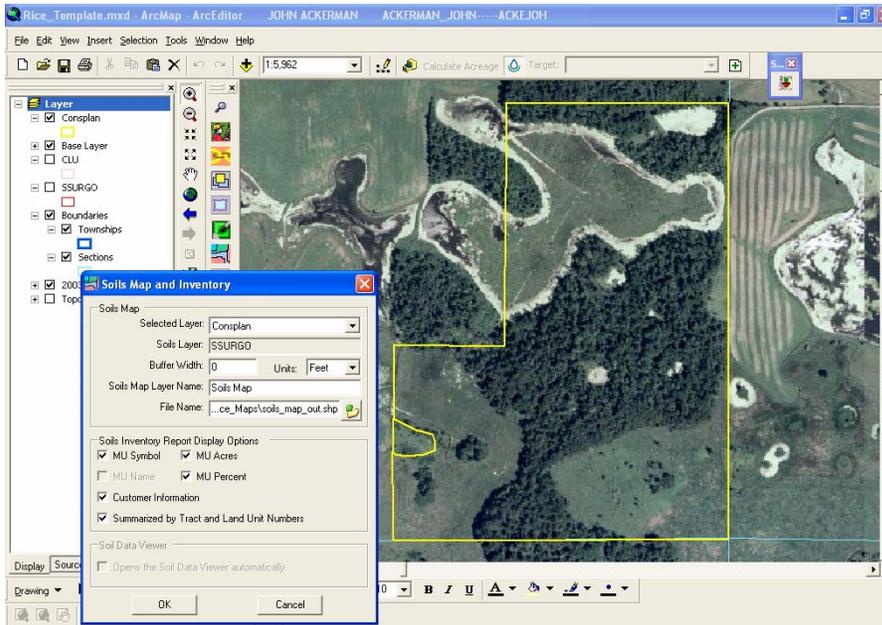




## Creating a Short Map Unit Description Report.

### Soil Inventory

- Once the Planned Land Unit (Consplan) is loaded or created and attributed, run the soil Inventory Report.



- Print the Report with the different Map Unit Symbols.

Tract	Land Unit	Map Unit Symbol	Acres	Percent
6353		1388B	0	0%
6353		109	0.1	0%
6353		414	1.1	1%
6353		W	1.5	2%
6353		114	2.3	2%
6353		106E	6.5	7%
6353		1362B	9	9%
6353		106C2	12	12%
6353		106D2	13	13%
6353		1058	51.6	53%
Total:			97.1	

## Short Map Unit Description Report

- Open the Soil database for your county located in [F:\FOTG\Section\\_II\soildb\\_MN\\_2003\\_mnXXX.mdb](F:\FOTG\Section_II\soildb_MN_2003_mnXXX.mdb)
- Select the Map Unit Symbol from The Soil Inventory Report.
- Select *Component Text Report*.
- Click on Select Parameters and highlight Nontechnical Description Category. Then Generate the report

The image shows two overlapping Microsoft Access dialog boxes. The background dialog is titled "Microsoft Access - [Soil Reports (Template Version: 32)]". It has a menu bar (File, Edit, View, Insert, Format, Records, Tools, Window, Help) and a toolbar. The "Soil Survey Area Name" is set to "Rice County, Minnesota". A list of "Map Unit Symbol" and "Map Unit Name" is shown, with "109 Cordova clay loam, 0 to 2 percent slopes" selected. Below the list are buttons for "Select All", "Clear Selections", and "Selection Help". The "Report Name" is set to "Component Text". There are buttons for "Include Minor Soils", "Include Report Description", "Select Parameters", "Exit", and "System Reports". A red box highlights the "Select Parameters" button. Below the dialog is a note: "If you are new to this database, please select the Reports tab of the Database window and open the report titled 'How to Understand and Use this Database'".

The foreground dialog is titled "Microsoft Access - [Select Text Kinds & Categories]". It has a menu bar (File, Edit, View, Insert, Format, Records, Tools, Window, Help) and a toolbar. It contains the instruction: "Pick at least 1 text kind and category combination to be included in the report." Below this is a list of "Text Kind/Category" with "Nontechnical description/GENSQIL" selected and highlighted by a red box. At the bottom, there is a "Report Title" field (with a note: "Report Title (<= 80 characters, change as desired)") containing "Component Text", and a "Generate Report" button highlighted by a red box. An "Exit" button is also present.

The image shows a Microsoft Access report titled "Component Text". The report is for "Rice County, Minnesota" and includes a note: "[Only those components that have entries for the selected text kinds and categories are included in this report]".

The report lists two map units:

- Map unit: 109 - Cordova clay loam, 0 to 2 percent slopes**
  - Component:** Cordova
  - Text kind/Category:** Nontechnical description/GENSQIL
  - The Cordova component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on moraines. The parent material consists of till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during April. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 2w. This soil meets hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 13 percent.*
- Map unit: 114 - Glencoe clay loam, depressional, 0 to 1 percent slopes**
  - Component:** Glencoe, depressional
  - Text kind/Category:** Nontechnical description/GENSQIL
  - The Glencoe, depressional component makes up 90 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions on moraines. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during March, April. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 10 percent.*

The report also lists a third map unit at the bottom: **Map unit: 414 - Hamel loam, 1 to 3 percent slopes**.

You can also use the *Map Unit description Report*

**Soil Reports (Template Version: 32)**

Soil Survey Area Name  
 Rice County, Minnesota

Map Unit Symbol    Map Unit Name

104D2	Hayden loam, 12 to 18 percent slopes, eroded
104E	Hayden loam, 18 to 25 percent slopes
106C2	Lester loam, 6 to 12 percent slopes, eroded
106D2	Lester loam, 12 to 18 percent slopes, eroded
106E	Lester loam 18 to 25 percent slopes
109	Cordova clay loam, 0 to 2 percent slopes
113	Webster clay loam, 0 to 2 percent slopes
114	Glencoe clay loam, depressional, 0 to 1 percent slopes
130	Nicollet clay loam, 1 to 3 percent slopes

Select All    Clear Selections    Selection Help

Report Name  
 Map Unit Description (MN)

Include Minor Soils    Include Report Description

Generate Report!    Exit    System Reports

**If you are new to this database, please select the Reports tab of the Database window and open the report titled "How to Understand and Use this Database".**

**[Map Unit Description (MN) : Report]**

Tools Window Help    Type a question for

Fit    Close    Setup    [Print]    [Refresh]

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**Map Unit Description (MN)**  
 Rice County, Minnesota

Data apply to the entire extent of the map unit within the story area. Map units and soil properties for a specific parcel of land may vary somewhat and could be determined by our field investigation.

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**109--Cordova clay loam, 0 to 2 percent slopes**

**Cordova**

*Extent:* 90 percent of the unit      *Soil loss tolerance (T factor):* 5  
*Landform (s):* moraines      *Wind erodibility group (WEG):* 6  
*Slope gradient:* 0 to 2 percent      *Wind erodibility index (WEI):* 48  
*Parent material:* till      *Kw (surface layer):* 28  
*Restrictive feature(s):*      *Land capability class, nonirrigated:* 2w  
*Flooding:* none      *Hydric soil:* yes  
*Ponding:* none      *Hydrologic group:* C/D  
*Drainage class:* poorly drained      *Potential frost action:* high

Representative soil profile:	Texture	Permeability	Available water capacity	pH
ApA - 0 to 13 h	clay loam	moderate to slow	2.3 to 2.9 h	6.1 to 7.3
Bt1, Bt2, Bt1 - 13 to 36 h	clay loam	moderate to slow	3.4 to 4.3 h	6.1 to 6.5
Cg - 36 to 60 h	loam	moderate	3.4 to 3.8 h	7.4 to 8.4

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**114--Glencoe clay loam, depressional, 0 to 1 percent slopes**

**Glencoe, depressional**

*Extent:* 90 percent of the unit      *Soil loss tolerance (T factor):* 5  
*Landform (s):* depressions on moraines      *Wind erodibility group (WEG):* 6  
*Slope gradient:* 0 to 1 percent      *Wind erodibility index (WEI):* 48  
*Parent material:* alluvium      *Kw (surface layer):* 28  
*Restrictive feature(s):*      *Land capability class, nonirrigated:* 3w  
*Flooding:* none      *Hydric soil:* yes  
*Ponding:* frequent      *Hydrologic group:* B/D  
*Drainage class:* very poorly drained      *Potential frost action:* high

Representative soil profile:	Texture	Permeability	Available water capacity	pH
Ap A1 - 0 to 12 h	clay loam	moderate	2.1 to 2.6 h	6.1 to 7.8
A2 A1g - 12 to 27 h	clay loam	moderate	2.8 to 3.4 h	6.1 to 7.8
B1 - 27 to 36 h	clay loam	moderate	1.3 to 1.6 h	6.6 to 7.8
Cg - 36 to 80 h	clay loam	moderate	6.6 to 9.4 h	6.6 to 7.8

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**USDA Natural Resources Conservation Service**      This report shows only the map units on which they occur

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