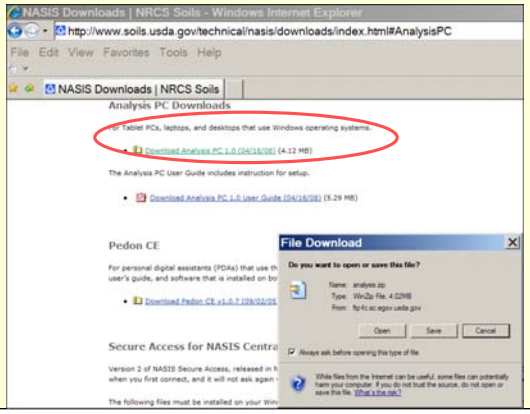
1. Make it easier to perform QA/QC on the point data in NASIS

2. Provide the field with access to point data while in the field or office

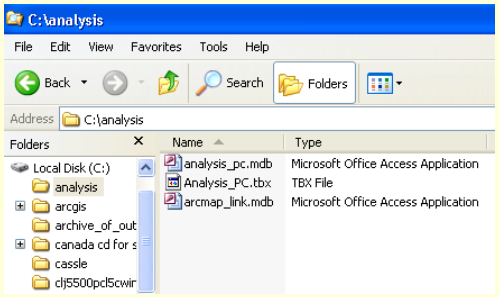
Step 1. Create a directory called Analysis



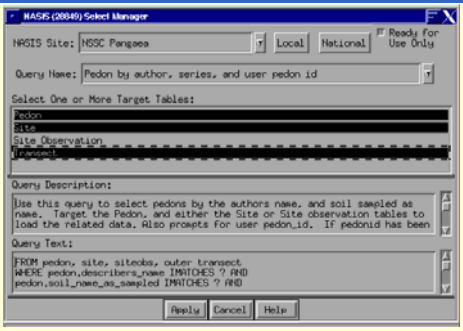
Step 2. Download the Analysis application from the NASIS Download Page



Step 3. Unzip the Analysis.zip file and place the contents in the Analysis directory



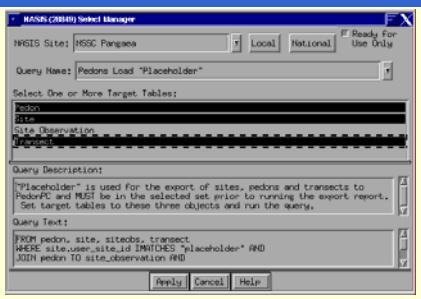
Step 3. Start NASIS to obtain point data for the Analysis tools and use the National Query Pedon by author, series, and user pedon id and choose the Pedon, Site, and Transect tables (Other queries that select related sites, pedons and transects work as well.)



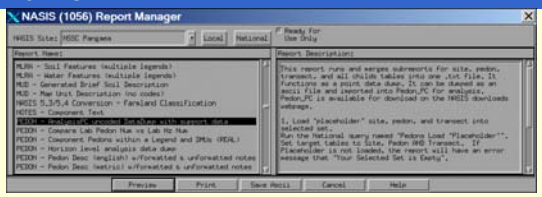
This example loads all pedons with MO in the user pedon id and .

Any query that loads related sites, pedons, and transects may be used to load the data. However, if a pedon includes nulls in the fields being selected, that pedon may fail to load. Use of the load related command or selection using some other field may be necessary to load some data.

Step 4. Use the Query - Pedon Load "Placeholder" and select the Pedon Site and Transect Tables

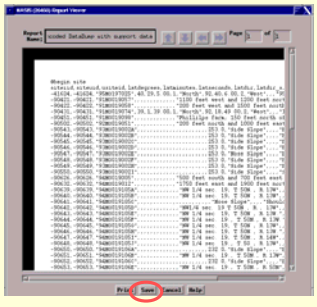


Step 5. Run the National Report Pedon – Analysis_PC uncoded DataDump with support data and save the resulting file with a .txt extension to a folder on your C drive.



The placeholder must be loaded. If the placeholder is not included in the selected set the report will fail to run. It will be empty.

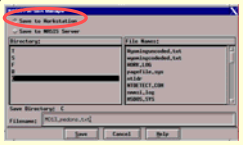
Step 5. Save the resulting file with a .txt extension to a folder on your C drive.



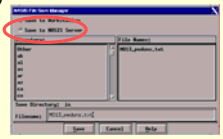
Choose Full Access and your choice of Always ask me, Never ask me again for this site, or Never ask me again. Then select OK.

You may save to the (a) Workstation or to your (b) NASIS Server. For large downloads (More than 500 pedons) it is recommended that you save to the NASIS Server and then download to your local machine.

(a)



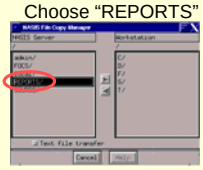
(b)



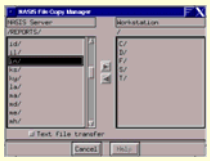
Step 5. If you saved the file to the NASIS Server, you must now download the file to your local machine.

Choose “DOWNLOAD” from this page
https://nasiscitrix.sc.egov.usda.gov/Citrix/MetaFrame/default/default.aspx

Choose “REPORTS”

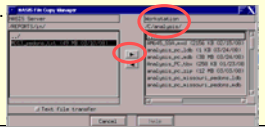


Choose the directory that you stored your file in.



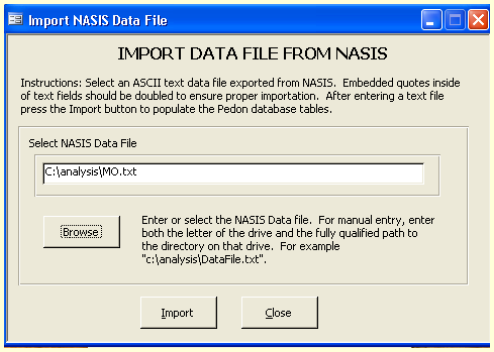
Choose your file

Choose the location that you wish to download the file to, and use the arrow button to download the file.



Step 6. Start the Analysis_PC application by double clicking on the Analysis_PC.mdb file

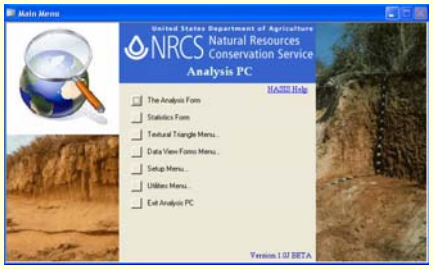
Step 7. Import the data from the Setup Menu
Setup Menu > Import Data From NASIS



The browse button is designed to look for text files. If your file does not have a .txt extension it will not show up when you browse for it.

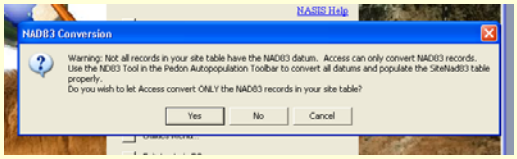
Step 8. Select the Analysis Form, as it opens you must choose to calculate the location in decimal degrees using NASIS or choose to use the NAD83 button on the SRITB Extension to ArcMap

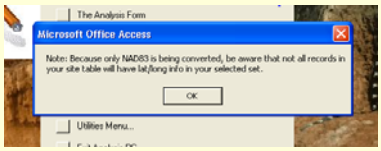
In this case choose Yes from the DecimalDegree Calculation Form



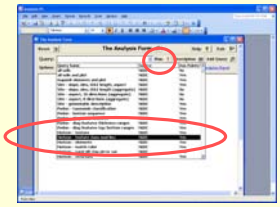
Because Access does not have a way to project data, decimal degrees are only calculated for the data that is in the NAD 83 projection. There is a tool in the SRITB (Soil Resource Inventory Toolbox) extension for ArcGIS that is designed to reproject data from NAD 27 to NAD83, from WGS84 to NAD83 and from Old Hawaiian to NAD83. This tool can be obtained from the NASIS download page.

Step 9. Two additional dialogue boxes may come up. Answer Yes to the first and OK to the second





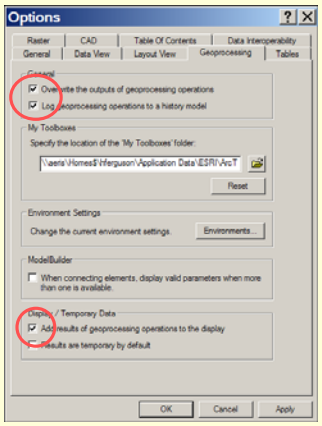
Step 10. Choose a query to run and press the "!" Button to run the query.



The queries supplied are designed to make this tool easy for users that are not familiar with ACCESS and the writing of queries. The user just has to choose the query and press the "!" button to run the query.

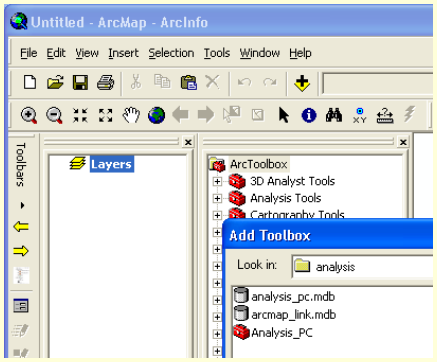
Additional setup must be performed to display points in ArcMap

Step 11. Start ArcMap
Tools > Options choose Geoprocessing tab and check the boxes "Overwrite the outputs of geoprocessing operations" and "Add results of geoprocessing operations to the display". You can keep the defaults settings for the other boxes.

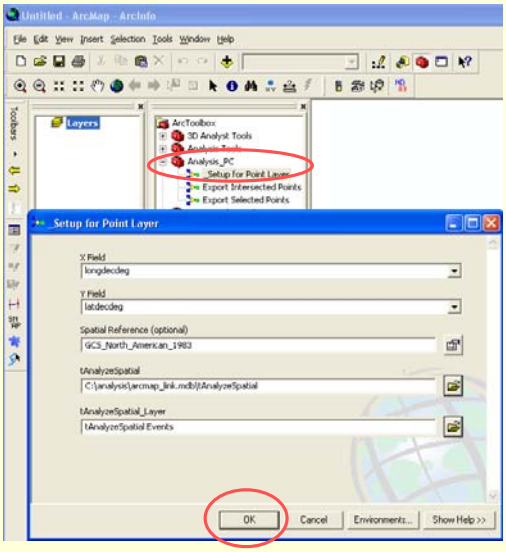


Additional setup must be performed to display points in ArcMap

Step 12. Start ArcMap > Right click on ArcToolbox > Add ToolBox > Browse to the Analysis_PC Toolbox and add it



Step 13. Open the Analysis_PC toolbox by clicking on the + sign. Then double click the "Setup for Point Layer" script. Finally choose OK.



This step adds the points layer to the ArcMap project or mxd. If the user chooses to use the Analysis.mxd file the points layer has already been set up in that mxd file.

The setup is now complete.
Adding imagery and other spatial layers may help in the process of analysis