How to Gather Site Data

From Google Earth Pro and Other Sources

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Downloading Google Earth Pro

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System requirem

PC - Windows XP, V Vista, or Windows 7

Mac - Mac OS X 10

Linux - LSB 4.0 (Lin Base) libraries

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Install Google Earth Pro

- Find GoogleEarthProSetup.exe where you downloaded it. The default location is your Downloads folder.
- Double click the file to open, and work through the dialogues to install the program.



Downloading the water features to use in Google Earth Pro

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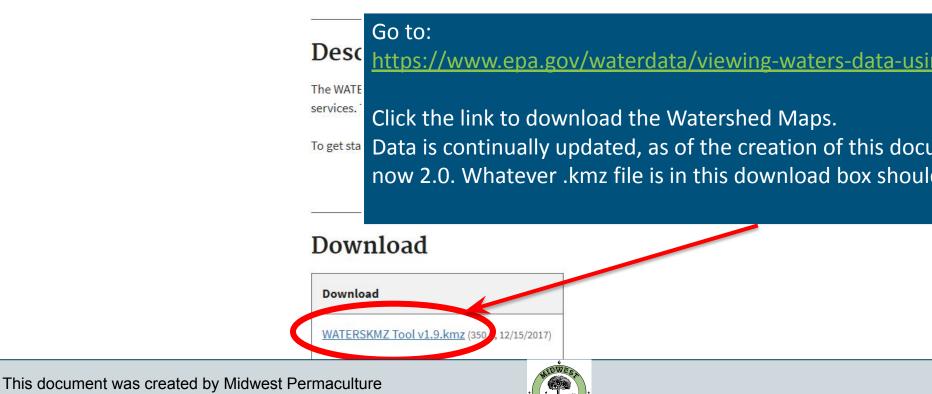
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Related Topics: Water Data and Tools

Viewing WATERS Data using Google Eart

- Description
- <u>Download</u>
- Interface Overview
- Available Data
- <u>Metadata</u>
- <u>Usage Notes</u>
- Terms of Use and Disclaimer
- <u>Changelog</u>

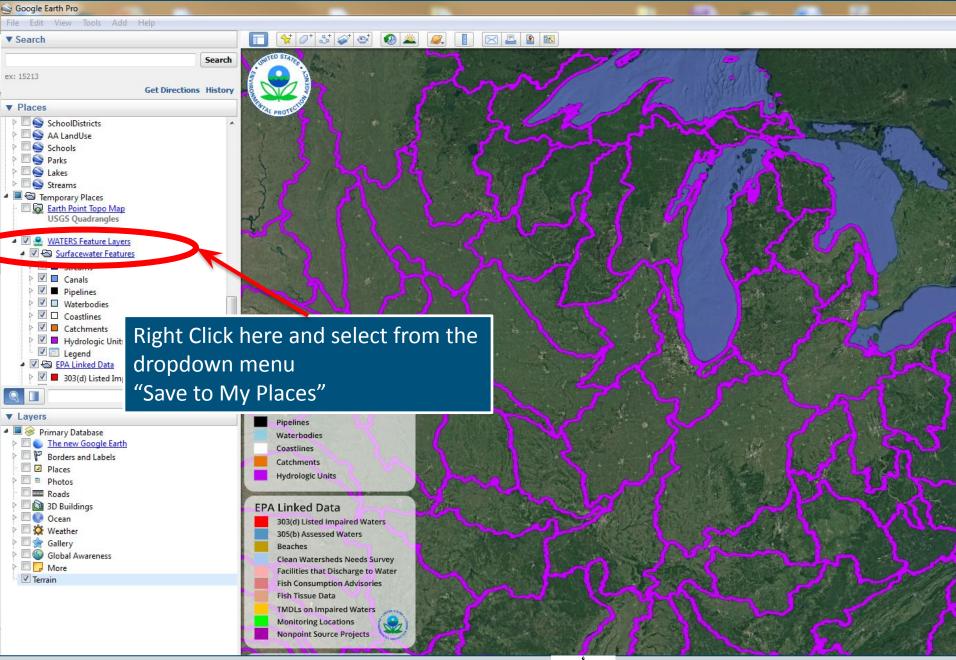


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Adding the Water features application to Google Earth Pro

- Find WATERSKMZ v2.0.kmz (as it is continually updated the name may be similar but slightly different) where you downloaded it. The default location is your Downloads folder.
- Double click the file, and it will open in Google Earth Pro





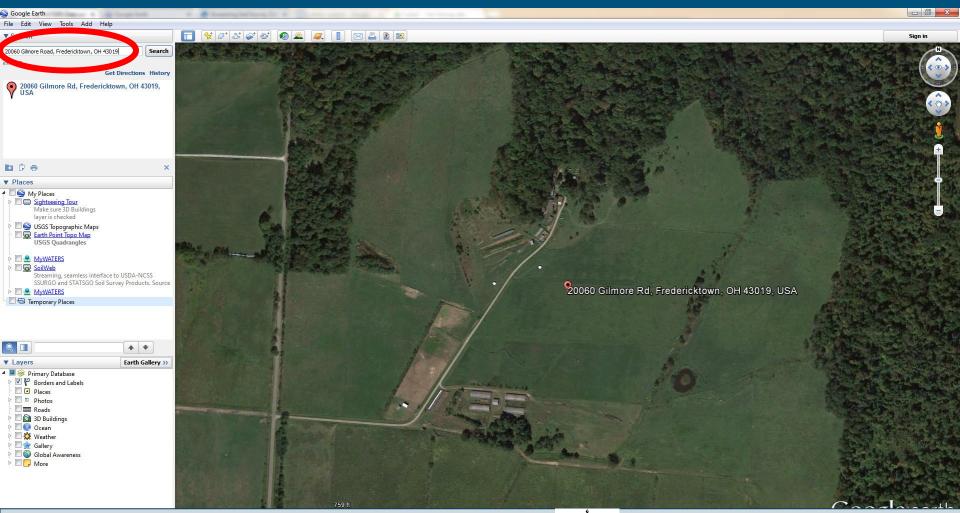


Gathering the Data for Your Desired Location

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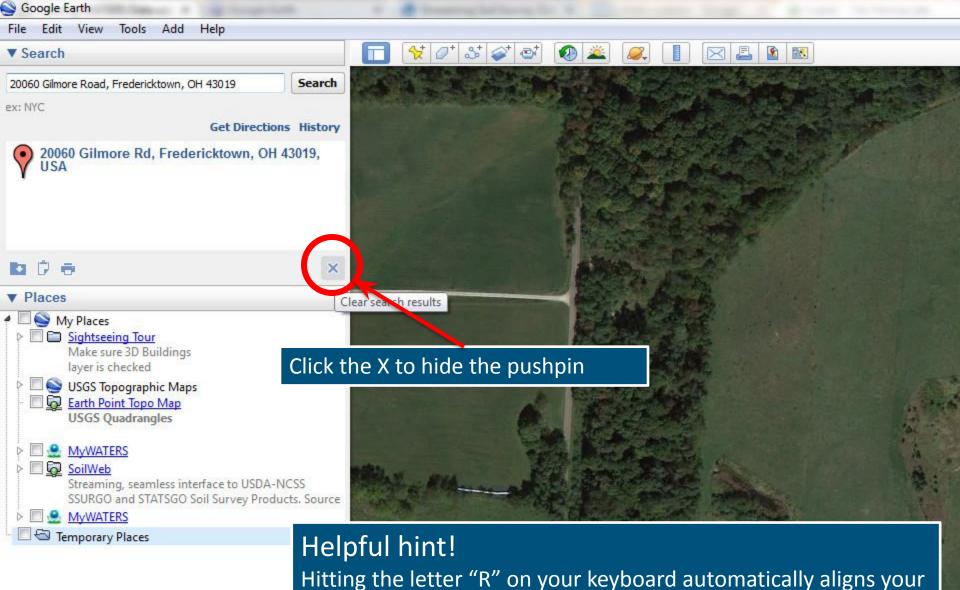


Enter your address



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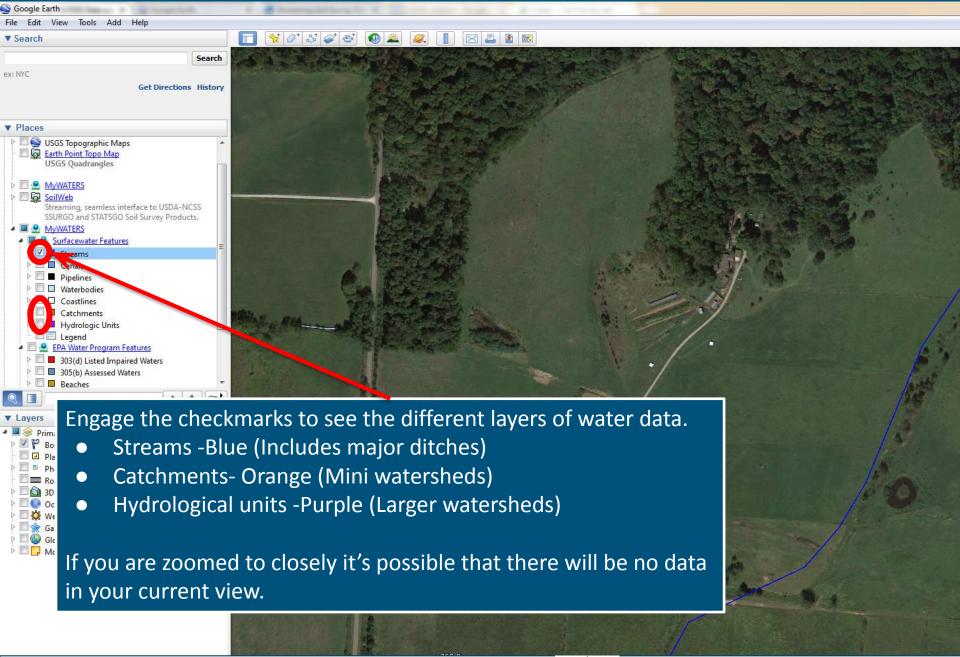




view directly overhead while orienting the map to true North.

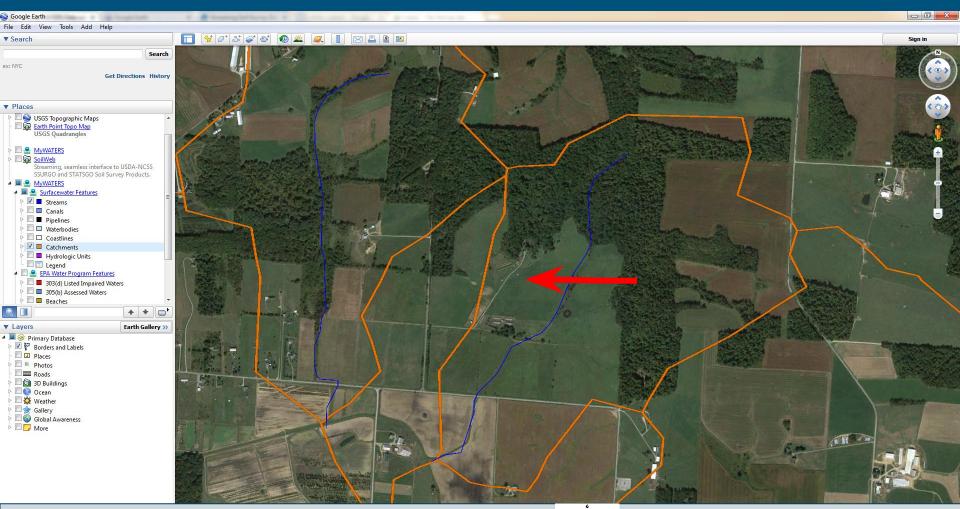
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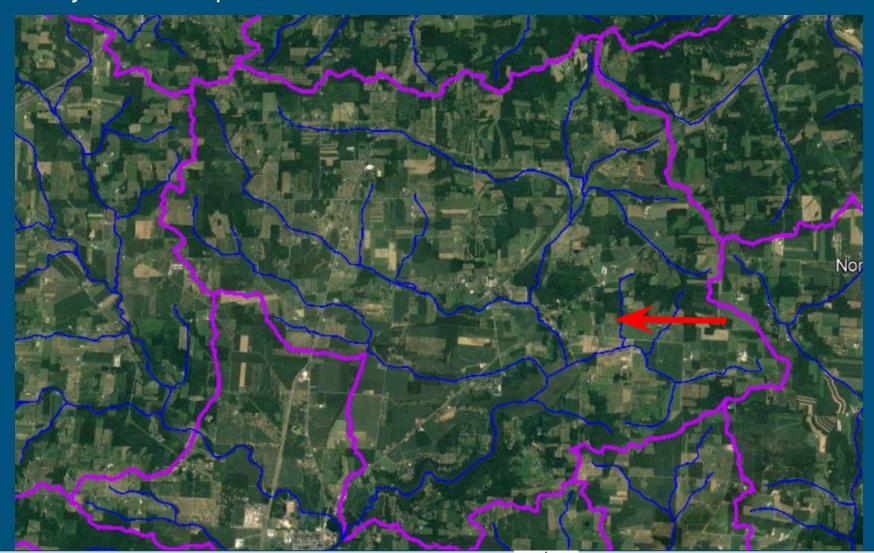
Example of streams and local catchment areas (Mini watershed)



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Zoom out to view the Hydrological Units (Larger watershed areas) Can you find the point at w<u>hich all these streams leave the watershed?</u>



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Left click within the purple watershed to view its data and name.

This is the "East Branch Kokosing River" watershed.

Surfacewater Feature:
Hydrologic Units

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Description	Value
Shape	Polygon
Area (acres)	20206.182259
Area (square kilometers)	81.77151
State(s)	OH
Code	050400030102
Name	East Branch Kokosing River

(More about this Surfacewater Feature)

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North Liberty

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Other features in Google Earth Pro

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Google Earth

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Soil Data

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SoilWeb Apps

SoilWeb products can be used to access USDA-NCSS detailed soil survey data (SSURGO) for most of the United States. Please choose an interface to SoilWeb:

SoilWeb avey areas using an interactive Google map. View detailed information Explore so about map units and their components. This app runs in your web browser and is compatible with desktop computers, tablets, and smartphones.

SoilWeb

SoilWeb Earth

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Soil survey data are delivered dynamically in a KML file, allowing you to in a 3-D display. You must have Google Earth or some other means of v installed on your desktop computer, tablet, or smartphone.

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CDAVIS

Click the link to view the Soil Data using an interactive Google Map.

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SoilWeb

Welcome

This interactive map allows you to explore USDA-NCSS soil survey data for locations throughout most of the U.S. It is compatible with smartphones, tablets, and desktop computers.

Getting Started

 Go to Menu->Zoom To Location to enter your area of interest or let your browser determine your current location.

2) Click on the map to identify "map units", which are delineated by the yellow lines. Then click on the expandable category headings to view the data of interest to you.

For help with soil survey terms and definitions, see the topics under Menu->Help.

About This App

This app was developed by the <u>California Soil Resource Lab</u> at UC Davis and UC-ANR in collaboration with the <u>USDA Natural</u> <u>Resources Conservation Service</u>.

UCDAVIS ONRCS University of California

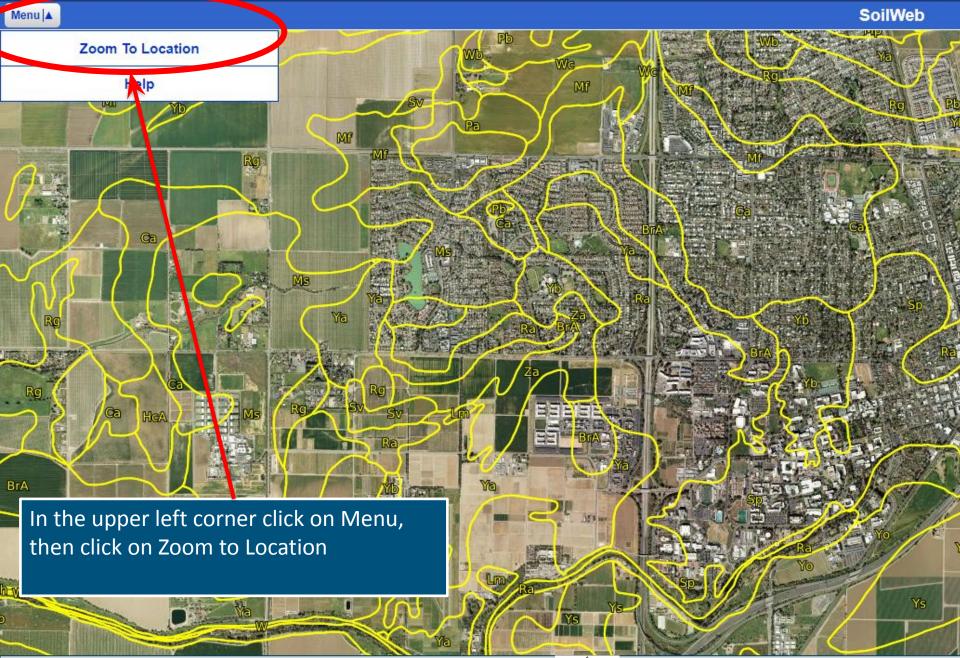
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OK

Check the box and click OK.

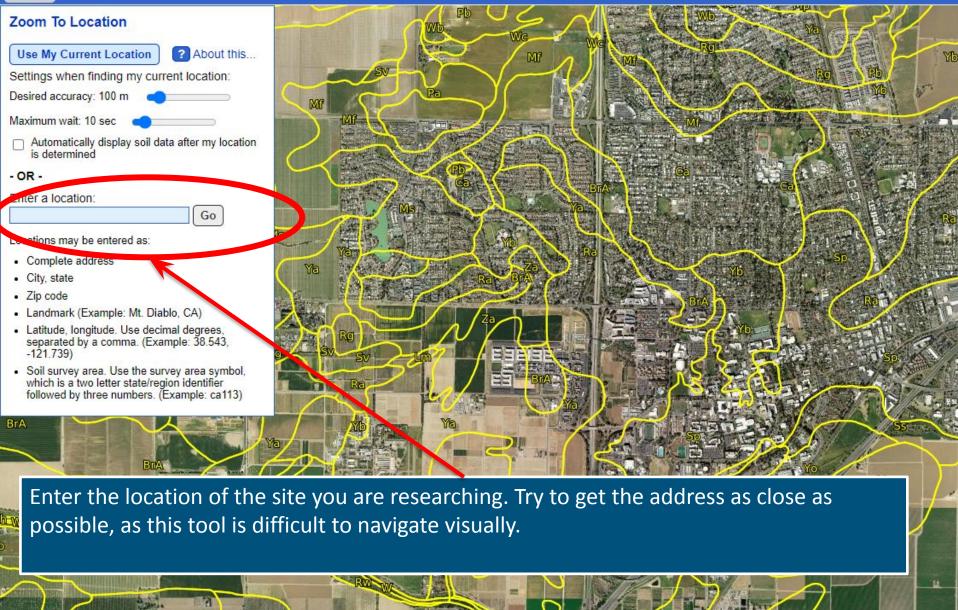
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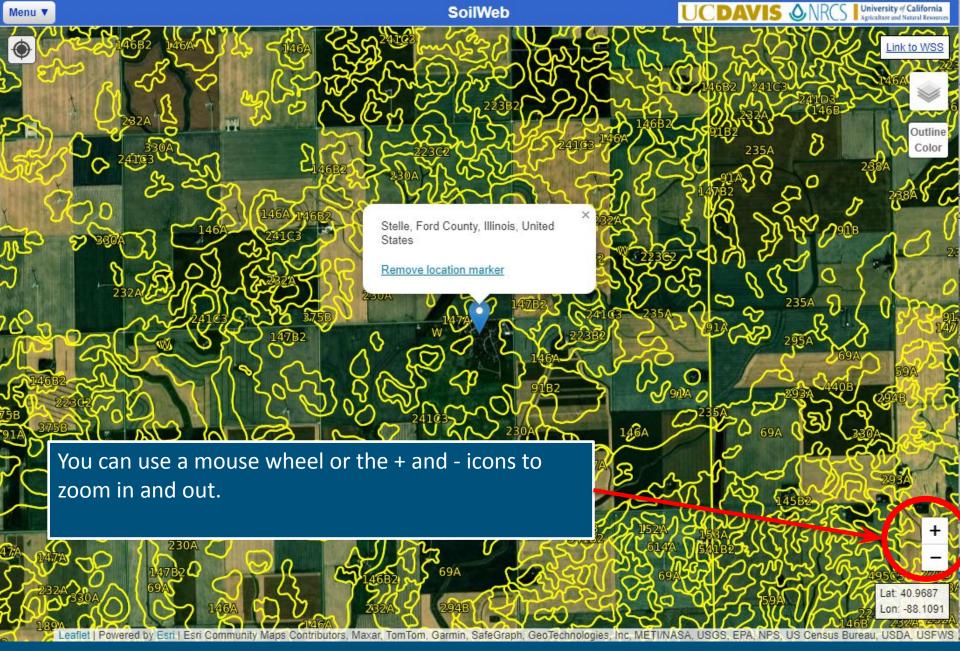


SoilWeb



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SoilWeb

If you are having trouble finding your site switching to the labeled Imagery Base Map might make things easier. Move your mouse over the layers icon to see what other Base Maps are available.

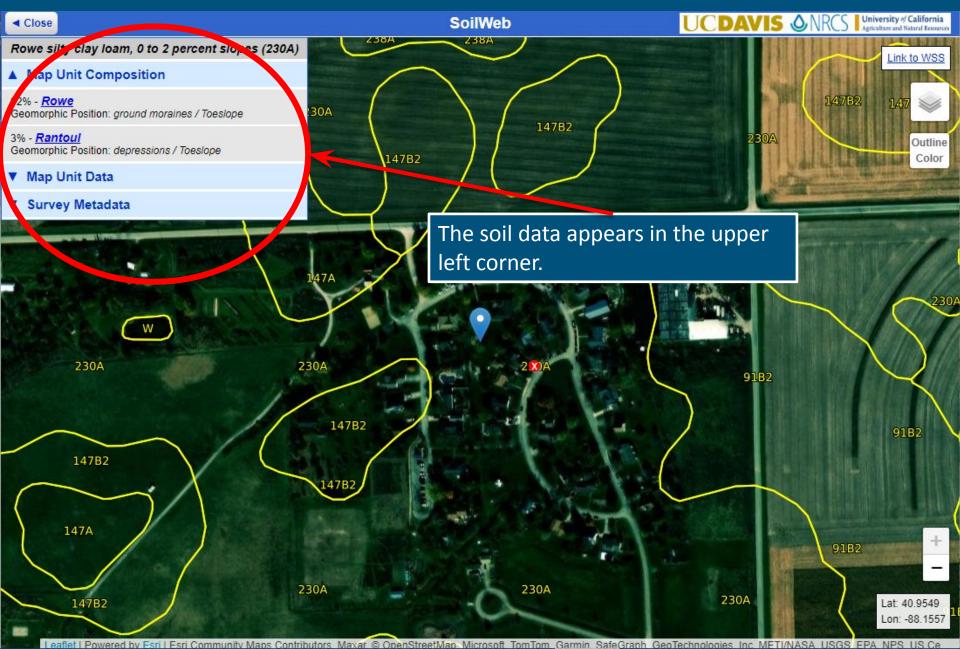


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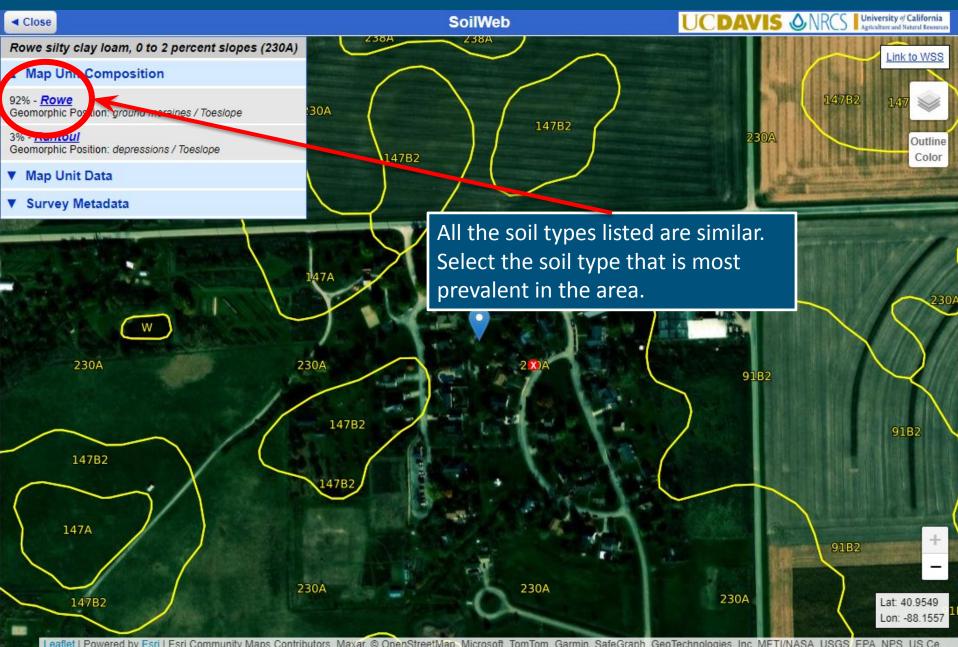




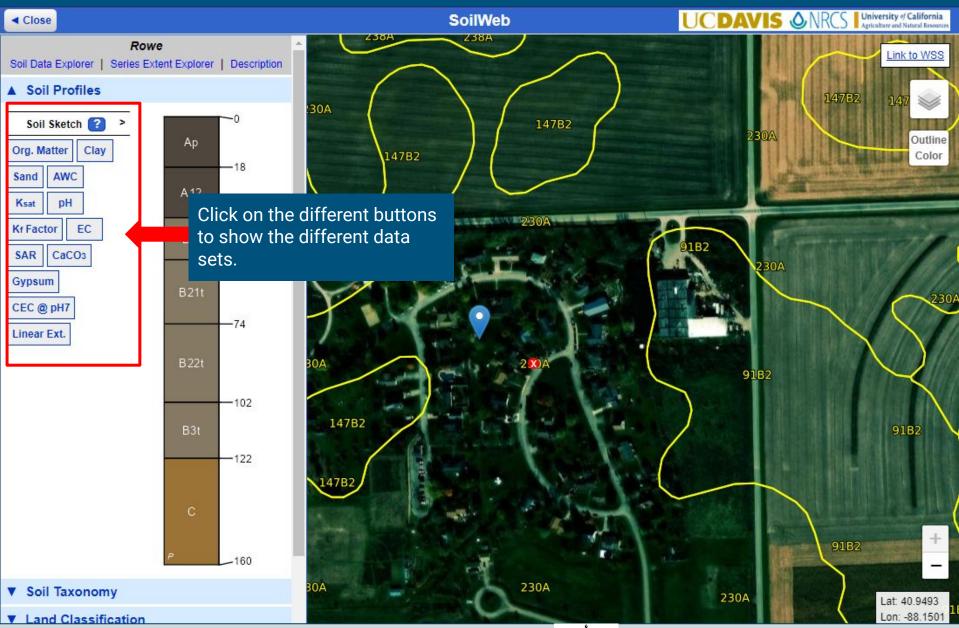
















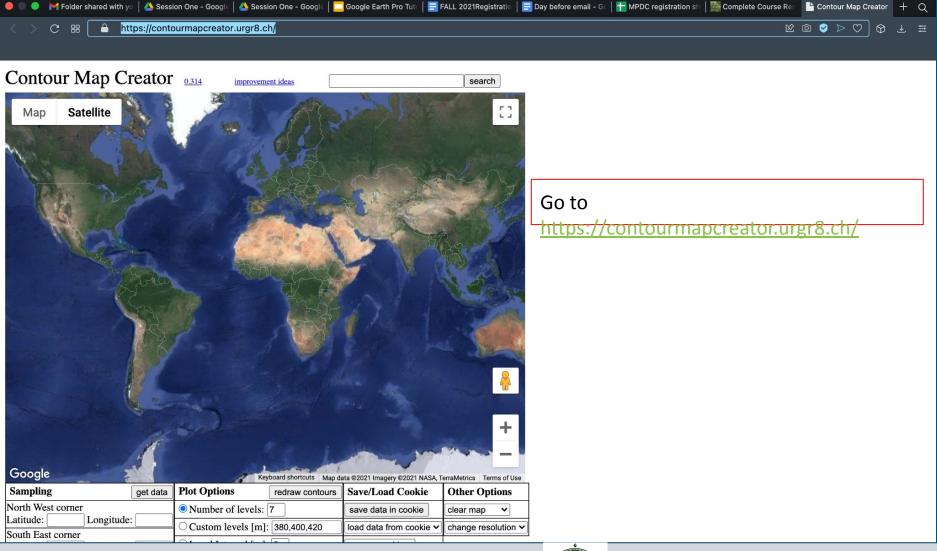


Topographical Info

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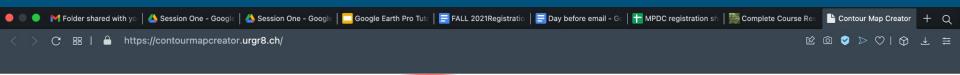


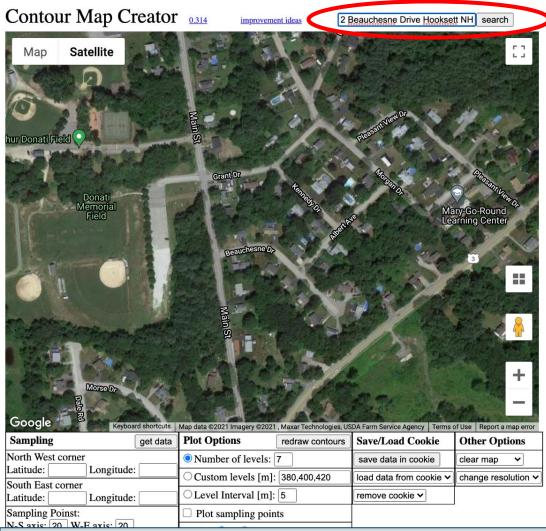
Contour Map Creator



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Enter your address and click search

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 Click on 'Level Interval', and type in the desired number of feet between contour lines

Contour Map Creator

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- In Units, select 'ft' for elevations calculated by foot, not meters
- To select the area you wish to obtain contour lines for, left click the upper left and lower right corners which will automatically create a box
- Then, click 'Get Data' and prepare to be amazed!

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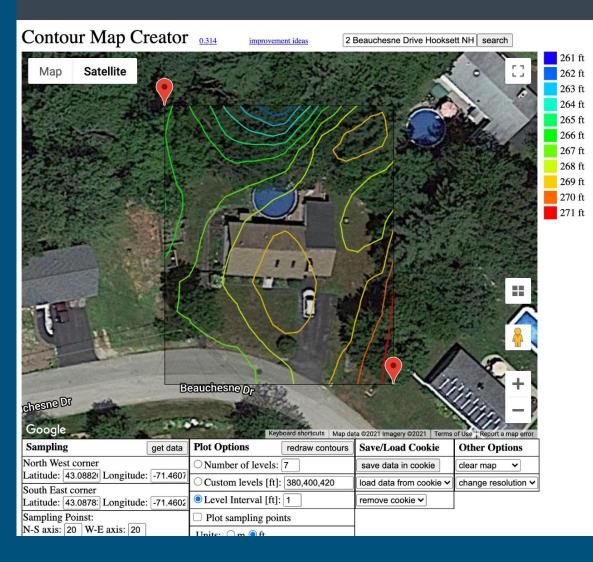
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Contour Map Creator

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This is a 1 ft contour map for this property.

The red line in the lower right hand corner is the highest ground, and the blue line at the top is the lowest ground.

This means there is a ten foot difference in elevation on this property.

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Wind, Climate, and Sun Data

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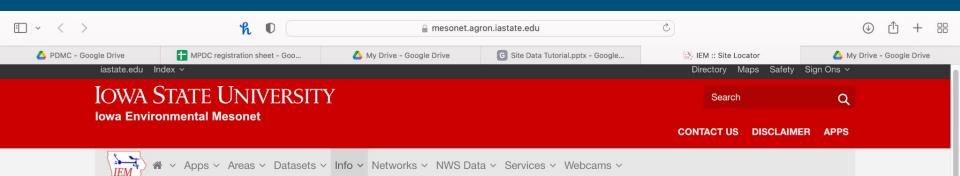


Gathering Wind Data-Wind Roses

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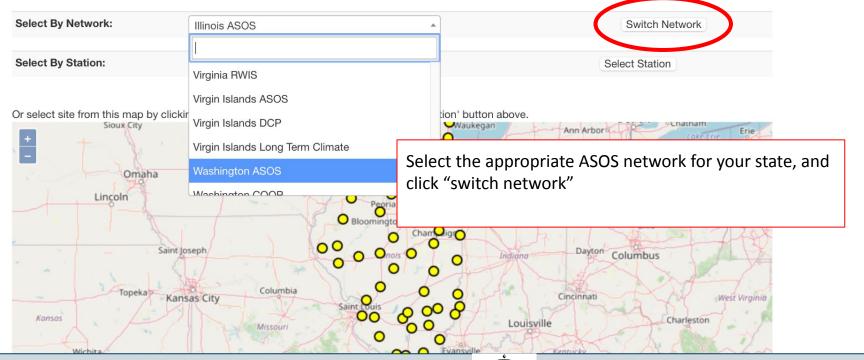
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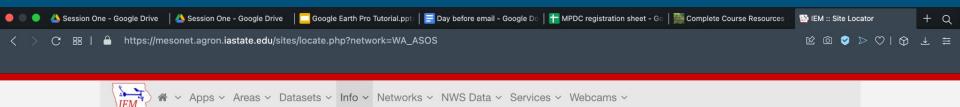
IEM Site Information

The IEM collects information from many sites. These sites are organized into networks based on their geography and/or the organization who administers the network. This application provides some metadata and site specific applications you may find useful.



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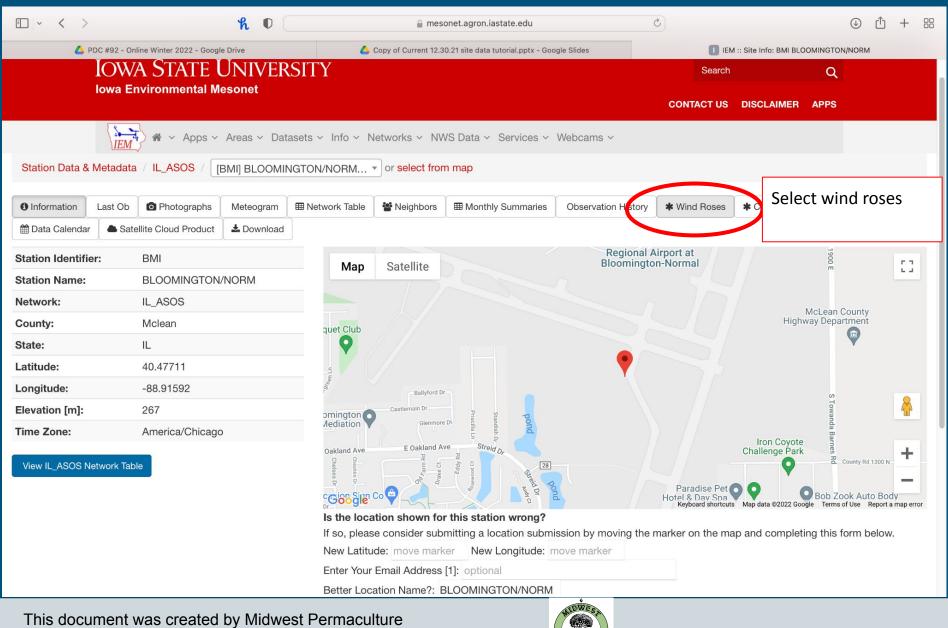
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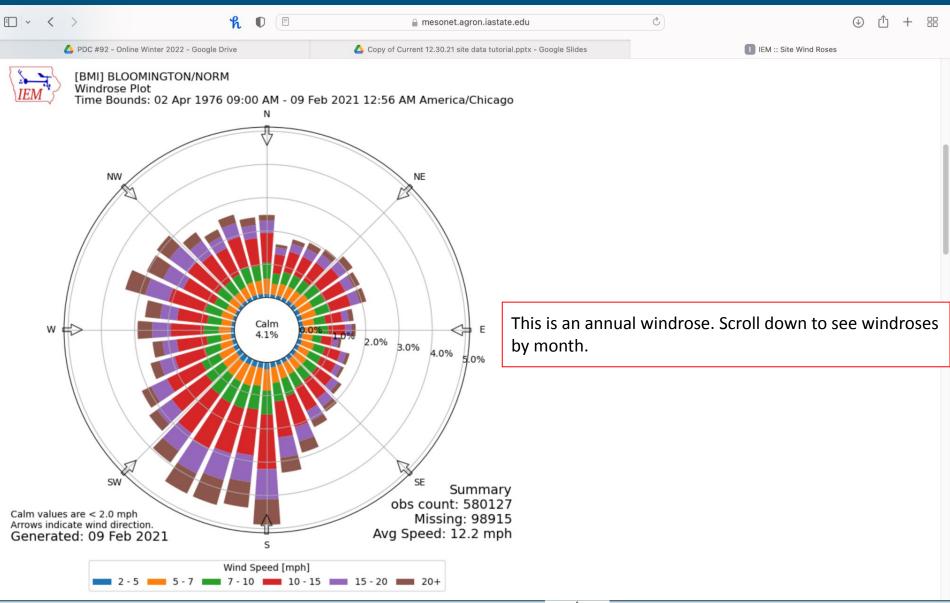


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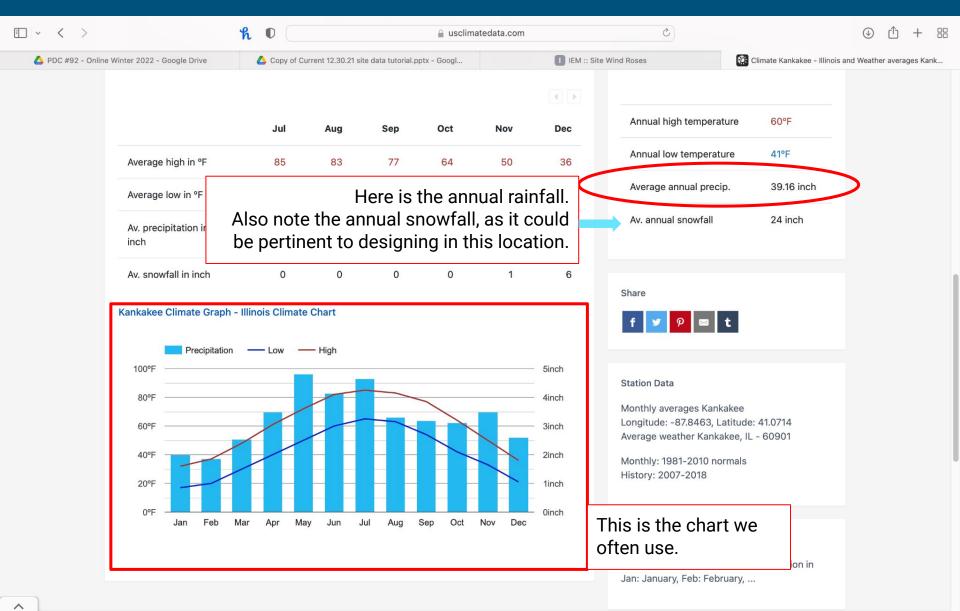
US Climate Data

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		Jan	Feb	Mar	Apr		a large	
	Average high in °F	38	41	50	62	•	Scroll	down to see average temps and rainfall, and
	Average low in °F	22	24	31	41		access	s the climate data chart.
	Av. precipitation in inch	3.33	2.80	3.84	4.11	4.13	4.50	Monthly averages Doylestown Longitude: -75.1299, Latitude: 40.3101 Average weather Doylestown, - 18901
								Monthly: 1981-2010 normals
		Jul	Aug	Sep	Oct	Nov	Dec	
	Average high in °F	85	83	75	64	54	42	Abbreviations
	Average low in °F	64	62	55	44	36	27	Average precipitation in : Av. precipitation in Jan: January, Feb: February,
	Av. precipitation in inch	6.36	4.07	4.39	4.11	3.68	4.01	
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Dovlestown Climate Graph - Pennsylvania Climate Chart

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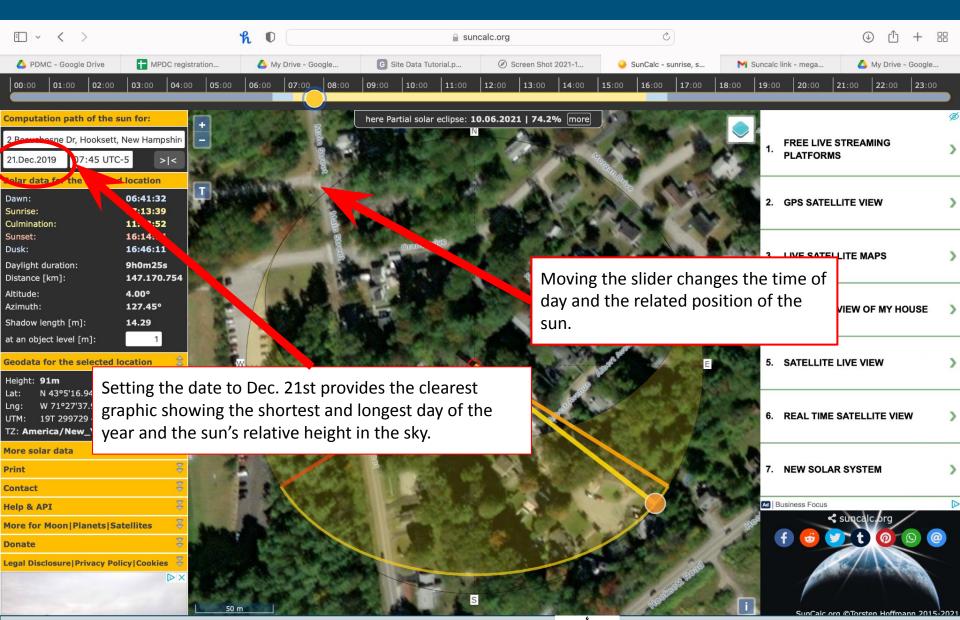
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- Type in the address and hit 'Enter' on your keyboard.
- Zoom in and out ('ctrl' roll your mouse) and click/drag the image to get exactly what you want.
- Set the red circle on top of the exact location you desire. We typically choose the house door most often used by the owner.



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