

MO

Roseau County Assessor

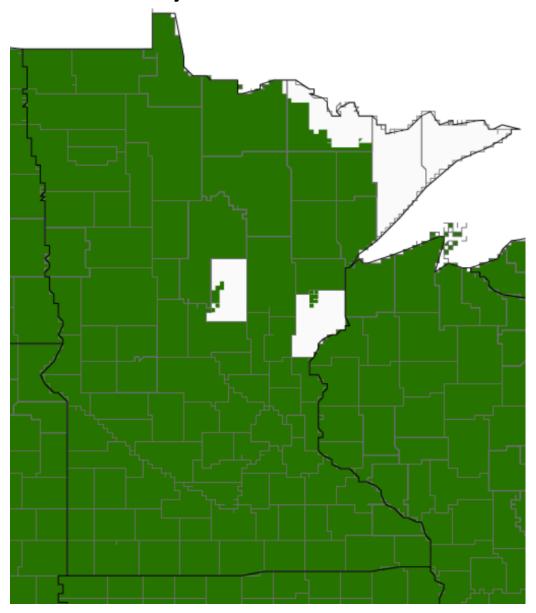
606 5th Ave. SW Room #190

Roseau, MN 56751

218-463-1861

al.heim@co.roseau.mn.us

Available Soil Survey Data As Of October 16, 2012



http://websoilsurvey.nrcs.usda.gov/app/



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- ▶ Soils Home
- National Cooperative Soil Survey (NCSS)
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- Soil Series Extent Mapping Tool
- ▶ Soil Data Mart

Densnatial Data Gateway

The simple yet powerful way to access and use soil data.



Welcome to Web Soil Survey (WSS)



Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent.

anticipates having 100 percent the nation's counties and anticipates having 100 percent the near future. The site is updated and maintained or as the single authoritative source of soil survey information

Four Basic Steps

I Want To...

- Start Web Soil Survey (WSS)
- Know the requirements for running Web Soil Survey — will Web Soil Survey work in my web browser?
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data

Announcements/Events

- Web Soil Survey 2.3 has been released! View description of new features.
- Web Soil Survey Release

PE20

Auditor use only

018096

12-21-2012

Certificate of Real Estate Value

Names of buyers (last, first, M	1)		13055 County Rd. 4		Døytime phone
Wilson, Ward, et al			Greenbush, MN 56726		()
Names of sellers (last, first, M	1)		New address		Daytime phone
Kukowski, Marilyn, e	t vir		17485 County Rd. 6 Strathcone, MN 56759		()
Street address or rural route o	f property pur	rchased	City or township		County
			Polonia Township		Roseau
1. Date of deed or contract Dec. 21, 2012	NW1/4,	Section 33, 7	chased (lot, block and plat) or attach 3 cop Township 161 North, Range 44	ies of the legal description West.	
Financial arrangements	3				
2s168,000.00 price			orty included in purchase price (e.g., furniture) If yes, list property and	e, inventory, equipment)?	•
3. Down payment					
				\$	
4. Points or prepaid interest p	aid by seller		f personal property		S
					\$
6. Type of acquisition (c	check all the	at apply)			
1031 exchange			Buyer purchased partial interest on	ely Property rec	ceived as gift or inheritance
Buyer and seller are relatives or related businesses				ceived in trade	
Buyer or seller is religious or charitable organization				greement signed over two years ago	
Buyer or seller is unit			Property condemned or foreclosed		
7. Type of property tran	sferred (ch	eck all that apply)			
X Land only	Land an	d buildings	Construction of new building after I	an, 1 of year of sale	
8. Planned use of prope	erty (check	one)			
	red former			eres .	
Residential; single far			XAgricultural. Number of acres: 1	60± (at	tach Schedule PE20A).
Residential; single far	mily		LPAgnountural, Number of acres;	(40	tach Schedule PE20A). (attach Schedule PE20A).
	mily	rcial)	LPAgnountural, Number of acres;	e units). Number of units:	



You are here: Web Soil Survey Home

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START

WSS

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anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Four Basic Steps



I Want To ...

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- Know the requirements for running Web Soil Survey — will Web Soil Survey work in my web browser?
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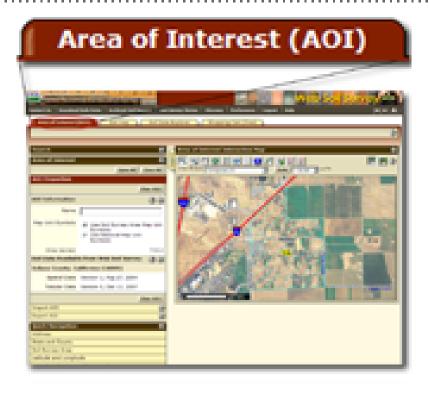
Announcements/Events

- Web Soil Survey 2.3 has been released! View description of new features.
- Web Soil Survey Release History

Four Basic Steps

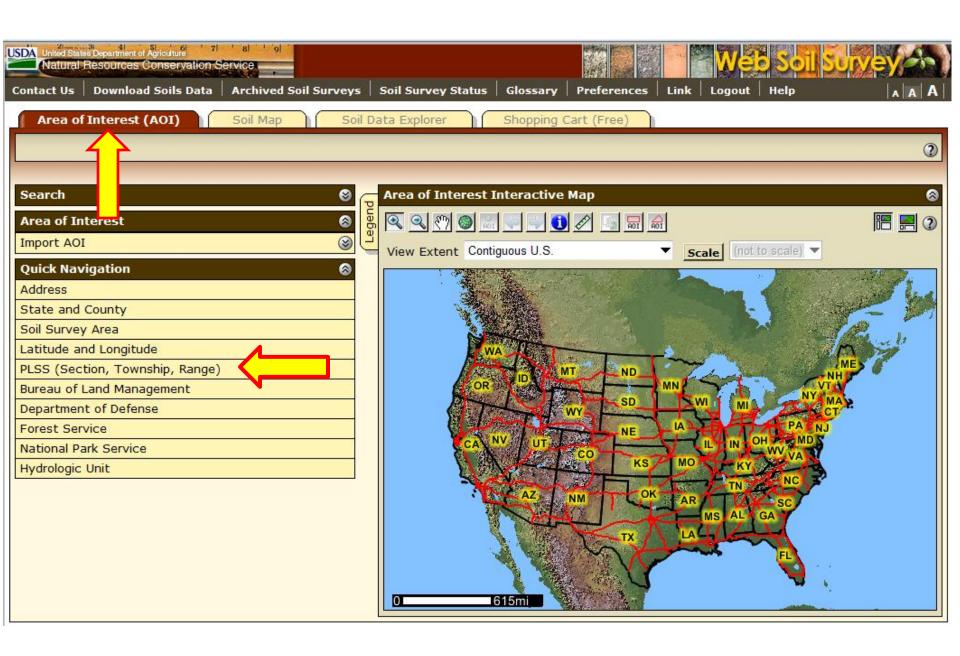
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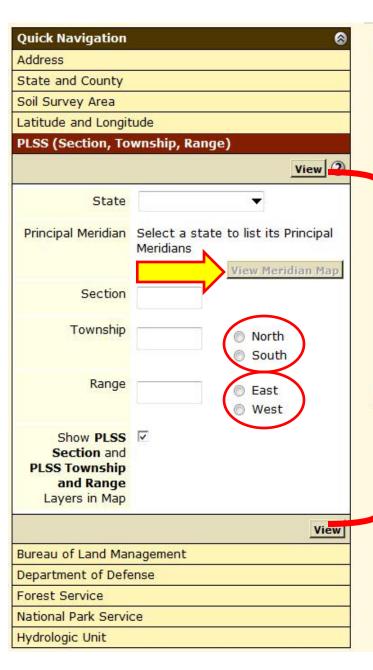
Define.

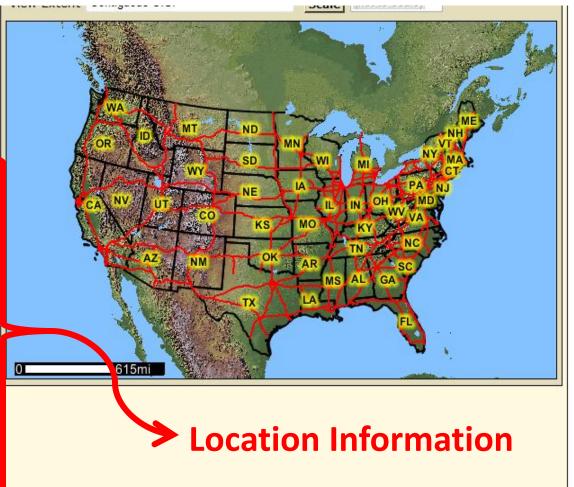


Use the Area of Interest tab to define your area of interest.

Click to view larger image.

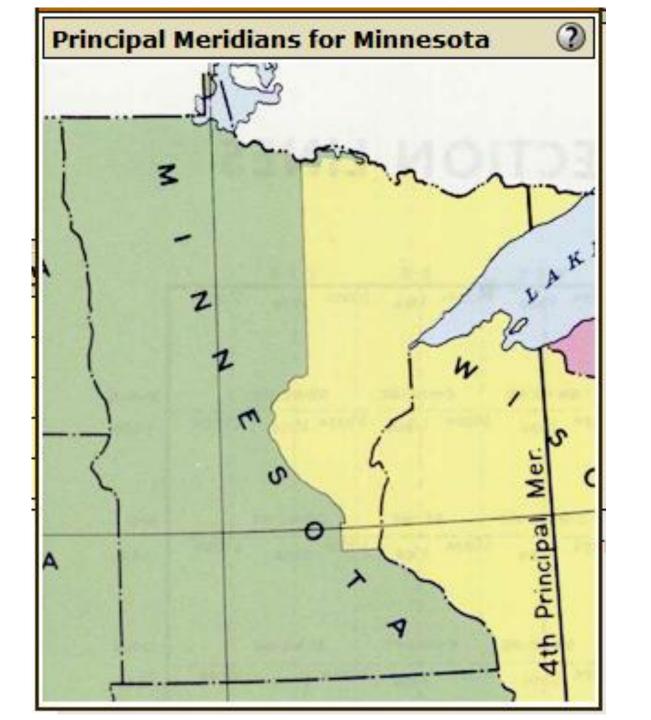


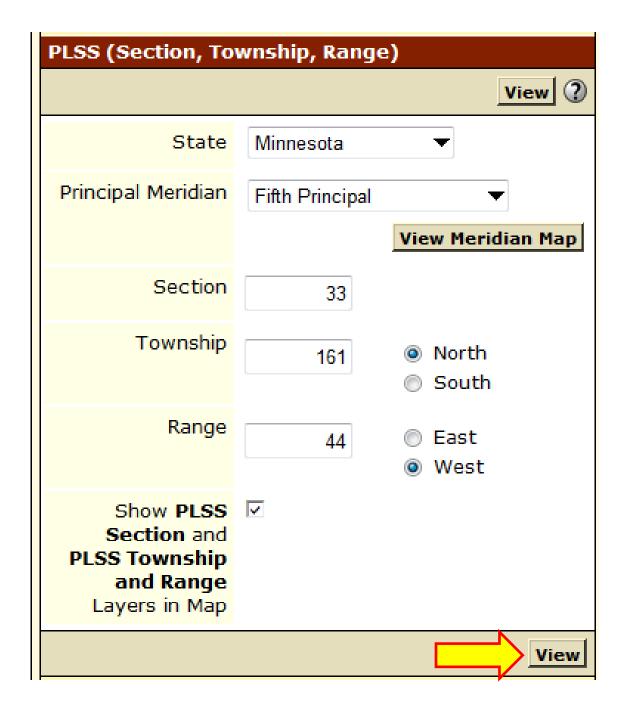


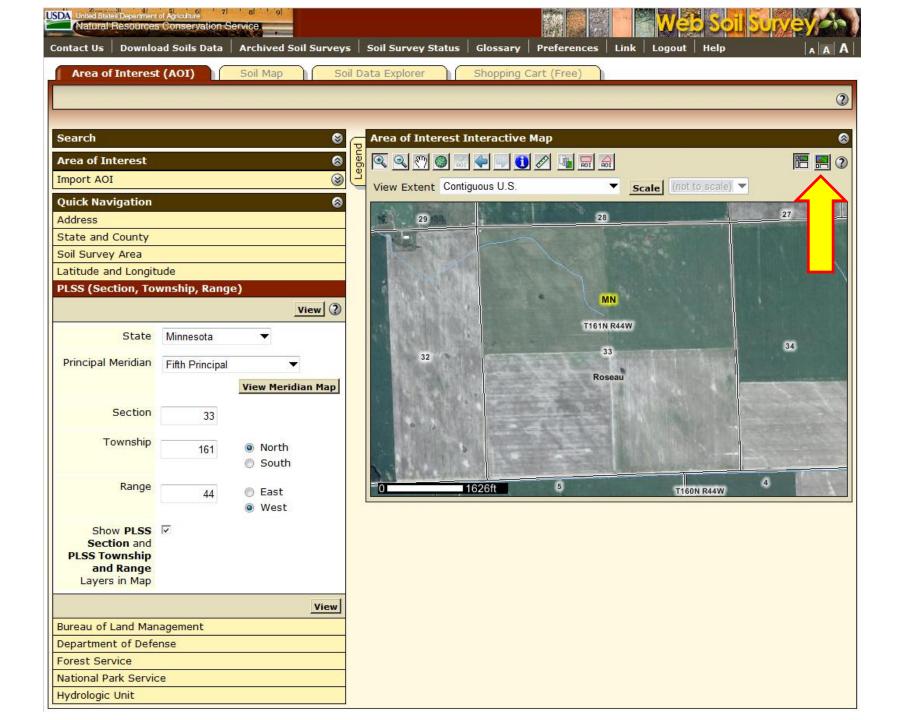


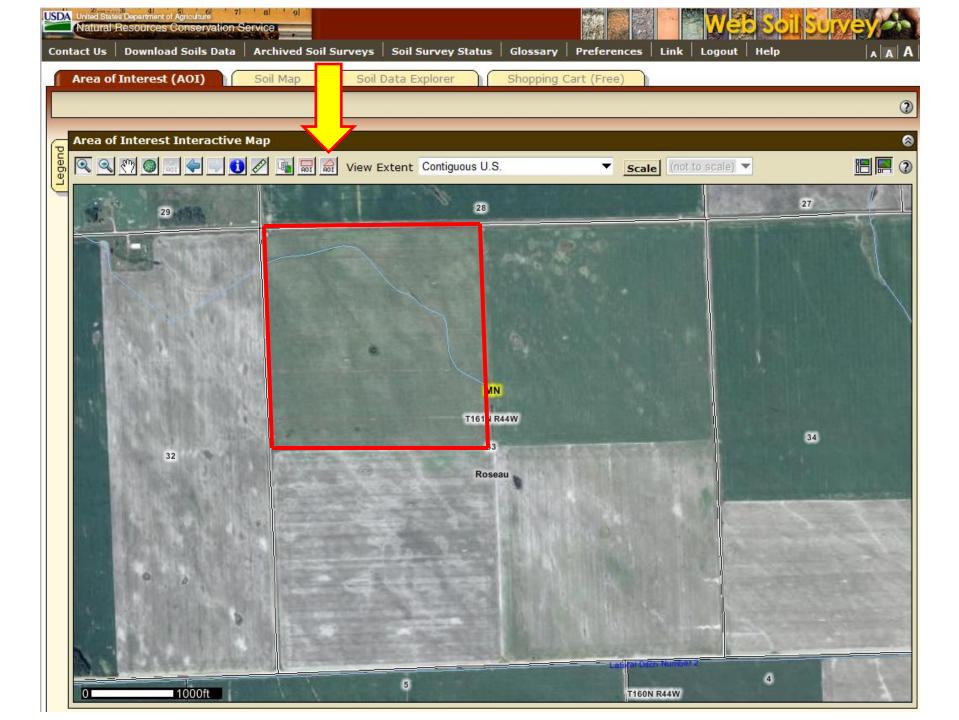
Select Minnesota under State. Enter the Section, Township and Range. For Minnesota select North, then East

or West depending on location.

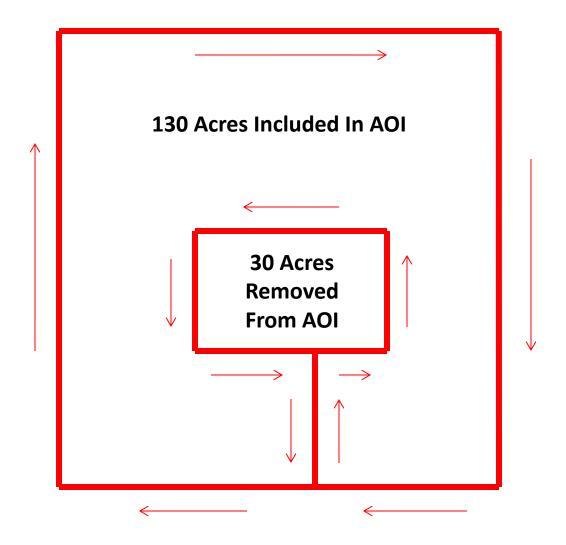




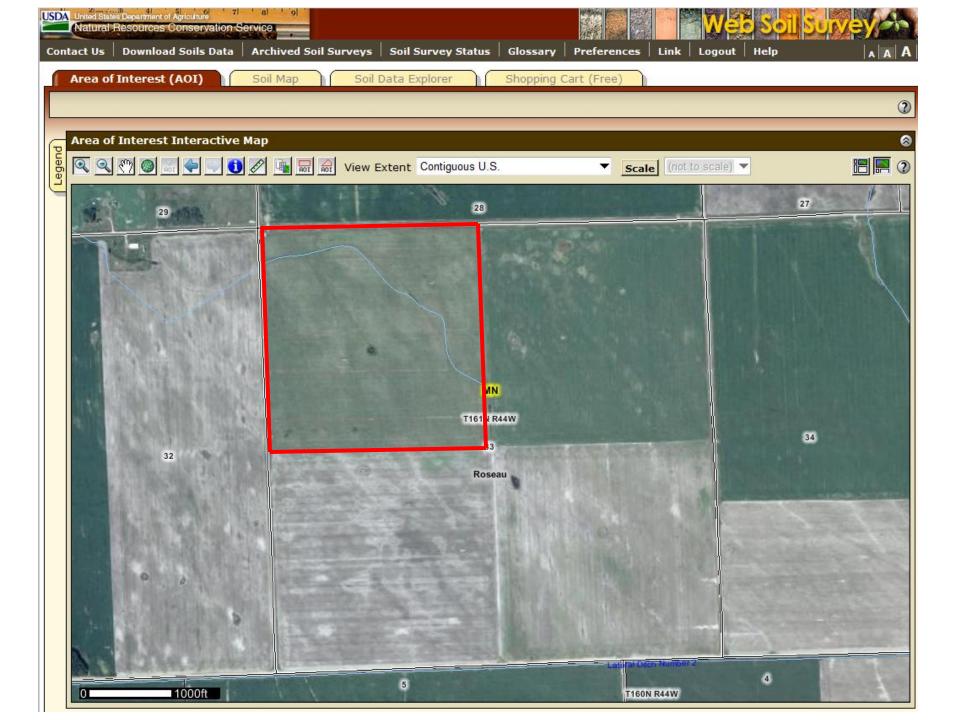


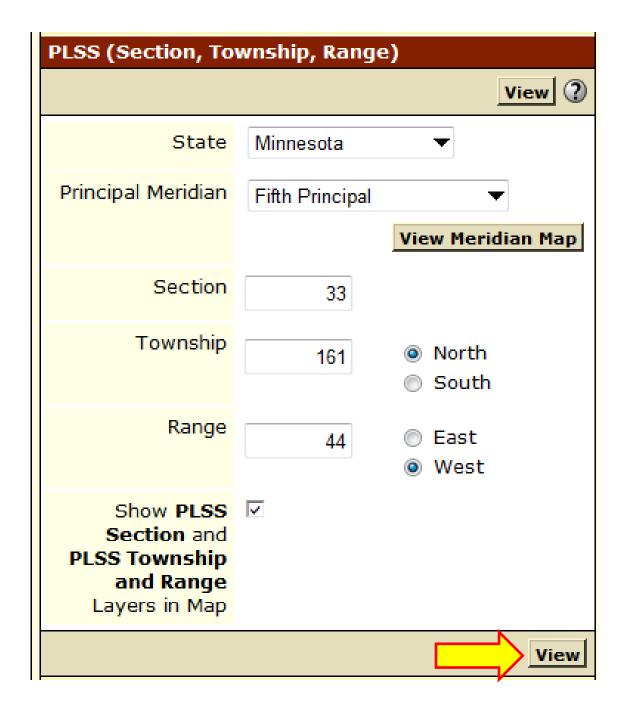


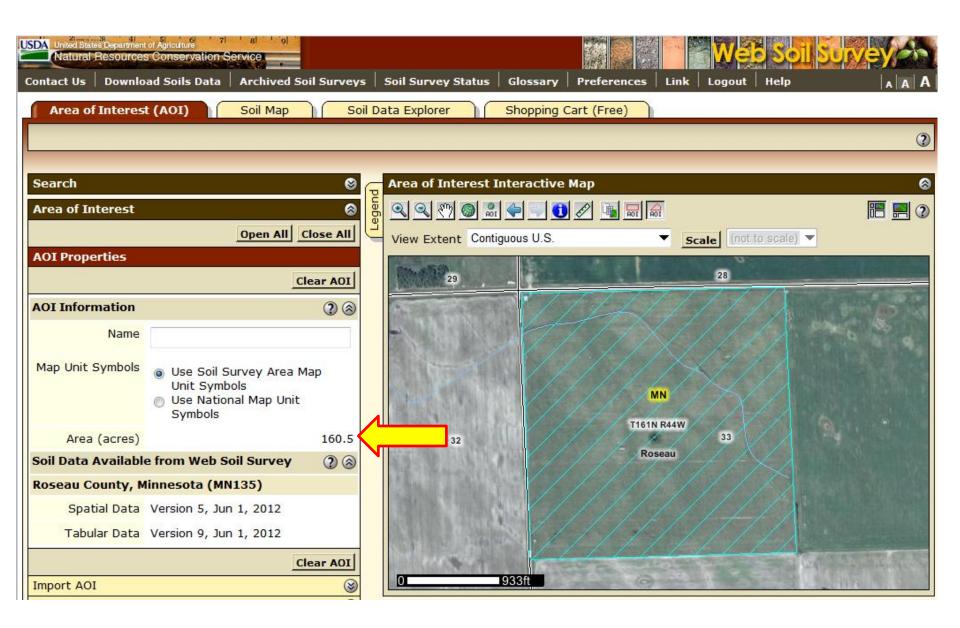
Removing Area Within Area of Interest



160 Acre Parcel With 30 Acres Removed



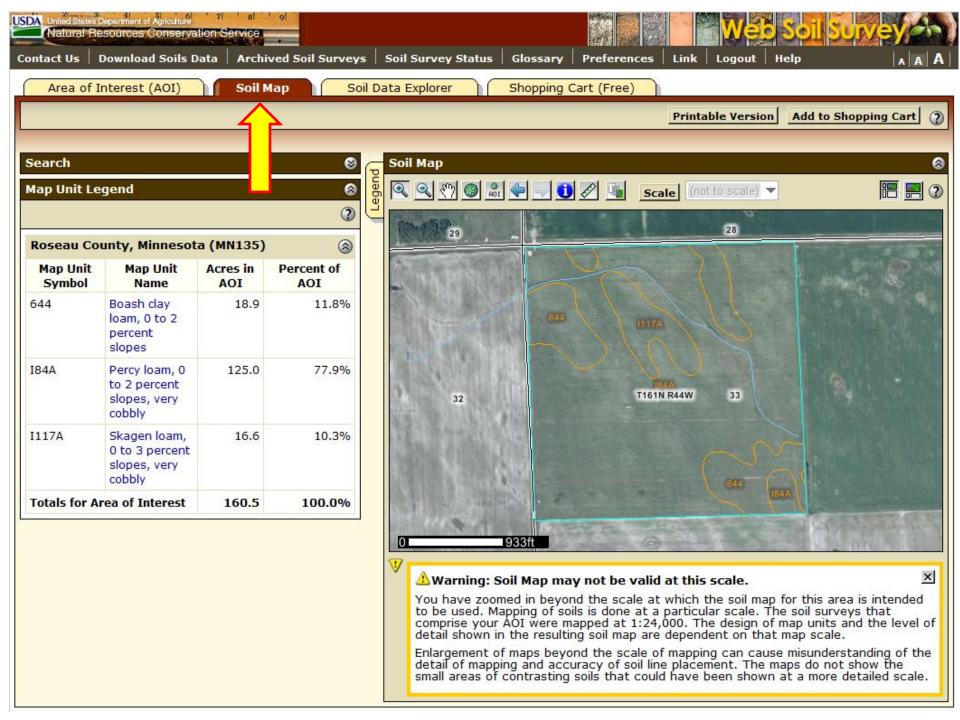






Click the Soil Map tab to view or print a soil map, and detailed descriptions of the soils in your Area of Interest.

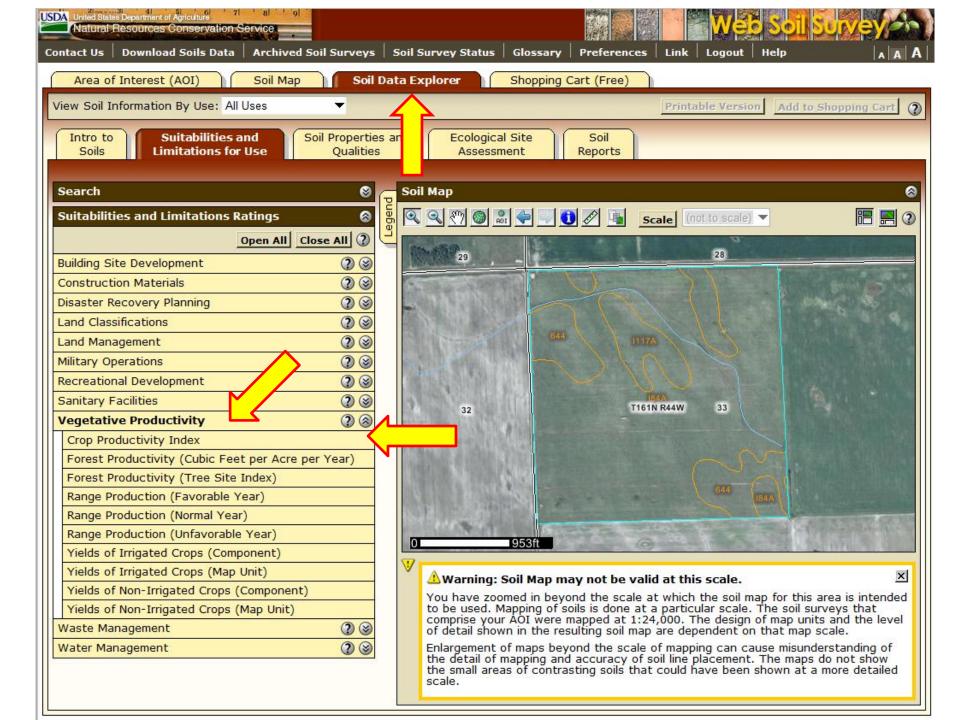
Click to view larger image.

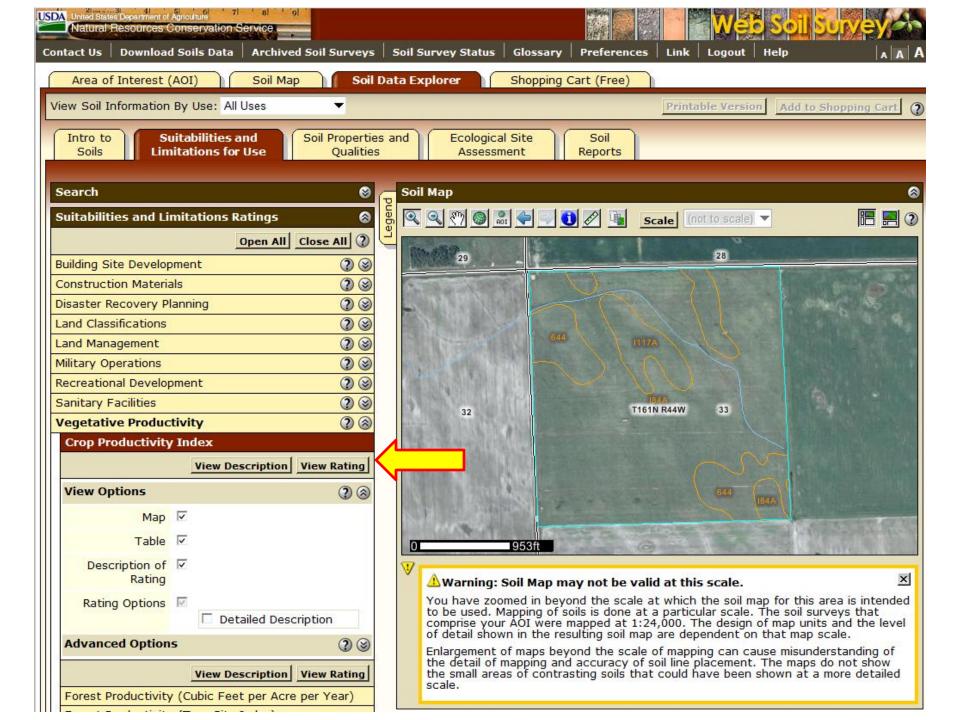


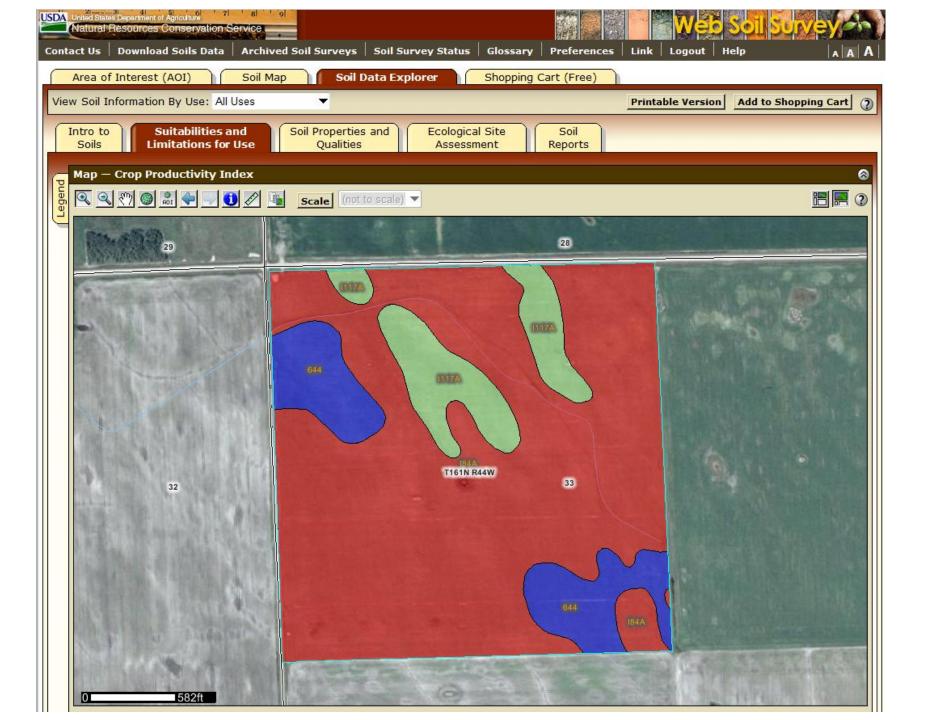


Click to view larger image.

Click the Soil Data Explorer tab to access soil data for your area and determine the suitability of the soils for a particular use. The items you want saved in a report can be added to your shopping cart.







Tables — Crop Productivity Index — Summary By Map Unit

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Summary by Map Unit — Roseau County, Minnesota (MN135)					
Map unit symbol	Map unit name	(Rating)	Acres in AOI	Percent of AOI	
644	Boash clay loam, 0 to 2 percent slopes	88	18.9	11.8%	
184A	Percy loam, 0 to 2 percent slopes, very cobbly	69	125.0	77.9%	
I117A	Skagen loam, 0 to 3 percent slopes, very cobbly	74	16.6	10.3%	
Totals for Area of Interest			160.5	100.0%	

Description — Crop Productivity Index



Crop productivity index ratings provide a relative ranking of soils based on their potential for intensive crop production. An index can be used to rate the potential yield of one soil against that of another over a period of time. Ratings range from 0 to 100. The higher numbers indicate higher production potential. The rating is not crop specific.

When the soils are rated, the following assumptions are made: a) adequate management, b) natural weather conditions (no irrigation), c) artificial drainage where required, d) no frequent flooding on the lower lying soils, and e) no land leveling or terracing. Even though predicted average yields will change with time, the productivity indices are expected to remain relatively constant in relation to one another over time.

Determining the Average CPI

Musym	CPI	Acres in AOI	CPI x Acres
644	89	18.9	1682.1
184A	69	125.0	8,625.0
l 117A	74	16.6	1,228.4
	Total	160.5	11,535.5

Total CPI x Acres 11,535.5 **Total Acres** 160.5

= Average CPI for AOI

71.9

Determining and Applying a CPI Multiplier

Determining Multiplier

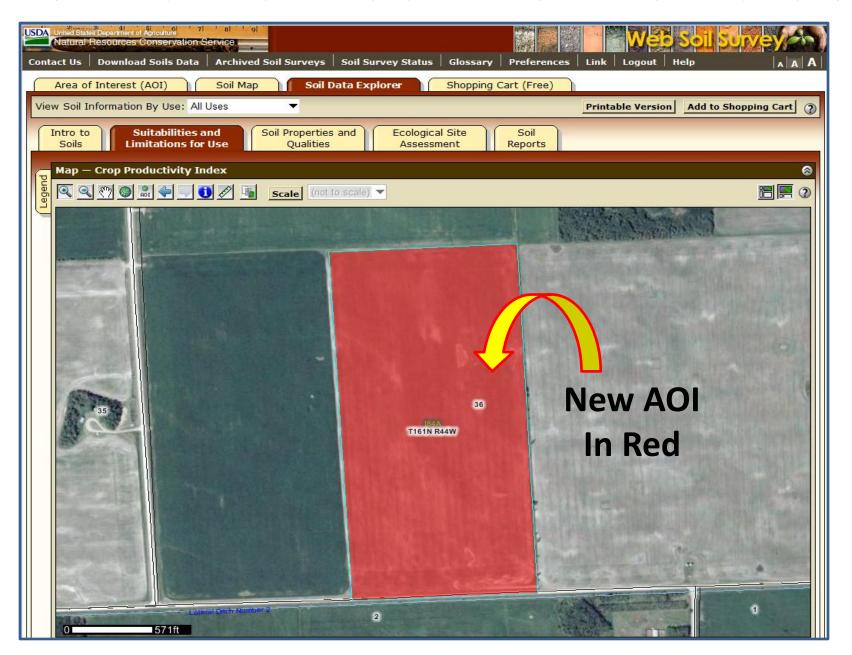
Sale Price \$168,000 Acres 155.0

Sale Price Per Acre = \$1,084

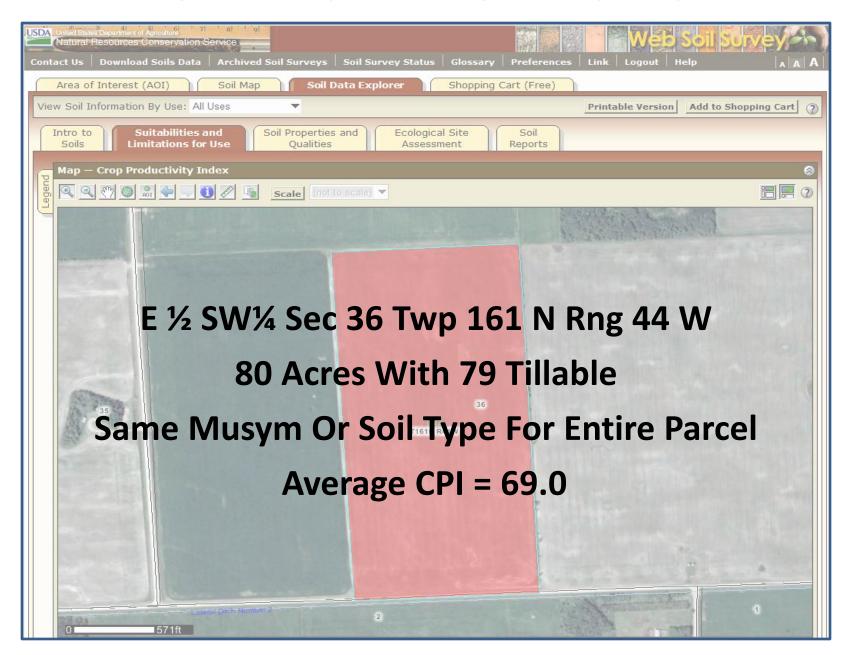
Average CPI for AOI 71.9

100% CPI Multiplier = 15.1

Define AOI You Wish To Value



New AOI Information



Tables — Crop Productivity Index — Summary By Map Unit



Summary by Map Unit — Roseau County, Minnesota (MN135)					
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI	
I84A	Percy loam, 0 to 2 percent slopes, very cobbly	69	80.1	100.0%	
Totals for Area of Interest			80.1	100.0%	

Description — Crop Productivity Index



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Applying Multiplier

95% CPI Of Multiplier 14.3

Depending On The Level Of Assessment You Choose To Achieve

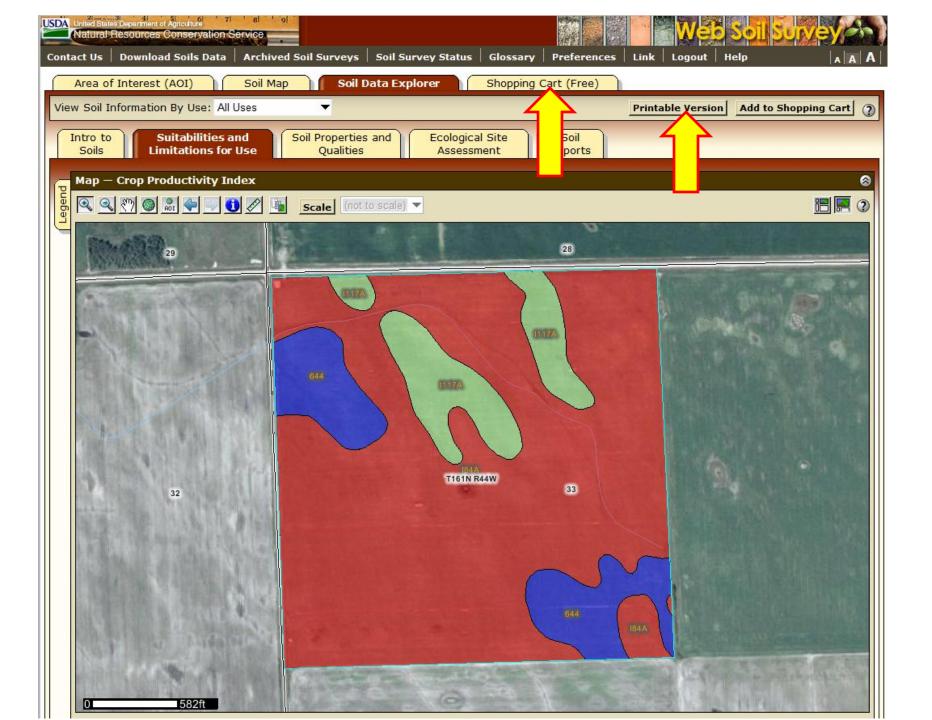
Applying Multiplier

```
95% CPI Of Multiplier 14.3
x Average CPI
                       69.0
                      $987
EMV Till Per Acre =
x Till Acres
                       79.0
                   $78,000
EMV =
```



Use the Shopping Cart tab to get your custom printable report immediately, or download it later.

Click to view larger image.





MAP LEGEND

Area of Interest (ACI) Area of Interest (AOI) Soils Soil Map Units Soil Ratings <# 69 > 69 AND <= 74 > 74 AND <= 88 Not rated or not available Political Features Cities PLSS Township and Range PLSS Section Water Features Streems and Canals Transportation 644 Rolls Interstate Highways US Routes _ Major Roads Local Roads مراعر

MAP INFORMATION

Map Scale: 1:6,430 if printed on A size (8.5" X 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rety on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 14N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Roseau County, Minnesota Survey Area Data: Version 10, Jun 1, 2012

Date(s) aertal images were photographed: 6/20/2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Crop Productivity Index

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
544	Boash clay loam, 0 to 2 percent slopes	88	18.9	11.8%
IB4A	Percy loam, 0 to 2 percent slopes, very cobbly	69	125.0	77.9%
I117A	Skagen loam, 0 to 3 percent slopes, very cobbly	74	16.6	10.3%
Totals for Area of Interest			180.6	100.0%

Description

Crop productivity index ratings provide a relative ranking of soils based on their potential for intensive crop production. An index can be used to rate the potential yield of one soil against that of another over a period of time. Ratings range from 0 to 100. The higher numbers indicate higher production potential. The rating is not crop specific.

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Rating Options

Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

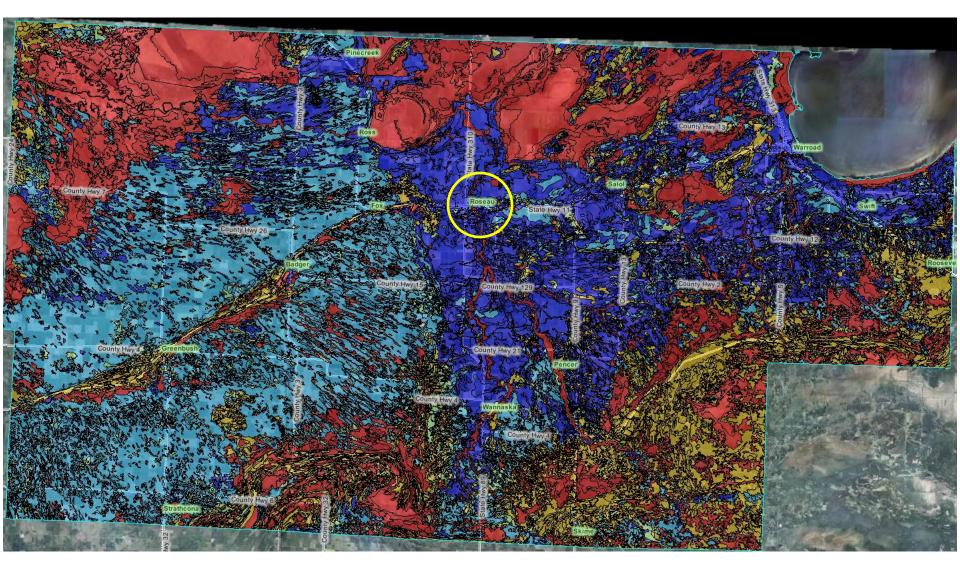
Tle-break Rule: Higher

Interpret Nulls as Zero: Yes

ROSEAU COUNTY CPI MAP UNIT CONVERSION LEGEND

Musym	CPI	Map Unit Name	Farmland Classification	Old Musym
1356	0	Water, miscellaneous	Not prime farmland	
1399B	34	Two Inlets loamy sand, noncalcareous substratum, 0 to 6 percent slopes	Not prime farmland	
1401	15	Grygla mucky loamy fine sand, depressional, 0 to 1 percent slopes	Not prime farmland	
1402	15	Leafriver muck, wooded, 0 to 1 percent slopes	Not prime farmland	
1404	5	Berner muck, wooded, 0 to 1 percent slopes	Not prime farmland	
1405	5	Lallie mucky silt loam, map 18-22, 0 to 1 percent slopes	Not prime farmland	
1428	52	Karlsruhe sandy loam, map 18-22, 0 to 3 percent slopes 2002	Not prime farmland	
1444	39	Wurtsmith loamy sand, map 22-30, 0 to 3 percent slopes +109	Not prime farmland	
1448	79	Grano clay, map 18-22, 0 to 2 percent slopes	Prime farmland if drained	
1449	83	Grano loam, map 18-22, 0 to 2 percent slopes	Prime farmland if drained	
1807	5	Cathro muck, ponded, map 22-30, 0 to 1 percent slopes	Not prime farmland	
1808	5	Markey muck, ponded, map 22-30, 0 to 1 percent slopes	Not prime farmland	
1918	89	Croke very fine sandy loam, 0 to 2 percent slopes	All areas are prime farmland	
1923B	35	Garnes loam, 1 to 4 percent slopes, very stony	Not prime farmland	
1984	15	Leafriver muck, 0 to 1 percent slopes	Not prime farmland	
I16F	20	Fluvaquents, flooded-Hapludolls complex, 0 to 30 percent slopes	Not prime farmland	1067
I41A	5	Markey muck, 0 to 1 percent slopes	Not prime farmland	543
I42A	5	Markey muck, ponded, 0 to 1 percent slopes 1936	Not prime farmland	1808
I47A	45	Poppleton fine sand, 0 to 3 percent slopes 47	Not prime farmland	48B
I75A	40	Radium-Sandberg-Garborg complex, 0 to 3 percent slopes	Not prime farmland	721B
I76A	42	Karlstad loamy sand, 0 to 3 percent slopes	Farmland of statewide importance	205
I77A	18	Deerwood muck, dense till, 0 to 1 percent slopes	Not prime farmland	547

Remember the assumptions. One being artificial drainage is provided where needed. You may need to regionalize & adjust multipliers within your county.



Possible Benefits In Using CPI

Help Resolve Land Breakdown Disputes
Help Promote & Illustrate Equalization
Ability To Setup Market Based Regions
May Be A Basis For Establishing GA Values
May Help In Determining Non Till Values

By Tracking CPI Multiplier From The Beginning Of A Study Period To The End, It May Assist In Establishing A Time Adj.

QUESTIONS?