

1-Pedon PC Setup

Document modified on: 8/21/2008

Title: 1-Pedon PC Setup

Type: Skill Knowledge

Performance Objective:

Trainee will be able to download files from the NASIS download site and setup Pedon PC on a local machine

Trainer Preparation:

- Make sure the participants have machines that they have write permission to the C drive and access to the internet.

Special Requirements:

- CCE configuration to ensure that Microsoft Access is compatible with Pedon PC.
- User login to NASIS
- Access to the web to obtain the ftp site to receive the pedon.mdb.

Pequisite 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 ensure that user's are familiar with the process for acquiring a copy of Pedon PC and setting it up.

Authors:

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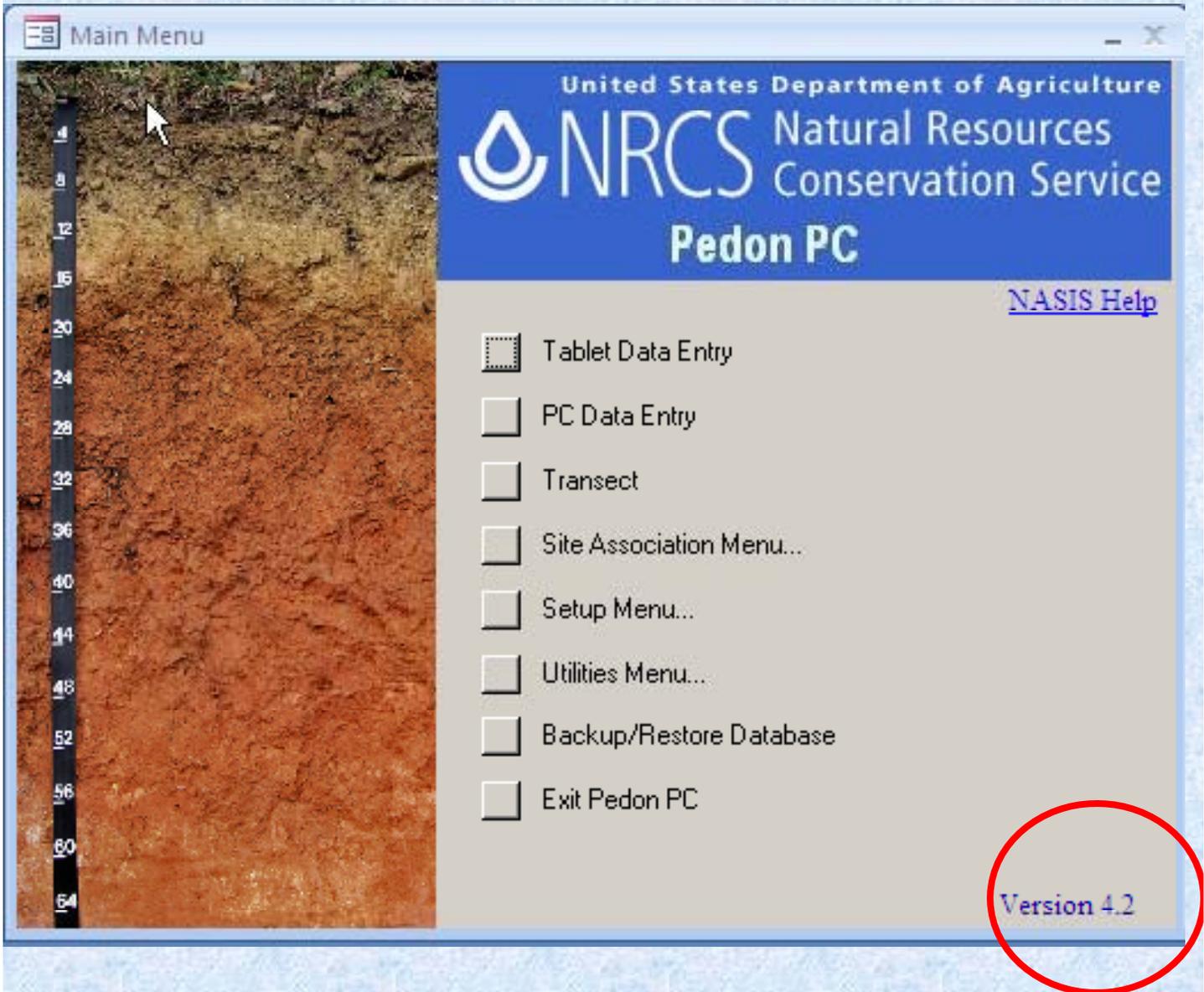
Modified by:

Tammy Cheever, NSSC

Approved by:

Marc Crouch, NSSC

Pedon PC Setup



The version of Pedon PC software is identified in the lower right hand corner of the Main Menu.

NASIS 51 Tables

22 Horizon tables

9 Pedon tables

6 Site Observation Tables

8 Site Tables

2 Transect Tables

4 Site Associate Tables

51 Point Tables

Pedon PC 7 Tabs/Forms

2 Pedon tabs

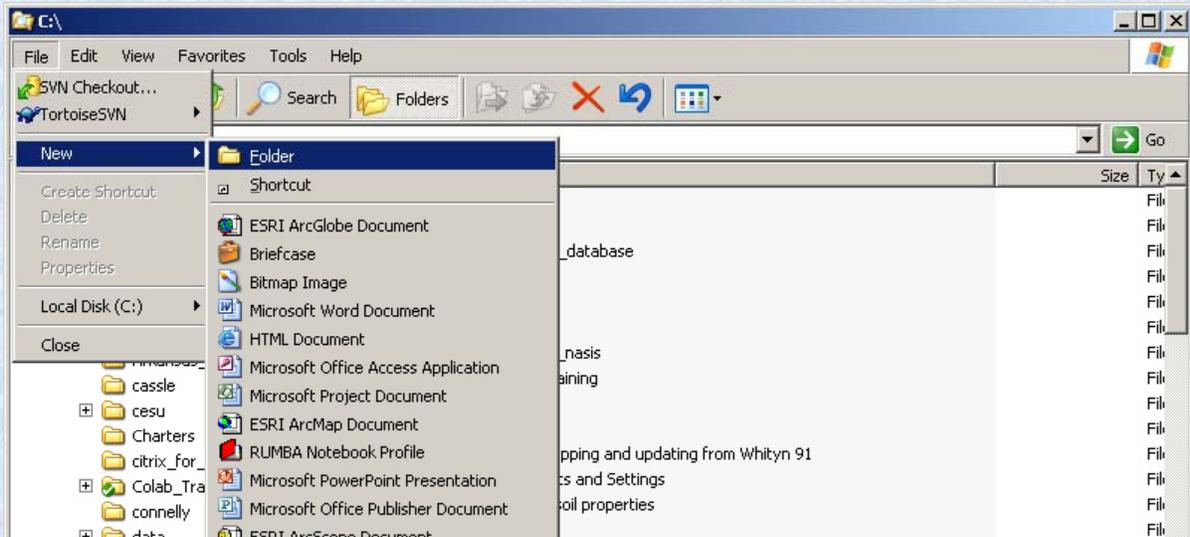
3 Site tabs

1 Transect Form

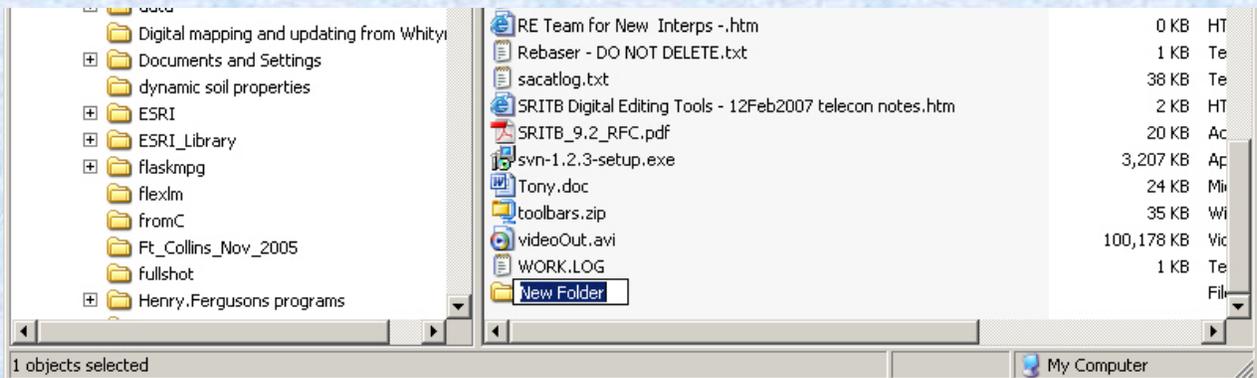
1 Site Association Form

The 51 tables from NASIS can be accessed using 7 Tabs/Forms in Pedon_PC, reducing the time that it takes to navigate to input fields.

Step 1. Create a Folder on the C drive



Step 2. Rename the "New Folder" to "pedon"



Result: C:/pedon

There is no install script for Pedon_PC and it does not have to be CCE certified since Microsoft ACCESS is CCE certified.

In order to use Pedon PC you will need to download files from a few sources.

If you only want to enter pedons, all you need are the files from the NASIS download site.

If you want a choice list for soil names you will need the SSURGO template from the soil datamart plus the tabular data from a county or multiple counties.

Step 3. Browse to the NASIS Downloads Page

<http://www.soils.usda.gov/technical/nasis/downloads/index.html#PedonPC>

NASIS Downloads | NRCS Soils - Windows Internet Explorer

http://www.soils.usda.gov/technical/nasis/downloads/index.html#PedonPC

File Edit View Favorites Tools Help

Google G Go Bookmarks 69 blocked Check

NASIS Downloads | NRCS Soils

Pedon PC

For Tablet PCs, laptops, and desktops that use Windows operating systems.

- [Download Pedon PC 3.01 \(01/15/08\) \(4.31 MB\)](#)

The Pedon PC User Guide includes instructions for setup.

- [Download Pedon PC 3.01 User Guide \(01/15/08\) \(3.61 MB\)](#)
- [Training and Job Aids](#)

Step 4. Download the latest version of Pedon PC

Pedon PC 4.2 is available at this time (December 2010).

Pedon PC 4.2 Contains Choices from the April 2010 updates to NASIS.

Step 5. Download a New/Empty Windows Pedon Database

- The pedon.mdb file is where the data is stored

NASIS Downloads | NRCS Soils - Windows Internet Explorer

http://www.soils.usda.gov/technical/nasis/downloads/index.html#PedonF

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NASIS Downloads | NRCS Soils

Windows Pedon

Please subscribe if you wish to receive news about events and things related to the Windows updates, known bugs, helpful hints, etc.

- [Subscribe to WINDOWS PEDON NEWS](#)

Download, unzip, and run this executable to install Windows Pedon. See the Windows Pedon 1

- [Download Windows Pedon 1.1.2 Install Package \(12/20/02\) \(31.3 MB\)](#)

If you have a slow connection to the internet and don't want to download this file, please requ

Tammy Cheever: (402) 437-5379
Steve Speidel: (402) 437-5378
e-mail: SoilsHotline@lin.usda.gov

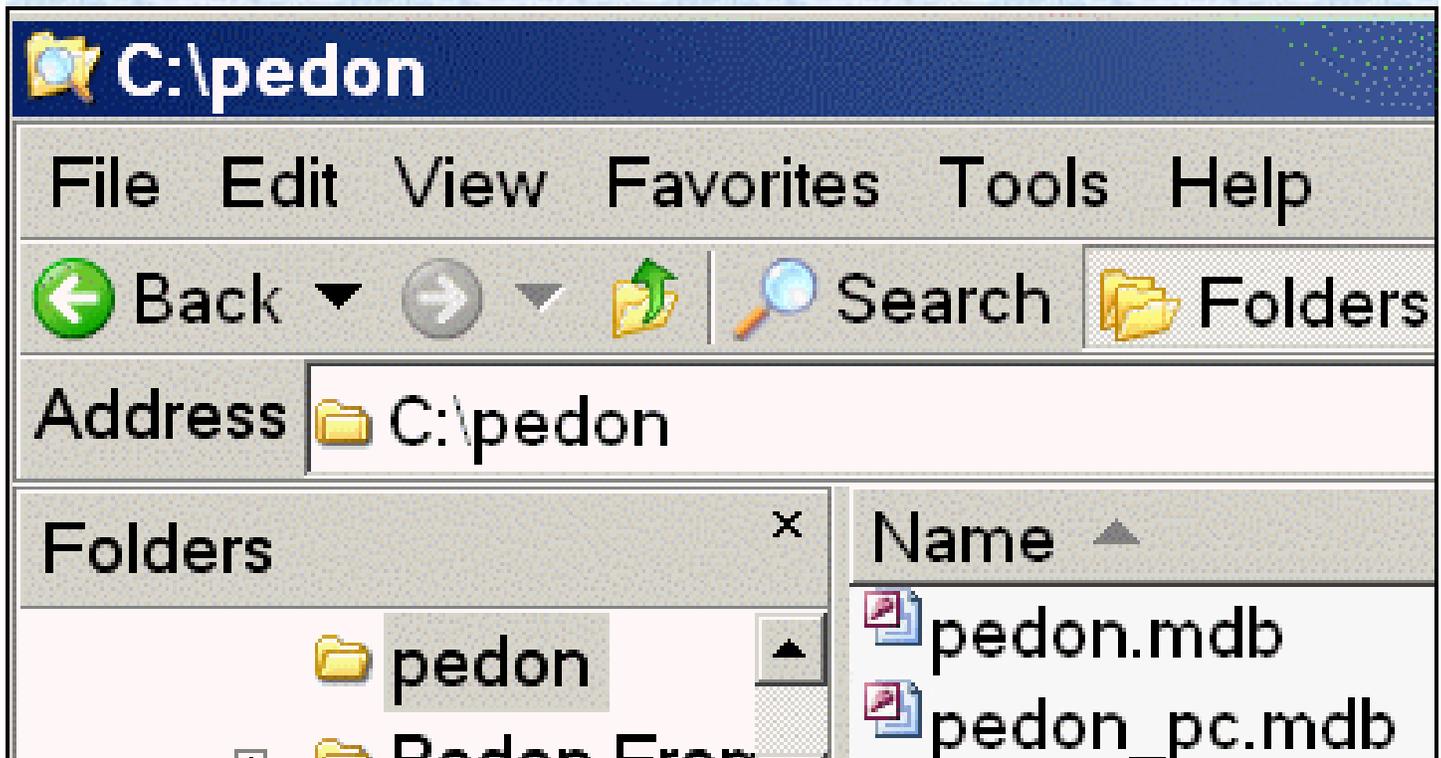
Download a new/empty Windows Pedon database to replace a database that you have submit
and geomorphic feature lookup data, but you will have to reload whatever plant lookup data

- [Download New/Empty Windows Pedon Database \(11/13/07\) \(2.5 MB\)](#)

- The Pedon.mdb file (New/Empty Windows Pedon Database), which is available from the NASIS web site, includes domain changes (choice lists) made in April , 2010. The basic structure of the pedon.mdb file has not changed for several years and does not include all of the fields available in NASIS.

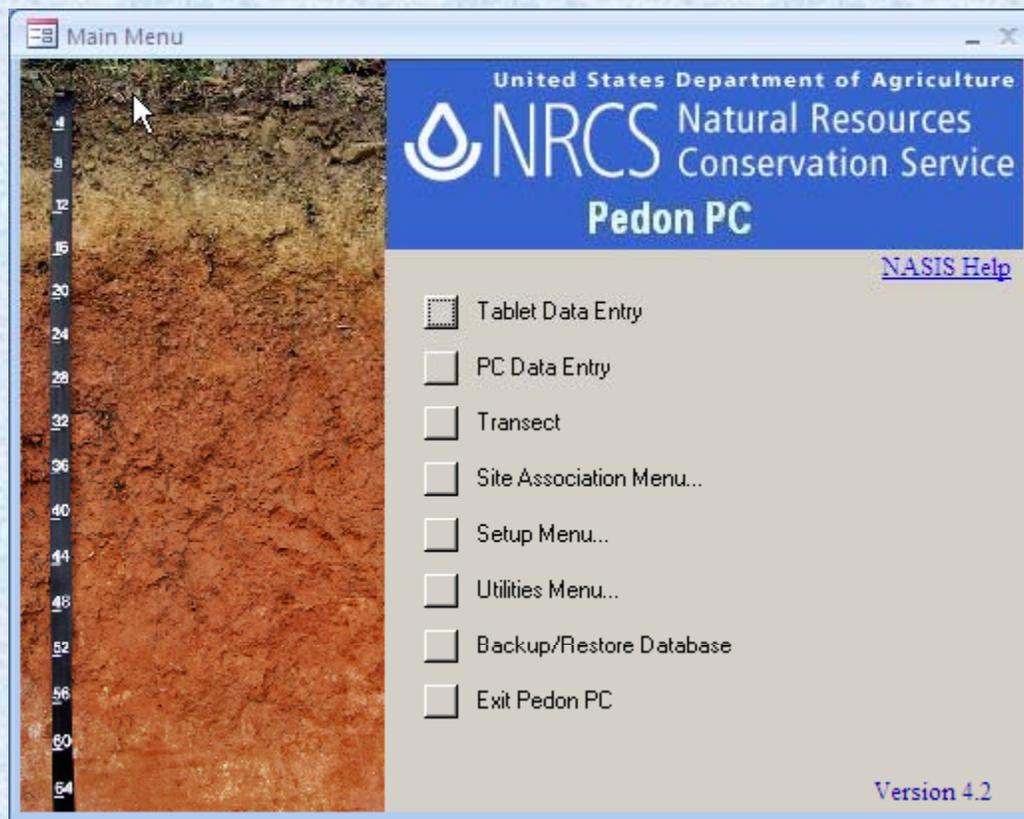
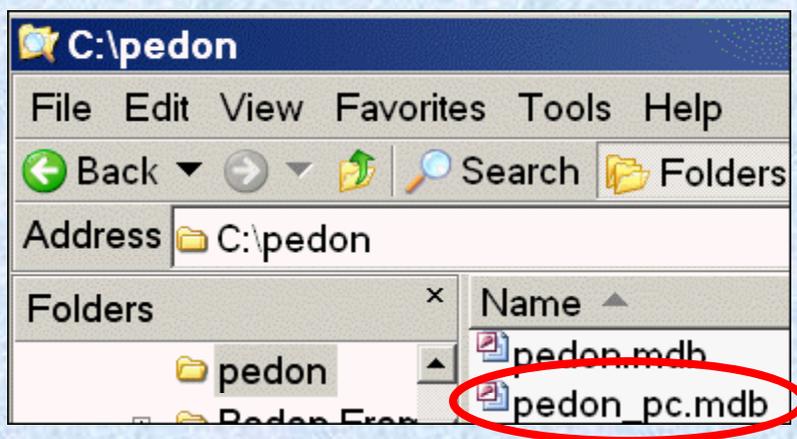
- Because PedonPC depends upon the pedon.mdb file, it does not include all of the fields that are currently in NASIS. The reason for this is that the upload script to NASIS has not been modified. Therefore, the upload script does not support all of the fields that are currently in NASIS. If the fields were added to Pedon PC, the data entered would be lost during the upload to NASIS and this is not a desirable condition.

Step 6. Unzip the two files and place the contents in c:/pedon



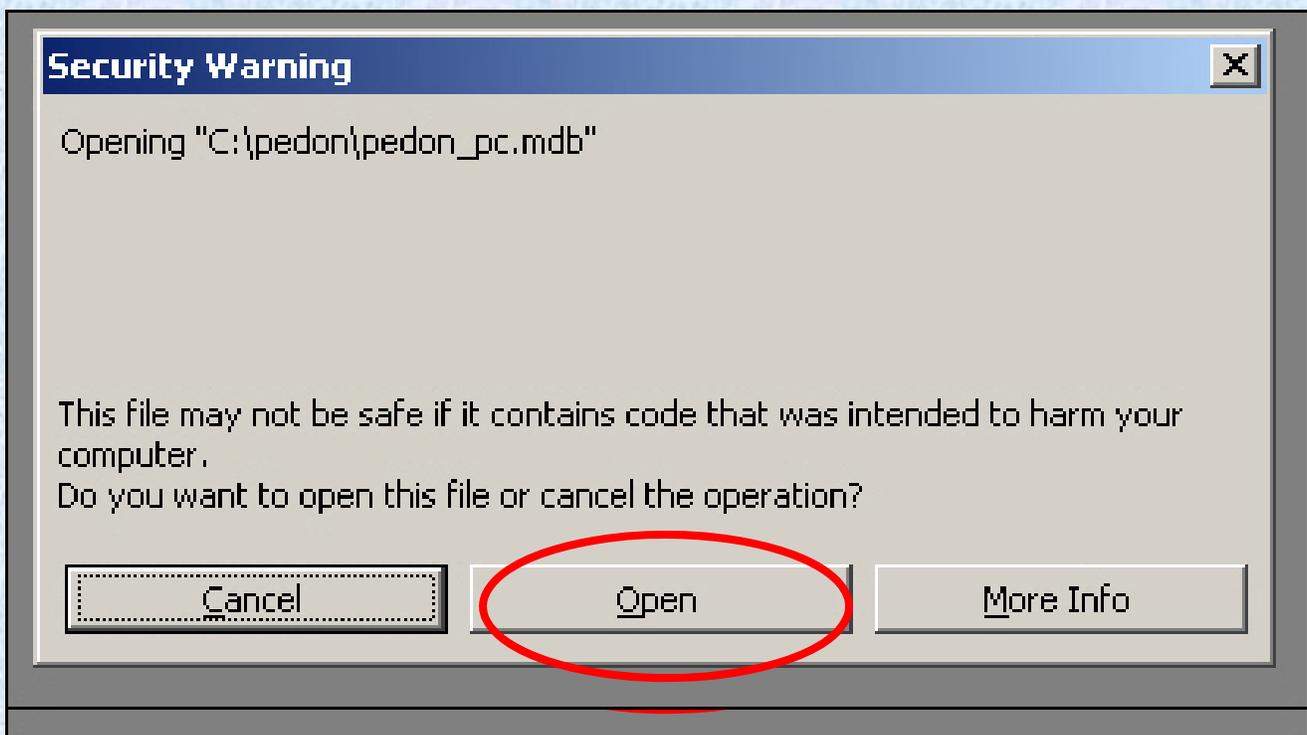
- The minimum setup includes the pedon.mdb file for storing data and the pedon_pc.mdb file which acts as the user interface.
- The default location for pedon_pc is the c:/pedon directory.

Step 7. Start Pedon_PC by double clicking on the pedon_pc.mdb file or make a short cut to it and double click on the shortcut and the Main Menu will open



Step 8. As Pedon PC opens, click through the Security Warning by pressing the Open button. Warnings may vary by computer depending upon the setup of the computer and version of Access.

You also can add Pedon PC to your trusted sites to minimize the messages and enable the macros.



Step 9. With the default setup of the first two files, you can enter most site and horizon data

Pedon Tablet Form

User Site ID: Test_pedon [Customize Choice Lists](#) [Copy a Pedon](#)

Check to Search by Pedon **PEDON DESCRIPTION** [Metric/English Calculator](#) [Calculations](#)

Describer's Name: User Site ID: Test_pedon
 Site Observation Date: 12/8/2010 10:21:51 AM User Pedon ID: Test_pedon
 Horizon Designation: Ap Horizon Top Depth: 0 Horizon Bottom Depth: 25

Site (Part 1) | Site (Part 2) | Site (Part 3) | Pedon | Horizon | Reports

Pedon Horizon: Auto Horizon Calculations Note: Pedon Horizon relies on the Pedon table. ? - StrSize

Rec ID	Dis	Mstr	Pr	Suffix	Vert	HorDes	D	UpD	LoD	DH - D	DVal	DChr	MstHue	MstVal
	8	A		p		Ap	1	0	25	10YR	4	2	10YR	3
*														

Record: 1 of 1 No Filter Search

Matrix Color:

% - l	Hue - C	Val	Chr	Moi	PhyS
	10YR	4	2		D
	10YR	3	2		M
*					

Record: 1 of 2 No Filter

Suffix: To delete a record, use the Pedon Horizon table Suffix column above

Suf - Suffix
p
*

Record: 1 of 1 No Filter

Texture:

TexCl - Tt	InLieu
fsl	
*	

Record: 1 of 1 No Filter

Structure: **Roots:** ? - Quantity **Pores:** ? - Quantity **Mottles:**

Gr	Sz	Type	ID	Pal	#	Sz	Loc - Roc	#	Sz	Cont	Sh	%	Size	Contra	Hue

Record: 37 of 37 Unfiltered Search

- All that is needed is the blank pedon database and the Pedon PC application to input most data.
- The Pedon.mdb file is a Windows Pedon file so the two applications (Pedon PC and Windows Pedon) can be used interchangeably.

Some fields in Pedon PC require additional support data for them to have drop down lists. Area types, local plants, and geomorphic features are three of them.

Pedon Tablet Form

User Site ID: Test_pedon

Check to Search by Pedon

PEDON DESCRIPTION

Describer's Name: Site Observation Date: 12/8/2010 10:21:51 AM Horizon Designation: Ap

User Site ID: Test User Pedon ID: Test Horizon Top Depth: 0

Site (Part 1) Site (Part 2) Site (Part 3) Pedon Horizon Reports

Plant Association Name:

Site Existing Vegetation: (The Choice List used is from Setup >> Update Support Data)

Symbol - Local Plant	Common - Local Pl:	Scientific - Local Pla
ACMI2	common yarrow	Achillea millefolium
ACNEN2	Columbia needlegrass	Achnatherum nelsonii s
ACSW3	Swallen's needlegrass	Achnatherum swallenii
ACTH7	Thurber needlegrass	Achnatherum thurberia
CASCP	firethread sedge	Carex scopulorum var.

Record: 3 of 5 No Filter Search

Site Information:

Site Public Land Survey System - PLSS:

Meridian: Township: Range: Section: Section Details:

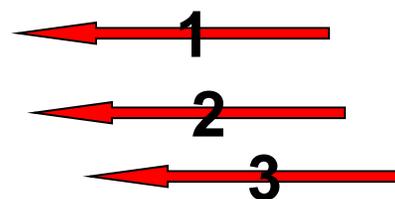
- The Blank Pedon.mdb file does not contain any area names. This is because it is known that area names are added or may change. Instead of posting a new pedon.mdb file, the area names are updated in a separate text file which is also posted on the NASIS download page.

Step 10. Download Support Data (same download site)

Windows Pedon and Pedon PC Support Data

Download a new/empty Windows Pedon database to replace a database that you have submitted for uploading to NASIS. This new database does contain basic geographic area and geomorphic feature lookup data, but you will have to reload whatever plant lookup data you were using into this new/empty Windows Pedon database.

- [Download New/Empty Windows Pedon/Pedon PC Database \(04/20/10\)](#) (ZIP; 2.5 MB)
- [Download Windows Pedon/Pedon PC Domains \(04/20/10\)](#) (ZIP; 118 KB)
- [Download National \(Pangaea\) Geographic Area Lookup Data \(04/20/10\)](#) (ZIP; 731 KB)
- [Download Geomorphic Feature Lookup Data \(04/20/10\)](#) (ZIP; 73 KB)



The ability to download an MO plant list created prior to 04/20/2010 has been disabled. If your MO has not yet provided a plant list dated 04/20/2010 or later, please contact your MO to find out when an updated plant list might be available.

WARNING: A post NASIS 6.0 local plant list should NEVER be imported into a Windows Pedon/Pedon PC Database containing a pre NASIS 6.0 local plant list! Doing so will scramble your plant list. Every local plant list on this page is a post NASIS 6.0 local plant list. The safest thing to do is to always import a post NASIS 6.0 local plant list into a New/Empty Windows Pedon/Pedon PC Database.

- [Download MO01 \(Oregon\) Local Plant Lookup Data \(07/14/10\)](#) (ZIP; 25 KB)
- [Download MO02 \(California\) Local Plant Lookup Data \(08/31/10\)](#) (ZIP; 39 KB)
- [Download MO03 \(Nevada\) Local Plant Lookup Data \(10/13/10\)](#) (ZIP; 20 KB)
- [Download MO04 \(Montana\) Local Plant Lookup Data \(09/30/10\)](#) (ZIP; 25 KB)
- [Download MO05 \(Kansas\) Local Plant Lookup Data \(06/18/10\)](#) (ZIP; 18 KB)
- [Download MO06 \(Colorado\) Local Plant Lookup Data \(06/28/10\)](#) (ZIP; 19 KB)
- [Download MO07 \(North Dakota\) Local Plant Lookup Data \(08/03/10\)](#) (ZIP; 16 KB)

Your local MO
plants list.



- Geomorphic features, Geographic areas, and Local Plant Names all are distributed as zip files from the NASIS download page.
- The Windows Pedon Domains can also be updated from this page if they change.
- Remember that there are about 51 tables in NASIS pedon. Pedon PC can be used to populate 48 of them using the blank pedon.mdb file. The choice lists for the additional tables come from these text files.

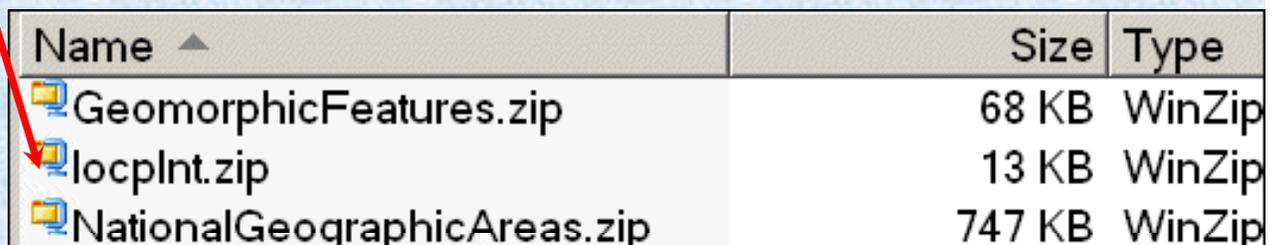
Step 10b. Includes Local Plants

The ability to download an MO plant list created prior to 04/20/2010 has been disabled. If your MO has not yet provided a plant list dated 04/20/2010 or later, please contact your MO to find out when an updated plant list might be available.

WARNING: A post NASIS 6.0 local plant list should NEVER be imported into a Windows Pedon/Pedon PC Database containing a pre NASIS 6.0 local plant list! Doing so will scramble your plant list. Every local plant list on this page is a post NASIS 6.0 local plant list. The safest thing to do is to always import a post NASIS 6.0 local plant list into a New/Empty Windows Pedon/Pedon PC Database.

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- [Download MO07 \(North Dakota\) Local Plant Lookup Data \(08/03/10\)](#) (ZIP; 16 KB)
- [Download MO08 \(Arizona\) Local Plant Lookup Data \(10/14/10\)](#) (ZIP; 20 KB)
- [Download MO09 \(Texas\) Local Plant Lookup Data \(08/03/10\)](#) (ZIP; 28 KB)
- [Download MO10 \(Minnesota\) Local Plant Lookup Data \(08/03/10\)](#) (ZIP; 19 KB)
- [Download MO11 \(Indiana\) Local Plant Lookup Data \(07/16/10\)](#) (ZIP; 12 KB)
- [Download MO12 \(Massachusetts\) Local Plant Lookup Data \(07/06/10\)](#) (ZIP; 9 KB)

plant list for your area

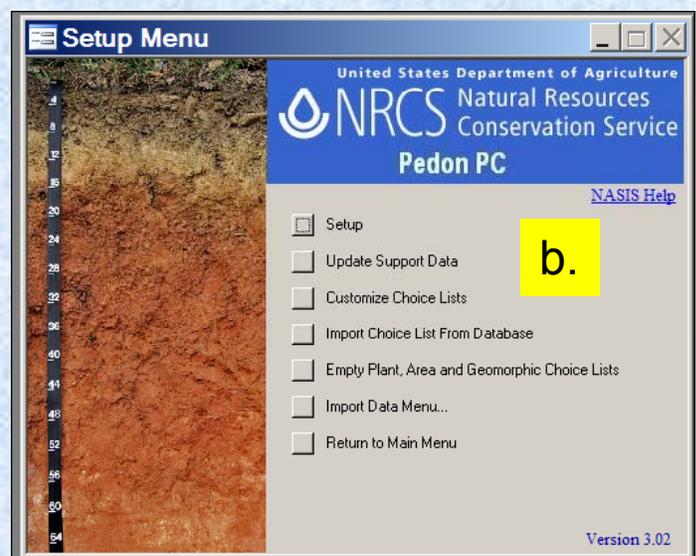
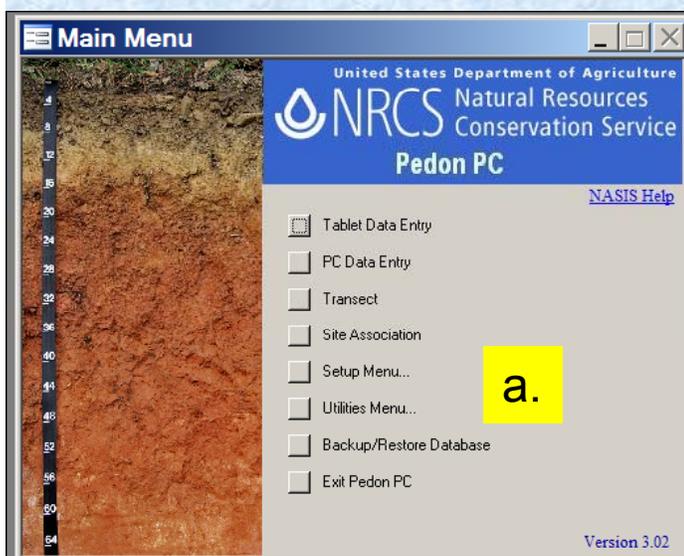


Name ▲	Size	Type
 GeomorphicFeatures.zip	68 KB	WinZip
 locplnt.zip	13 KB	WinZip
 NationalGeographicAreas.zip	747 KB	WinZip

Step 11. UnZip Support Data

Step 12. a. Choose Setup Menu

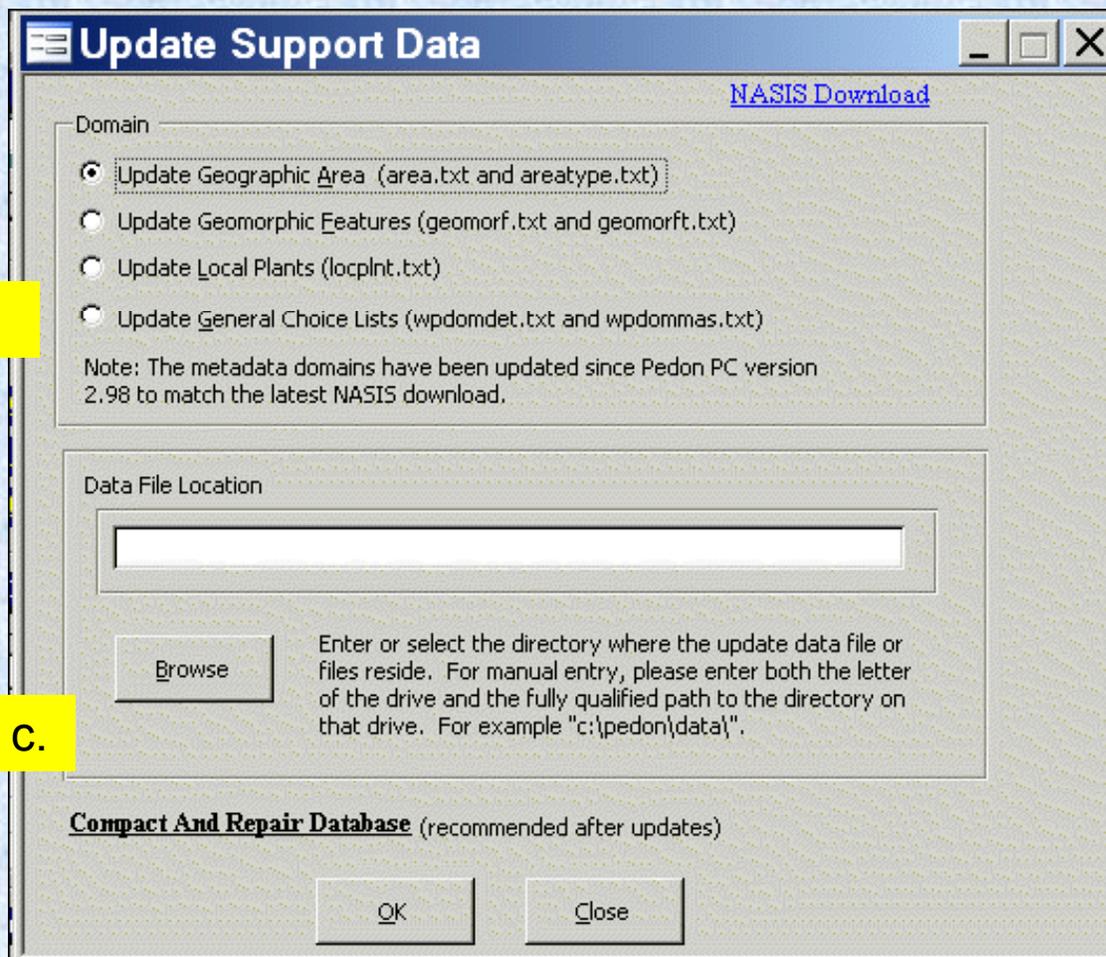
b. Update Support Data



Step 12.

c. Browse to the text files

d. Choose each of the four buttons and choose OK four times (Ignore warnings and errors)



If you download the support data to a single location, you only have to browse to the location once.

Results from step 12 are choice lists from "Support Data"

Area and Mapunit Overlap:

Select Area Type Name: Select Area Name | Area Symbol | Area Acres:

Sym - Area Symbol	Name - Area Type Name
Volcanic Islands of Central and Eastern Micronesia	MLRA
MUSym - Mapunit Symbol	Mapunit Name
<input type="text"/>	<input type="text"/>

*

Pedon Tablet Form

User Site ID:

Check to Search by Pedon

PEDON DESCRIPTION

Describer's Name:	<input type="text"/>	User Site ID:	Test
Site Observation Date:	12/8/2010 10:21:51 AM	User Pedon ID:	Test
Horizon Designation:	Ap	Horizon Top Depth:	0

Site (Part 1) | Site (Part 2) | Site (Part 3) | Pedon | Horizon | Reports

Plant Association Name:

Site Existing Vegetation: (The Choice List used is from Setup >> Update Support Data)

Symbol - Local Plant	Common - Local Pl:	Scientific - Local Pla
ACMI2	common yarrow	Achillea millefolium
ACNEN2	Columbia needlegrass	Achnatherum nelsonii s
ACSW3	Swallen's needlegrass	Achnatherum swallenii
ACTH7	Thurber needlegrass	Achnatherum thurberia
CASCP	firethread sedge	Carex scopulorum var.

*

Site Geomorphic Description - Choice List from Setup >> Update Support Data:

Mod -	GeoFeat - Geomo	FType - Feature Type	FeatID - Feature ID	ExistsOn -
<input type="text"/>	island	LS	<input type="text"/>	<input type="text"/>

*

Step 13. Once support data is updated, the Area Names can be Populated

Pedon Tablet Form

Search by User Site ID: **PEDON DESCRIPTION** [Customize Choice Lists](#) [Metric/English Calculator](#)
 Check to Search by Pedon [Copy a Pedon](#) [Calculations](#)

Pedon Description Report | Horizon1 | Horizon2 | Fragments | Roots | Pores | Mottles | Features | Concentr | Redox | Pedvoid

Site 1 | Site 2 | Site 3 | Pedon | Horizon 1 | Horizon 2

Add...

[Brand New Site](#)
[Site Observation to Current Site](#)
[SiteObs, Pedon to Current Site](#)
[Pedon to Current Site/SiteObs](#)

Site and its Pedon Info:

User Site ID:

Desc - Descriptor's	UPEDID - U
▶	S2007IN04300
◀	

Coordinates:

Latitude: ° ' " north
Longitude: ° ' " west
UTM Easting: meters
UTM Northing: meters
UTM Zone:
Datum:

Area and Mapunit Overlap:

Select Area Type Name: Select Area Name | Area Symbol | Area Acres:

Sym - Area Symbol	Name - Area Type Name
▶ + Kentucky and Indiana Sandstone and Shale Hills and Valleys	MLRA
+ Floyd	County or Parish
+ Indiana	State or Territory
+ New Albany, Indiana	USGS 7.5 Minute Quadrangl

The support data supplies choice lists for the Area names, Plant names, and Geomorphic descriptions.

Another choice list for Pedon PC is that for the Soil Name as Sampled (Optional)

The soil name as sampled can come from the component name in the template.mdb from the Soil Data Mart.

Step 14a. Download a SSURGO template from the Soil DataMart.

<http://soildatamart.nrcs.usda.gov/Default.aspx>
Pedon PC will work without this file but you will not have a soil name choice list.

The screenshot shows the Soil Data Mart website interface. At the top, there is a navigation bar with the United States Department of Agriculture logo and the text 'NRCS Natural Resources Conservation Service'. Below this is a menu with options like 'Home', 'Select State', 'State Contacts', 'Template Databases', 'SSURGO Metadata', 'Status Map', and 'US General Soil Map'. A 'Logon/Register Help' link is also present.

The main content area features a table with the following columns: State, MS Access Version, Template DB Version, Template DB Name, and Size. A red arrow points to the first row of the table, which is highlighted in blue.

State	MS Access Version	Template DB Version	Template DB Name	Size
US	Access 2002	33	soildb_US_2002	1.5M
US	Access 2000	33	soildb_US_2000	1.5M
US	Access 97	32	soildb_US_97	1.4M
AK	Access 2002	32.15	soildb_AK_2002	2.5M
CA	Access 2002	33.1	soildb_CA_2003	1.9M
CA	Access 2000	33.1	soildb_ID_2000	2.0M
CA	Access 2002	32.1	soildb_CA_2002	1.8M
CT	Access 2002	32.1	soildb_CT_2002	1.8M
DC	Access 2002	31	soildb_DC_2002	1.7M
DE	Access 2002	31	soildb_DE_2002	1.7M
GA	Access 2002	32	soildb_GA_2002	1.8M
GA	Access 2002	31	soildb_GA_2002	1.5M
GA	Access 97	31	soildb_GA_97	1.3M
ID	Access 2002	33.2	soildb_ID_2003	2.0M

Below the table is a 'Description' box with the following text: 'This is the national SSURGO Template Database for Microsoft Access 2002/2003. This database should be used only when no state specific customized SSURGO Template Database is available. This database is compatible with Soil Data Viewer 5.1.'

A 'Download' button is located below the description box.

At the bottom of the page, there is a footer with links for 'Back to Top', 'FOIA', 'Information Quality', 'Accessibility Statement', 'Privacy Policy', 'Non-Discrimination Statement', 'White House', 'USA.gov', 'USDA', 'NRCS', 'NRCS Soils', 'Disclaimer', and 'Contact Us'.

Step 14b. Download your selected county or counties from the same site.

Follow the SSURGO instructions* to import county tabular data into the SSURGO template. You can have more than one county in the template.

* Open the template by double clicking on it. Then type in the path to the tabular data.

United States Department of Agriculture
NRCS Natural Resources Conservation Service
Texas
Soil Data Mart

Home Select State State Contacts Template Databases SSURGO Metadata Status Map US General Soil Map Logon/Register Help

Please select a soil survey area:

Survey Area Symbol	Survey Area Name	Available Data
NM719	Fort Bliss Military Reservation, New Mexico and Texas	Tabular and Spatial
TX001	Anderson County, Texas	Tabular and Spatial
TX003	Andrews County, Texas	Tabular and Spatial
TX005	Angelina County, Texas	Tabular and Spatial
TX009	Archer County, Texas	Tabular and Spatial
TX011	Armstrong County, Texas	Tabular and Spatial
TX013	Atascosa County, Texas	Tabular and Spatial
TX017	Bailey County, Texas	Tabular and Spatial
TX019	Bandera County, Texas	Tabular and Spatial
TX021	Bastrop County, Texas	Tabular and Spatial
TX023	Baylor County, Texas	Tabular and Spatial
TX025	Bee County, Texas	Tabular and Spatial
TX027	Bell County, Texas	Tabular and Spatial
TX029	Bexar County, Texas	Tabular and Spatial
TX033	Borden County, Texas	Tabular and Spatial
TX035	Bosque County, Texas	Tabular and Spatial
TX037	Bowie County, Texas	Tabular and Spatial
TX039	Brazoria County, Texas	Tabular and Spatial
TX041	Brazos County, Texas	Tabular and Spatial
TX045	Briscoe County, Texas	Tabular and Spatial

*Mapping for this survey area is still in progress, and the corresponding spatial and tabular data are not yet complete.

View Metadata Download Data Generate Reports Subscribe
Select State Select County

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Done Trusted sites

start C:\Pedon I:\Pedon 05... Adobe Phot... Inbox - Mic... Microsoft Po... Soil Data Ma... 3:11 PM

The Zip file contains a template, spatial data, and tabular data

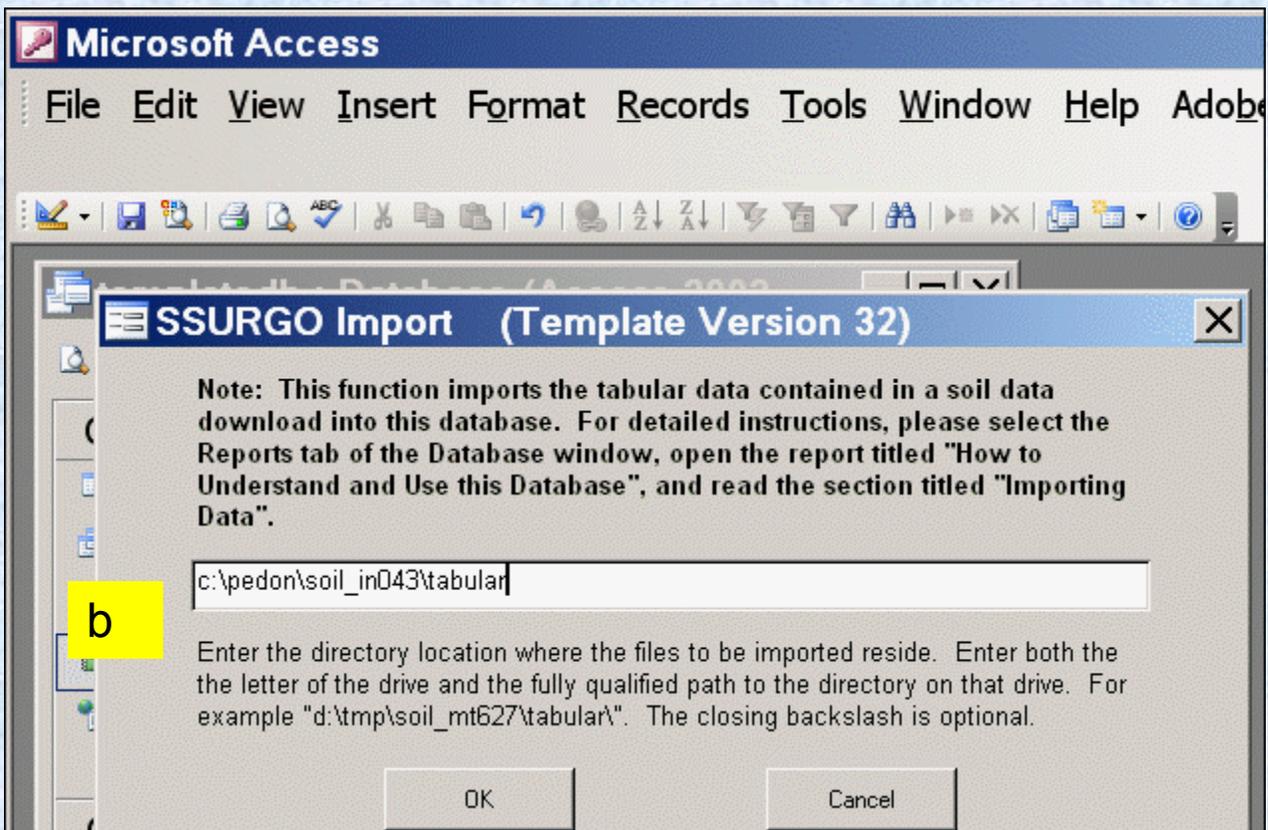
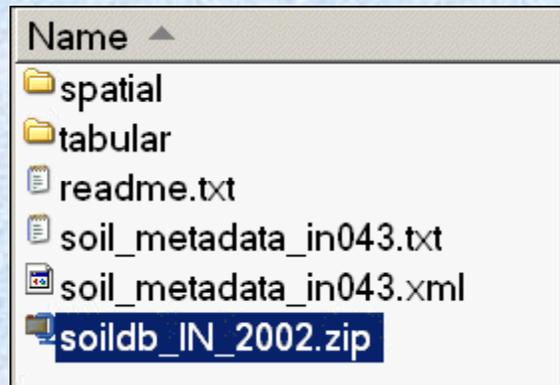
Name	Type	Modified	Size	Ratio	Packe
readme.txt	Readme Document	4/13/2007 6:21 PM	5,409	62%	2,05
soildb_IN_2002.zip	WinZip File	4/13/2007 6:21 PM	1,702,888	0%	1,702,...
soil_metadata_in043...	Text Document	4/13/2007 6:21 PM	53,169	78%	11,84
soil_metadata_in043...	XML Document	4/13/2007 6:21 PM	44,125	74%	11,27
soilmu_a_in043.dbf	DBF File	11/4/2006 12:56 AM	223,004	97%	6,84
soilmu_a_in043.prj	HTML Document	11/4/2006 12:56 AM	424	37%	26
soilmu_a_in043.sbn	SBN File	11/4/2006 12:56 AM	33,164	33%	22,18
soilmu_a_in043.sbx	Adobe Illustrator Tsume File	11/4/2006 12:56 AM	2,684	54%	1,24
soilmu_a_in043.shp	SHP File	11/4/2006 12:56 AM	7,986,848	30%	5,595,...
soilmu_a_in043.shx	SHX File	11/4/2006 12:56 AM	26,708	35%	17,25
soilmu_l_in043.dbf	DBF File	11/4/2006 12:56 AM	162	57%	7
soilmu_l_in043.prj	HTML Document	11/4/2006 12:56 AM	424	37%	26
soilmu_l_in043.shp	SHP File	11/4/2006 12:56 AM	100	76%	2
soilmu_l_in043.shx	SHX File	11/4/2006 12:56 AM	100	76%	2
soilmu_p_in043.dbf	DBF File	11/4/2006 12:56 AM	162	57%	7
soilmu_p_in043.prj	HTML Document	11/4/2006 12:56 AM	424	37%	26
soilmu_p_in043.shp	SHP File	11/4/2006 12:56 AM	100	76%	2
soilmu_p_in043.shx	SHX File	11/4/2006 12:56 AM	100	76%	2
soilsa_a_in043.dbf	DBF File	11/4/2006 12:56 AM	191	57%	8
soilsa_a_in043.prj	HTML Document	11/4/2006 12:56 AM	424	37%	26
soilsa_a_in043.sbn	SBN File	11/4/2006 12:56 AM	132	48%	6
soilsa_a_in043.sbx	Adobe Illustrator Tsume File	11/4/2006 12:56 AM	116	47%	6
soilsa_a_in043.shp	SHP File	11/4/2006 12:56 AM	16,892	23%	12,93
soilsa_a_in043.shx	SHX File	11/4/2006 12:56 AM	108	45%	5
soilsf_l_in043.dbf	DBF File	11/4/2006 12:56 AM	11,170	98%	26
soilsf_l_in043.prj	HTML Document	11/4/2006 12:56 AM	424	37%	26
soilsf_l_in043.sbn	SBN File	11/4/2006 12:56 AM	1,892	32%	1,29
soilsf_l_in043.sbx	Adobe Illustrator Tsume File	11/4/2006 12:56 AM	284	46%	15

Selected 0 files, 0 bytes Total 106 files, 20,051KB

Directions from Soil DataMart

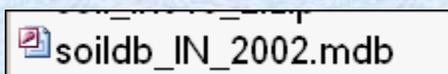
* a. Open the template by double clicking on it. b. Then type in the path to the tabular data.

a



b

- Rename the template to templatedb.mdb



Pointing to the Templatedb.mdb in the setup menu adds the choice list for the Soil Name as Sampled Field. The default is c:/pedon/templatedb.mdb.

don PC

Edit View Insert Format Records Tools Window Help Adobe PDF Type a question for help

Pedon Tablet Form

Search by User Site ID: 52007IN043004 Check to Search by Pedon

PEDON DESCRIPTION Customize Choice Lists Metric/English Calculator
Copy a Pedon Calculations

Pedon Description Report Horizon1 Horizon2 Fragments Roots Pores Mottles Features Concentr Redox Pedvoid

Site 1 Site 2 Site 3 Pedon Horizon 1 Horizon 2

Pedon: Note: Double-click a value in the Transect ID, Soil Name, or Sampled or Sub group columns for special features.

LabSrcID	Desc	PedType - Ped	PedPurp - P	EdC	SoilName	CorrSoil	PartSz - Particle S	PS Mod -Particl	PSCS Top
					▼				

Pedon Text:

Kind	Cat - Category	SubC	Author

Pedon Taxonomic Moisture Class: **Pedon Taxonomic Family Mineralogy:** **Pedon Taxonomic Family Other Criteria:**

Seq	Moist - Moisture Cl	Seq	Mineralogy	Seq	FamOther - Family Othe

Pedon Horizon: Reference Table (Read Only) To add horizon data please use the Horizon1 and Horizon2 tabs.

Seq	ObsMthd - O	Disc - Dis	Mstr - M	Pr - Prim	Suffix	VertSubD	HorDes - Hor	UpDep	LoD

Other Optional User Defined Choice Lists can be created for some text fields in NASIS/Pedon PC

- Soil Survey Personnel
- Note Type
- Fieldsheet
- Geologic Formation
- Site Observation Text Category
- Local Physiographic Name
- Text Category
- Pedon Horizon Field Measured Properties Name (phfmp_name)
- Pedon Horizon Field Measured Properties Unit of Measure (phfmp_uom)

Step 15 - From the Setup Menu, go to --

- Customize Choice Lists
- Edit Choice Lists

Domain Show Hide Form

Choice List Setup

Click the + sign to show/edit corresponding choices; click the checkbox to show/hide list items; checked = Show

[NASIS Download](#) [Return to Data Entry F](#)

Local Standard Geomorphic Features Local Plant List Area Overlap

Check/UnCheck and then choose from dropdown: Check/UnCheck All

domain_name	domain_id
soil_survey_personnel	100
note_type	200
fieldsheet	300
geologic_formation	400
siteobs_text_category	500
local_physiographic_name	600
textcat	700
phfmp_name	800
phfmp_uom	900

Domain ID	Show/Hide	Choice Sequence	Choice ID	Choice	Choice Label	Choice Obsolete
900	<input checked="" type="checkbox"/>	1	1	Percent		No
900	<input checked="" type="checkbox"/>	1	2	petrochemical		No
900	<input checked="" type="checkbox"/>	1	3	sulfurous		No
900	<input checked="" type="checkbox"/>	1	4	grams per cc		No
900	<input checked="" type="checkbox"/>	1	5	none		No
*	<input checked="" type="checkbox"/>					

This example is for the Pedon Horizon Field Measured Properties, Unit of Measure.

The Choice ID is a made up number for this particular field. Choice ID's are fixed for all but the local tab.

- Under the local tab there are several lists that can be added to. By creating these choice lists, the user is able to pick from a list rather than type out text fields. The describer name is a good example of a choice list.
- The Choice ID is a made up number for the computer. The Choice is actually what is stored in the Pedon.mdb database and what is uploaded into NASIS.

- At this point Pedon PC is setup to accept data. There are other customizations that can be made to enhance the efficiency of the application in the field and in the office, but this initial setup is enough to get the application up and running.

Step 16 – Enter pedon data using customized choice lists and NASIS domains

Microsoft Access

File Edit View Insert Format Records Tools Window Help

Type a question for help

Pedon Tablet Form

User Site ID: s05-WV037-3 **PEDON DESCRIPTION** [Customize Choice Lists](#)
[Metric/English Calculator](#)
[Copy a Pedon](#)

Check to Search by Pedon

Site 1 Site 2 Site 3 **Pedon** Horizon 1 Horizon 2

Geologic:

Local Physiographic Name (Optional Local List): (Add records to mddl table)
 Geologic Formation (Optional Local List): (Add records to mddl table)

Bedrock:

Bedrock Depth: **cm**
 Bedrock Kind:
 Bedrock Hardness:
 Bedrock Fracture Interval:
 Bedrock Weathering:
 Bedrock Strike (0-360): **degrees**

Bedrock Dip (0-90):
 Low: **degrees**
 High: **degrees**

Elevation/Slope:

Elevation: 554 **meters**
 Slope Aspect (0-360): 90 **degrees**
 Slope Gradient: 4 %
 Slope Length USLE: **meters**
 Upslope Length: **meters**

Hillslope Profile:
 Slope Position:
 Slope Shape Across:
 Slope Shape Up/Down:
 Slope Complexity:

Geomorphic Component:

Geo Comp - Hills:
 Geo Comp - Mountains:
 Geo Comp - Terraces:
 Geo Comp - Flats:

Hydrology:

Runoff Class:
 Drainage Class: well
 Site Permeability Class:

Site Geomorphic Description - Choice List from Setup >> Update Support Data:

Mod	GeoFeat	FType	Feature Type	FeatID	Feature ID	ExistsOn

Record: 1 of 1

User must enter records in the metadata_domain_detail_local table.