

## Soils Map and Inventory Tool

### **Abstract**

In this task you will learn how to use the Soils Map and Inventory Tool to create a Soils Map for a landowner and how to print the Inventory Report.

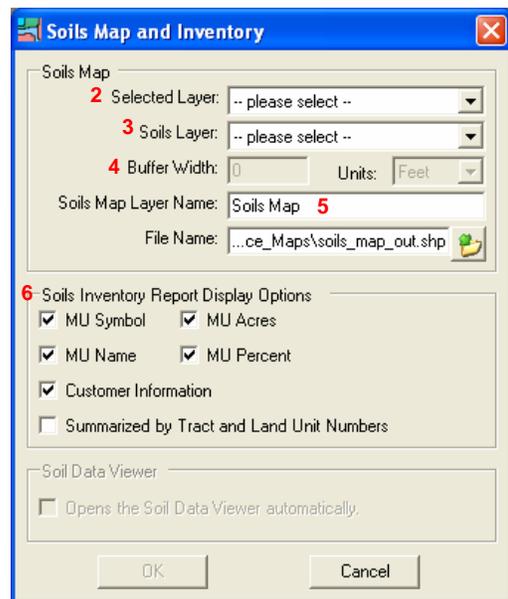
*Steps: Click Soils Inventory Tool, select layer, select soils layer, add buffer width, summarize if wanted, OK.*

### **Details**

Open Toolkit, check the customer out, open the customer window, and open the ArcGIS project.

1. **Click** on the **Soils Inventory** button. 
2. **Click** the down-arrow next to the *Selected Layer* box, and **select** the plan layer (see graphic - 2).
3. **Click** the down-arrow next to the *Soils Layer* and **select** *County Wide Soils* (see graphic - 3). This will default to *County Wide Soils* if there are no other “soils” layers present.
4. The *Buffer Width* (see graphic - 4) can be used if you want to get soils for an area outside of the immediate area you are working with.

**NOTE:** If you use a buffer width, the Soils Map will not clip your fields. The report created (Soils Inventory Report) will split the soil percentages out with correct total field acreages according to the field boundaries; however, your soil map will not have field lines on it. This will make your soils layer easier to read.



5. The *soils Map Layer Name* will default to “Soils Map” (see graphic - 5). Toolkit knows what the file name should be and where it should be stored. Do NOT change the file name.
6. The *Soils Inventory Report Display Options* (see graphic - 6) gives you the ability to choose what options are include in the soils inventory report. You can **check** or **uncheck** the items you want to see in your report.
7. If you **check** the box next to *Summarized by Tract and Land Unit Numbers* your report will be summarized by Field. This will only work if the fields have been attributed.
8. After all desired options have been selected, **click** the **OK** button.

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- The soils report that is generated will automatically open and will be saved under the *Resource Maps* folder in the customer's file. Close the Soils Inventory Report to return to the data view.

<b>Soils Inventory Report</b>					
Mon Oct 24 17:54:57 CDT 2005					
DOUGLAS ANDERSON					
Tract	Land Unit	Map Unit Symbol	Map Unit Name	Acres	Percent
12014		628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	0	0%
12014		133C2	Valton silt loam, 6 to 12 percent slopes, moderately eroded	3.1	13%
12014		1125F	Dorerton, very stony-Elbaville complex, 30 to 60 percent slopes	3.7	15%
12014		133D2	Valton silt loam, 12 to 20 percent slopes, moderately eroded	4.7	19%
12014		163E2	Elbaville silt loam, 20 to 30 percent slopes, moderately eroded	6.2	25%
12014		161D2	Fivepoints silt loam, 12 to 20 percent slopes, moderately eroded	6.9	28%
Total:				24.6	
12014	1	133D2	Valton silt loam, 12 to 20 percent slopes, moderately eroded	0.4	40%
12014	1	161D2	Fivepoints silt loam, 12 to 20 percent slopes, moderately eroded	0.6	60%
Total:				1	
12014	2	163E2	Elbaville silt loam, 20 to 30 percent slopes, moderately eroded	0.4	5%
12014	2	133D2	Valton silt loam, 12 to 20 percent slopes, moderately eroded	1.2	14%
12014	2	133C2	Valton silt loam, 6 to 12 percent slopes, moderately eroded	2.3	26%
12014	2	161D2	Fivepoints silt loam, 12 to 20 percent slopes, moderately eroded	4.8	55%
Total:				8.7	

- A soils layer will appear under the table of contents in ArcMap. This layer will be used for creating a soils map.

**Note:** The *Soils Map and Inventory* tool can be used on any of the practice layers that you create.