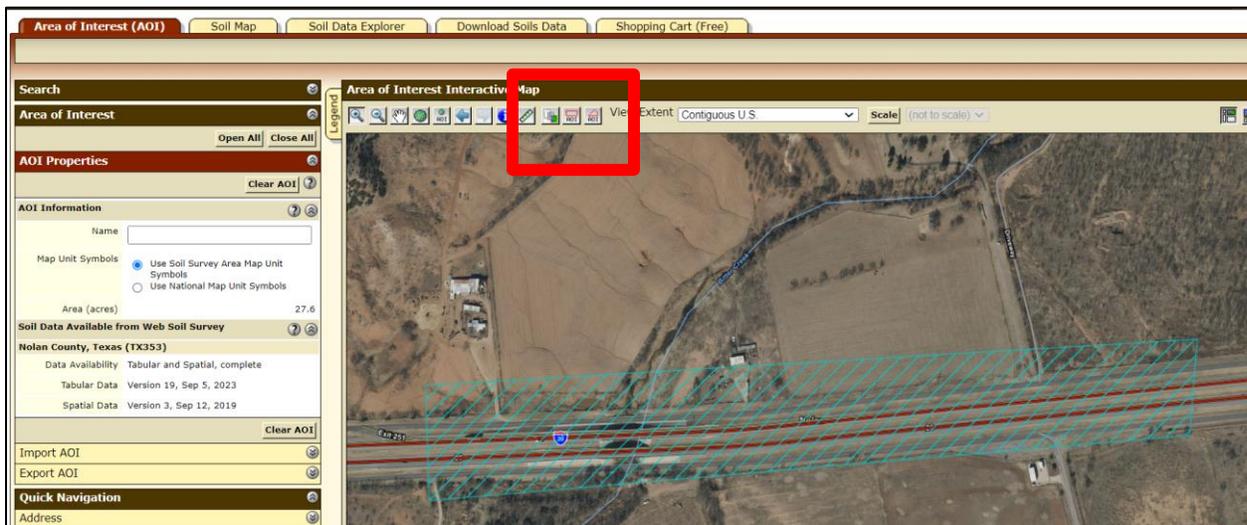


This job aid will assist you in utilizing the United States Department of Agriculture (USDA) Web Soil Survey website to obtain data needed to complete Section 1.7 Major Soil Types of the SWP3 Summary Sheet.

1. Navigate to the [Web Soil Survey](#) – Click “Start WSS”. This home page provides instruction on the four basic steps of using the Web Soil Survey. It is your responsibility to read and understand those steps.



2. Create an Area of Interest (AOI) using one of two AOI tool options:



- Click on the “Soils Map” tab. The “Soils Map” will provide you with the information needed to identify the soil name, % slope, composition percentage, drainage characteristics, and runoff characteristics. By clicking on the “Map Unit Name” you will open a tab that provided detailed information about each soil type.

The screenshot shows the 'Soils Map' tab selected in the top navigation bar. Below the navigation bar is a search bar and a 'Map Unit Legend' table. The table lists map units for Nolan County, Texas (TX353). The 'Soils Map' tab is highlighted with a red box.

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
6	Colorado loam, occasionally flooded	10.4	37.5%
7	Colorado loam, 0 to 1 percent slopes, frequently flooded	3.8	13.9%
11	Gageby clay loam, 0 to 1 percent slopes, occasionally flooded	7.7	28.0%
58	Woodward loam, 3 to 5 percent slopes, warm	5.7	20.6%
Totals for Area of Interest		27.6	100.0%

The screenshot shows the 'Map Unit Description' window open for the selected map unit. The 'Map Unit Legend' table is visible in the background, with the entry for 'Colorado loam, occasionally flooded' highlighted with a red box. The 'Map Unit Description' window provides detailed information about the soil type.

Map Unit Description

Report – Map Unit Description

Nolan County, Texas

6—Colorado loam, occasionally flooded

Map Unit Setting

- National map unit symbol: dg2r
- Elevation: 1,600 to 2,900 feet
- Mean annual precipitation: 17 to 28 inches
- Mean annual air temperature: 64 to 66 degrees F
- Frost-free period: 200 to 230 days
- Farmland classification: All areas are prime farmland

Map Unit Composition

- Colorado and similar soils: 98 percent
- Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

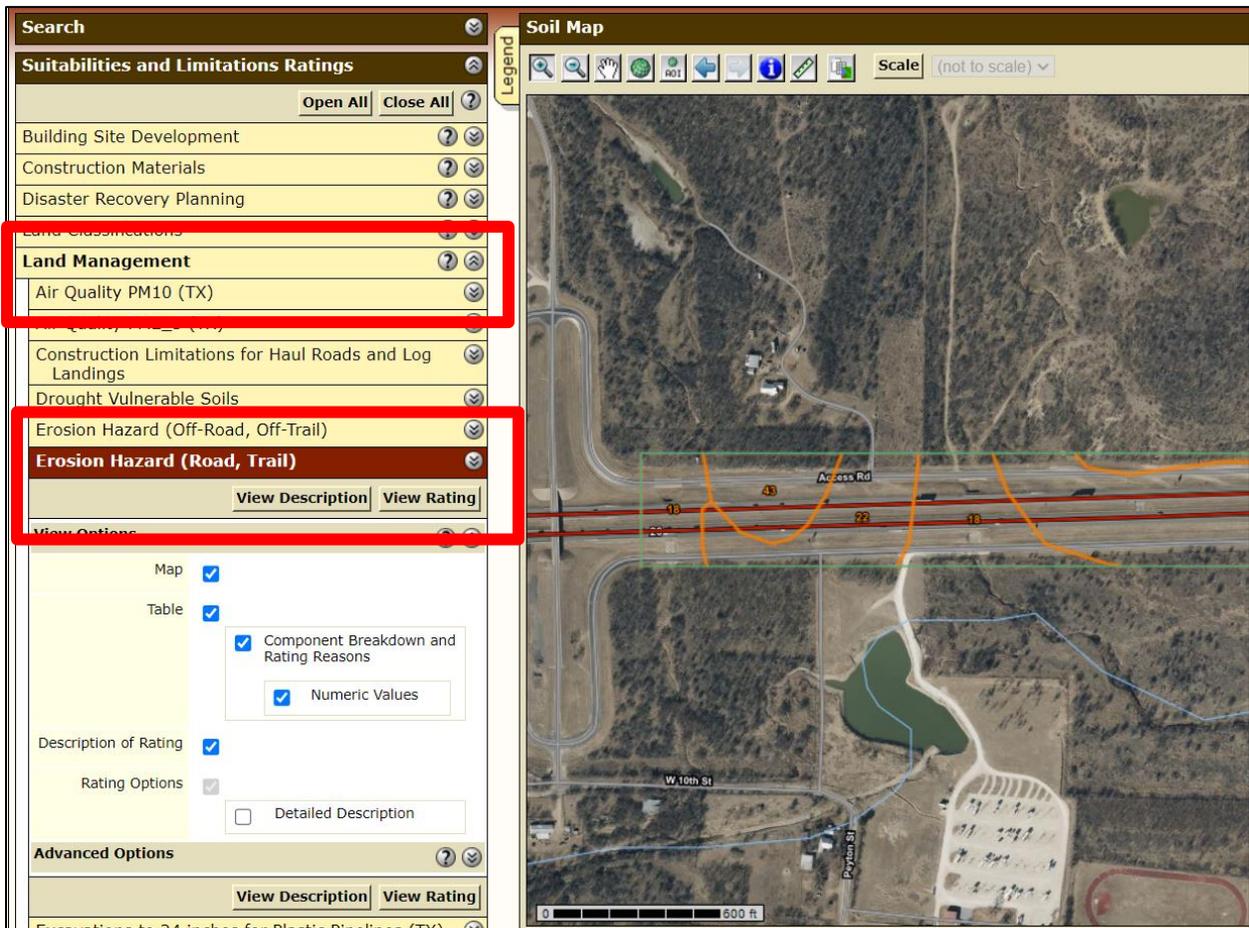
Description of Colorado

Setting

- Landform: Flood plains on draws
- Down-slope shape: Linear
- Across-slope shape: Concave
- Parent material: Loamy alluvium

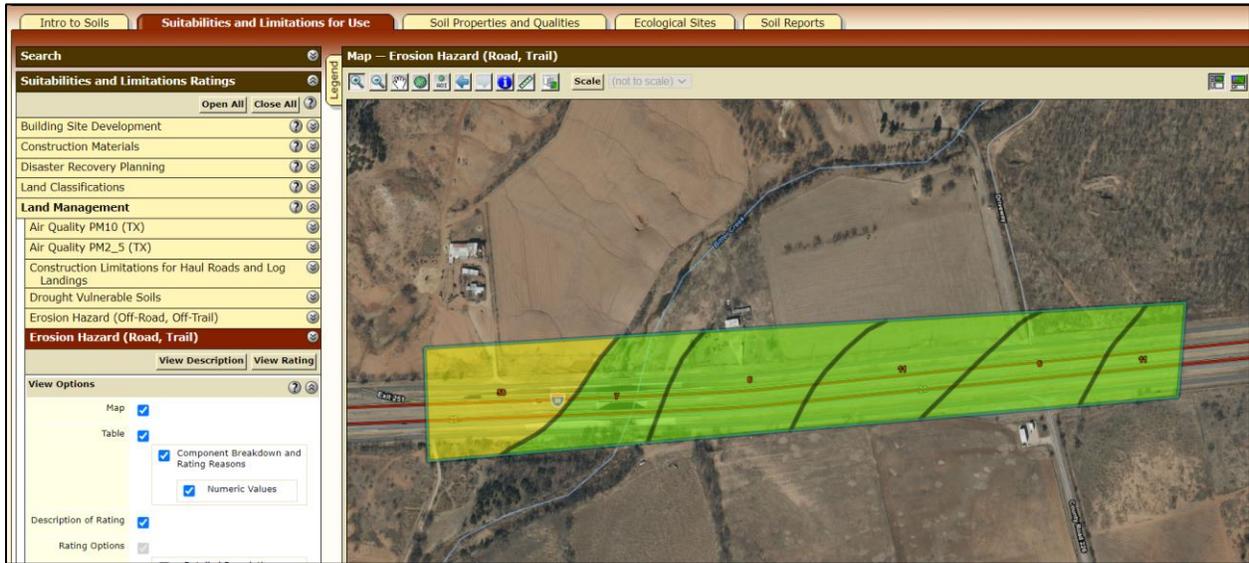
Typical profile

- Next, click on the “Soil Data Explorer” tab then “Land management”. Select the “Erosion Hazard (Road, Trail)” tab. Then select “View Ratings” and scroll down.



- You will find a map and you will see a table which list the ratings for the different soil types. Here you will be able to find the erosion potential rating.

You will see a map like this showing the soil units:



The table will look like this:

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
6	Colorado loam, occasionally flooded	Slight	Colorado (98%)		10.4	37.5%
7	Colorado loam, 0 to 1 percent slopes frequently flooded	Slight	Colorado (90%)		3.8	13.9%
11	Gageby clay loam, 0 to 1 percent slopes, occasionally flooded	Slight	Gageby (90%)		7.7	28.0%
58	Woodward loam, 3 to 5 percent slopes, warm	Moderate	Woodward (87%)	Slope/erodibility (0.50)	5.7	20.6%
Totals for Area of Interest					27.6	100.0%

Rating	Acres in AOI	Percent of AOI
Slight	21.9	79.4%
Moderate	5.7	20.6%
Totals for Area of Interest		27.6

6. Use the "Download Soils Data" tab to "Create Download Link" to download information from the analysis as a .zip file.

