

Ways to Access HRECOS Data

HRECOS data can be used by anyone, and there are several ways that you can access the information that you want. The method you choose may depend on the specifics of your project. If you have questions or a special request, you can always reach out to the HRECOS coordinator for help.

[On the HRECOS Website](#)

[Using the HRECOS Mapper](#)

[Using the USGS Website \[Modernized\]](#)

[Using the USGS Website \[Legacy\]](#)

[Using the CDMO \(HRNERR Sites Only\)](#)

On the HRECOS Website

Note: Historic data records (beginning in 2008) are always available in .csv format on the HRECOS website.

1. Visit <https://hrecos.org/track-conditions/> and scroll down to “Historic Conditions” Look for the table of available data.
2. Have a specific request? Reach out to the HRECOS Coordinator to see if we can help.

Mohawk River @ Rexford Bridge (NYS DEC, USGS)	Water Quality	Station metadata	-	-	-	-	-	-	-	2014	2015	2016	2017	2018	2019
Port of Albany (NYS DEC, USGS)	Water Quality	Station metadata	-	-	-	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	Weather	Station metadata	-	-	-	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Schodack Island (Cary Institute, NYS DEC)	Water Quality	Station metadata	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	Weather	Station metadata	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Marist College (Cary Institute, USGS)	Water Quality (surface)	Station metadata	-	-	-	-	-	-	2014	2015	2016	2017	2018	2019	
West Point (Cary Institute)	Water Quality	Station metadata	-	-	-	-	-	2013	2014	-	2016	2017	2018	2019	

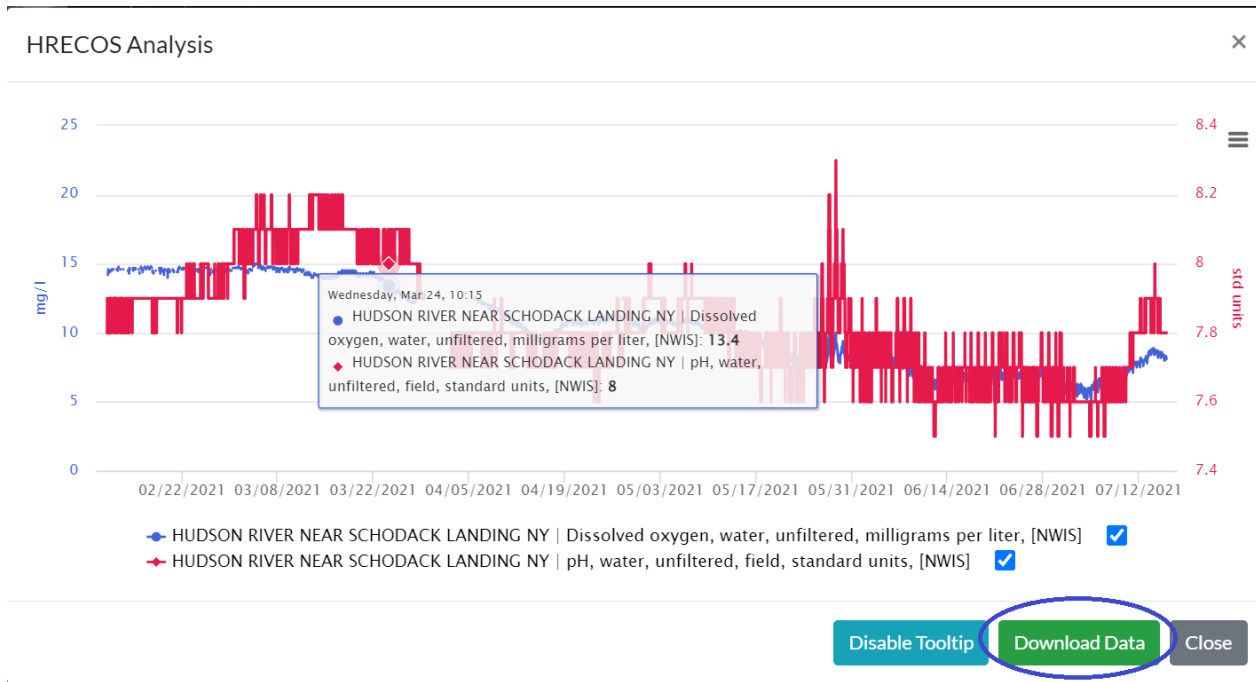
Using the HRECOS Mapper

Note: The tool currently allows for up to 2 years of data only.

1. Go to <https://ny.water.usgs.gov/maps/hrecos/> or “Access real-time data” at <https://hrecos.org/track-conditions/#current>
2. Using the sidebar, select desired stations, parameters and dates. Click “Show Graph”

The image shows a sidebar for the HRECOS Mapper tool. It is divided into three main sections: 'SELECT STATION(S)', 'SELECT PARAMETER(S)', and 'SELECT TIME PERIOD'. In the 'SELECT STATION(S)' section, a search box contains 'HUDSON RIVER NEAR SCHODACK LANDING NY'. The 'SELECT PARAMETER(S)' section has a dropdown menu for 'Select Meteorologic Parameter' and a list of selected parameters: 'Dissolved oxygen' and 'pH'. The 'SELECT TIME PERIOD' section has two radio buttons: 'Choose Time Period' (unselected) and 'Choose Specific Date Range' (selected). Under 'Choose Time Period', a dropdown menu shows 'Past 7 Days'. Under 'Choose Specific Date Range', there are two date input fields: 'Start Date' with '2021-02-11' and 'End Date' with '2021-07-15'. There is also an unchecked checkbox for 'Compare past year's data'. At the bottom of the sidebar is a green button labeled 'Show Graph'.

3. At the bottom corner of the graph window, click “Download Data”



Using the USGS Website [Modernized Version]

Note: the USGS database may have trouble querying records from before 2020. Consider using the historic data on the HRECOS website instead.

1. Go to <https://ny.water.usgs.gov/maps/hrecos/> or “Access real-time data” at <https://hrecos.org/track-conditions/#current>
2. Select desired station and click the hyperlinked Site ID.

The screenshot displays the HRECOS website interface. At the top, there are logos for USGS (United States Geological Survey), HRECOS, and the New York State Department of Environmental Conservation. The main content area is divided into a left sidebar and a right map area. The sidebar contains several sections: 'PLANATION', 'ANALYSIS', 'SELECT STATION(S)' with a 'Select Station' input field, 'SELECT PARAMETER(S)' with 'Select Meteorologic Parameter' and 'Select Hydrologic Parameter' input fields, 'SELECT TIME PERIOD' with a radio button for 'Choose Time Period' and a dropdown menu set to 'Past 7 Days', and an 'OR' option. The map area shows a map of the Hudson River region, with several green location pins. A popup window is open over one of the pins, displaying the following information: 'Station Name: HUDSON RIVER AT SOUTH DOCK AT WEST POINT NY', 'HRECOS ID: HRWSTP', 'Site ID: 01374019' (circled in blue), and 'Partner: Cary Institute of Ecosystem Studies'. A scale bar at the bottom left of the map indicates 30 km and 20 mi. The Leaflet logo is visible in the bottom right corner of the map area.

3. Scroll down and select “Change Time Span” to set custom dates.

Statistics are not available at this monitoring location for the data type: pH, water, unfiltered, field, standard units

[Hide statistics ^](#)

[Change time span](#) [Subscribe to WaterAlert](#) [View related graphs](#) [Download data](#) [View data records](#)

Select a date range:

mm/dd/yyyy mm/dd/yyyy

Or

Enter days before today:

[Change time span](#)

4. Scroll down and select the parameter.

Select data to graph

<input type="radio"/>	Dissolved oxygen, water, unfiltered, milligrams per liter	2013-06-21 to 2024-02-13	▼
<input type="radio"/>	Dissolved oxygen, water, unfiltered, percent of saturation	2023-10-16 to 2024-02-13	▼
<input type="radio"/>	Estuary or ocean water surface elevation above NAVD 1988, feet	2023-10-16 to 2024-02-13	▼
<input type="radio"/>	Estuary or ocean water surface elevation above NGVD 1929, feet	2007-10-01 to 2014-09-11	▼
<input checked="" type="radio"/>	pH, water, unfiltered, field, standard units	2013-06-21 to 2024-02-13	^

Sampling Methods/Sub-locations: ⓘ
note - some methods/sub-locations are disabled because there are no data points for these in your selected time span

Select data to graph on second y-axis

5. Scroll back up to “Change Time Span” and click the “Download Data” button. This will open a tab-separated file in a new tab.

Statistics are not available at this monitoring location for the data type: pH, rate, unfiltered, flow, standard error

[Hide statistics ^](#)

[Change time span](#) [Subscribe to WaterAlert](#) [View related graphs](#) [Download data](#) [View data records](#)

Select data to retrieve

Primary time series

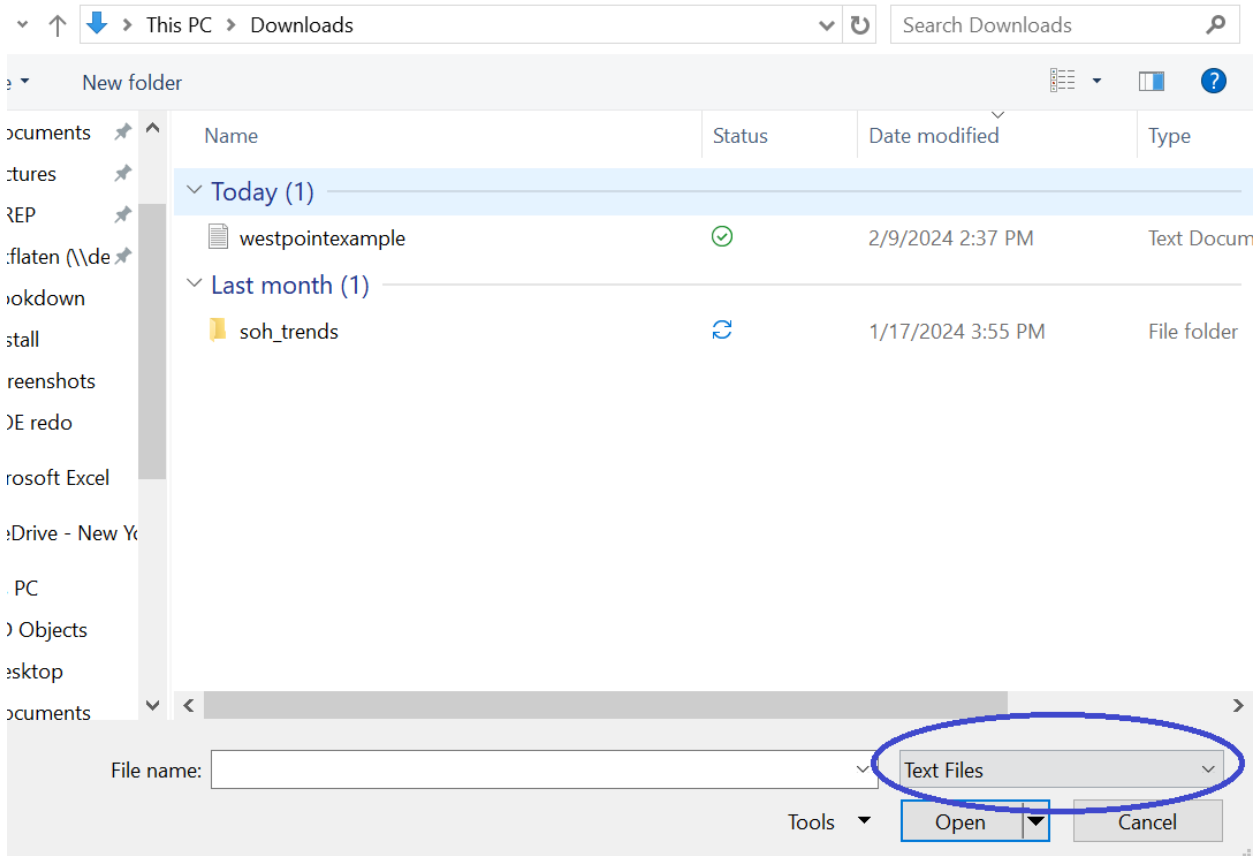
About this location

[↓ Retrieve](#)

*A separate tab will open with the requested data.
All data is in [RDB](#) format.
Data is retrieved from [USGS Water Data Services](#).
If you are an R user, use the [USGS dataRetrieval package](#) to download, analyze and plot your data*

[Hide download data ^](#)

6. Once the page loads, right click anywhere on the page and choose "Save as...". Name the file and save it as "Text Document."
7. Open Microsoft Excel, select "Open", change the file type to "Text Files" and navigate to the folder where you saved the tab-separated page. Select your file and click "Open."



8. An import wizard will automatically open. Choose “Delimited” from the data type and click “Next”

Text Import Wizard - Step 1 of 3

The Text Wizard has determined that your data is Delimited.

If this is correct, choose Next, or choose the data type that best describes your data.

Original data type

Choose the file type that best describes your data:

Delimited - Characters such as commas or tabs separate each field.

Fixed width - Fields are aligned in columns with spaces between each field.

Start import at row: 1 File origin: 65000 : Unicode (UTF-7)

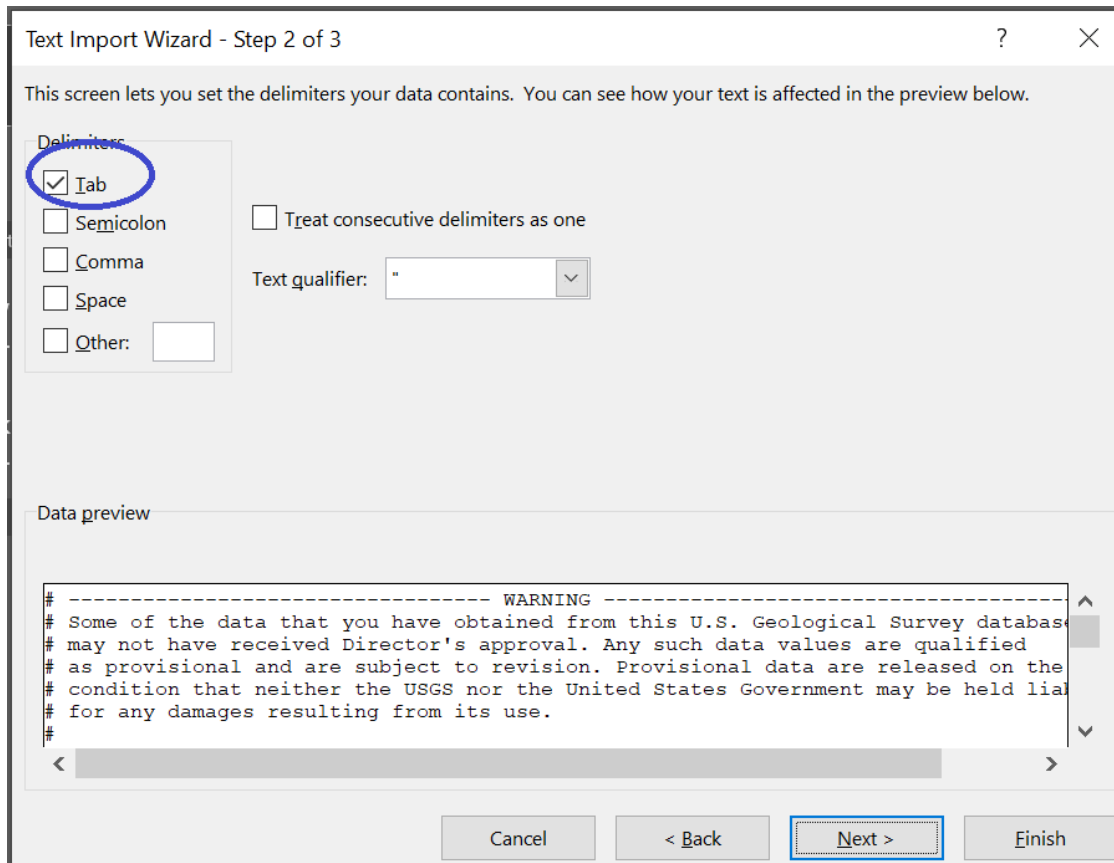
My data has headers.

Preview of file C:\Users\bkflaten\OneDrive - New York State Office of Information Techn...\westpointexample.txt

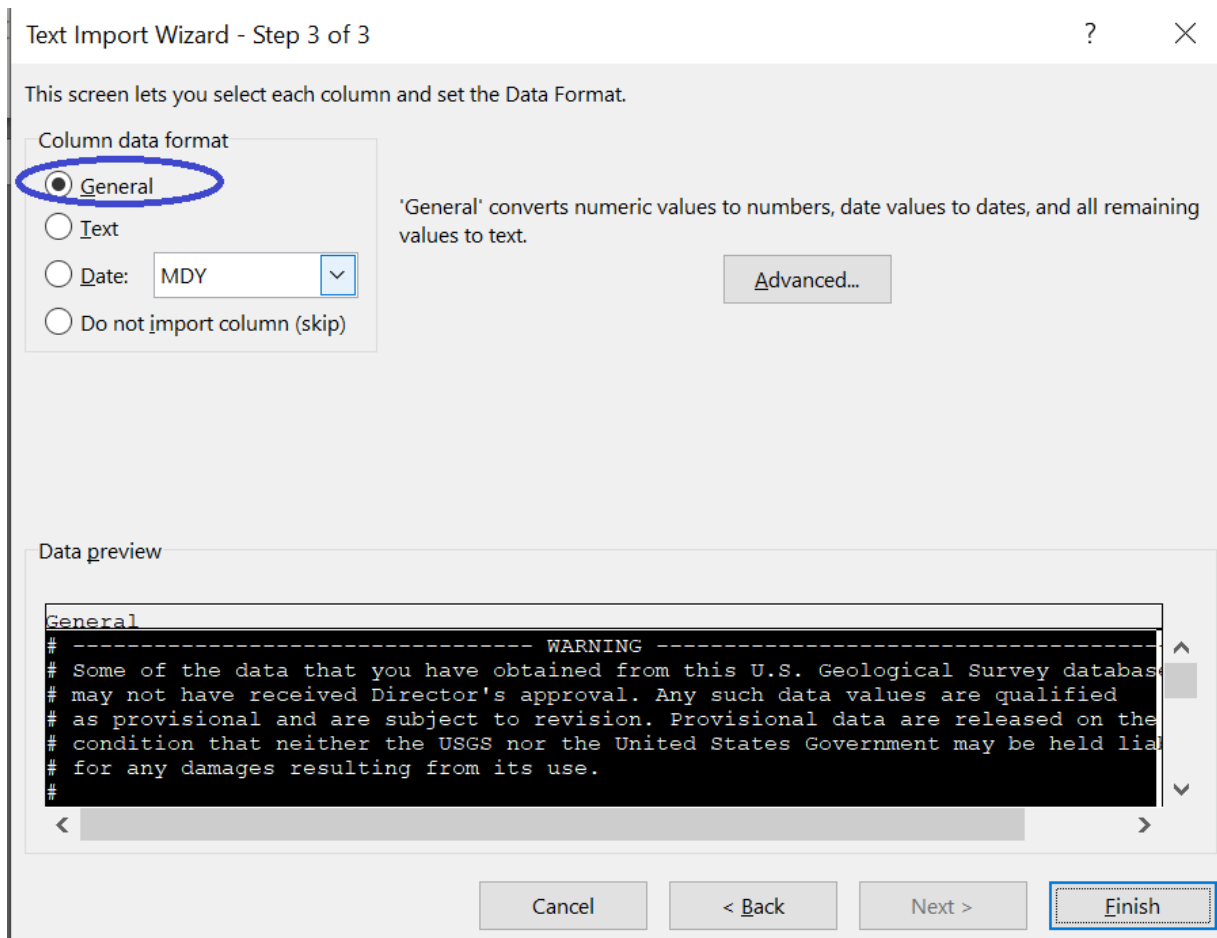
```
1# ----- WARNING -----  
2# Some of the data that you have obtained from this U.S. Geological Survey datab  
3# may not have received Director's approval. Any such data values are qualified  
4# as provisional and are subject to revision. Provisional data are released on t  
5# condition that neither the USGS nor the United States Government may be held l  
6# for any damages resulting from its use.  
7#
```

Cancel < Back Next > Finish

9. Choose "Tab" as the delimiter and click "Next"



10. Choose "General" as the format and hit finish.



11. To save your file as a .csv or .xlsx, go to "File" and then "Save as"

Using the USGS Website [Legacy Version]

Note: USGS is phasing out the legacy real-time pages. Decommissioning expected by mid-2024.

1. Go to <https://ny.water.usgs.gov/maps/hrecos/> or “Access real-time data” at <https://hrecos.org/track-conditions/#current>
2. Select desired station and click the hyperlinked Site ID.

The screenshot displays the USGS HRECOS website interface. At the top, there are logos for USGS (Office for a Changing World), HRECOS, and the New York State Department of Environmental Conservation. The main content area is divided into a left sidebar and a right map area. The sidebar contains sections for 'EXPLANATION', 'ANALYSIS', and 'SELECT STATION(S)', 'SELECT PARAMETER(S)', and 'SELECT TIME PERIOD'. The 'SELECT STATION(S)' section has a dropdown menu with 'Select Station' selected. The 'SELECT PARAMETER(S)' section has two dropdown menus: 'Select Meteorologic Parameter' and 'Select Hydrologic Parameter'. The 'SELECT TIME PERIOD' section has a radio button for 'Choose Time Period' and a dropdown menu with 'Past 7 Days' selected. The map area shows a map of the Hudson River region with several green location pins. A popup window is open over one of the pins, displaying the following information: 'Station Name: HUDSON RIVER AT SOUTH DOCK AT WEST POINT NY', 'HRECOS ID: HRWSTP', 'Site ID: 01374019' (circled in blue), and 'Partner: Cary Institute of Ecosystem Studies'. A scale bar at the bottom left of the map shows 30 km and 20 mi. The Leaflet logo is visible in the bottom right corner of the map area.

3. Choose the legacy real-time page option in the top left

IMPORTANT [Legacy real-time page](#) 

7 days 30 days 1 year

Hudson River at South Dock at West Point 01374019

February 2, 2024 - February 9, 2024

Temperature, water, degrees Celsius [HRECOS]

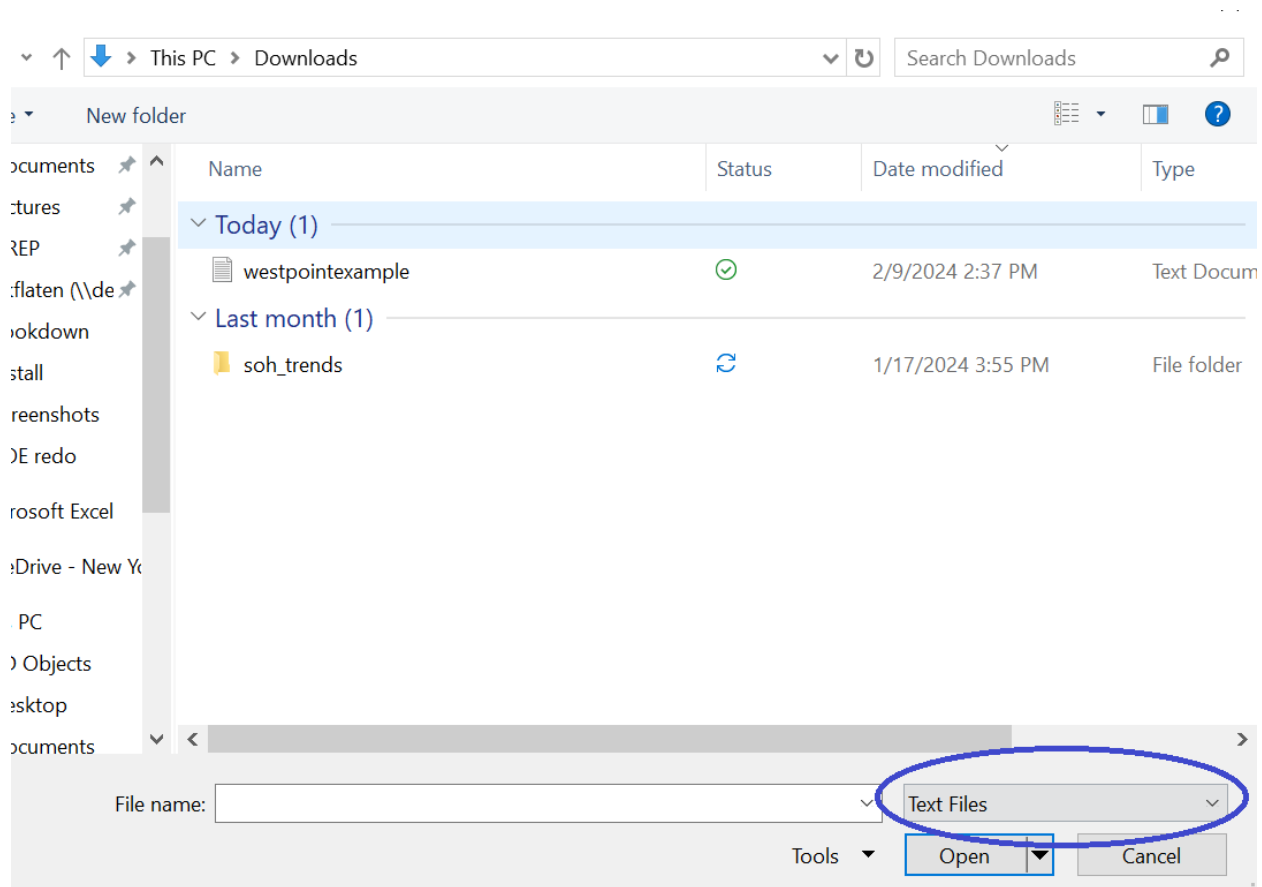
1.8 deg C - Feb 07, 2024 03:00:00 PM EST

4. Scroll down, select desired parameters, tab-separated output, and desired begin and end dates.

Available Parameters	Available Period	Output format	Days (7)	GO
<input type="checkbox"/> All 14 Available Parameters for this site		<input type="radio"/> Graph	<input type="text"/>	
<input checked="" type="checkbox"/> 00010 Temperature, water	2007-10-01 2014-09-11	<input type="radio"/> Graph w/ stats	-- or --	
<input checked="" type="checkbox"/> 00010 Temperature, water [HRECOS]	2019-04-25 2024-02-09	<input type="radio"/> Graph w/o stats	Begin date	
<input checked="" type="checkbox"/> 00095 Specific cond at 25C	2007-10-01 2014-09-11	<input type="radio"/> Graph w/ (up to 3) parms	<input type="text" value="2022-02-02"/>	
<input checked="" type="checkbox"/> 00095 Specific cond at 25C [HRECOS]	2019-04-25 2024-02-09	<input checked="" type="radio"/> Tab-separated	End date	
<input checked="" type="checkbox"/> 00300 Dissolved oxygen	2013-06-21 2014-09-11	<input type="radio"/> Table	<input type="text" value="2022-09-22"/>	
<input checked="" type="checkbox"/> 00300 Dissolved oxygen [HRECOS]	2019-04-25 2024-02-09			
<input checked="" type="checkbox"/> 00301 Diss oxygen,%saturtn [HRECOS]	2023-10-12 2024-02-09			
<input checked="" type="checkbox"/> 00400 pH	2013-06-21 2014-09-11			
<input checked="" type="checkbox"/> 00400 pH [HRECOS]	2019-04-25 2024-02-09			
<input checked="" type="checkbox"/> 62619 Elevation, ocean/est, NGVD29	2007-10-01 2014-09-11			
<input checked="" type="checkbox"/> 62620 Elevation, ocean/est, NAVD88 [HRECOS]	2023-10-12 2024-02-09			
<input checked="" type="checkbox"/> 63680 Turbidity, Form Neph	2013-06-21 2014-09-11			
<input checked="" type="checkbox"/> 63680 Turbidity, Form Neph [HRECOS EXO]	2022-08-18 2024-02-09			
<input checked="" type="checkbox"/> 90860 Salinity, at 25C [HRECOS]	2019-04-25 2024-02-09			

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Text Import Wizard - Step 1 of 3

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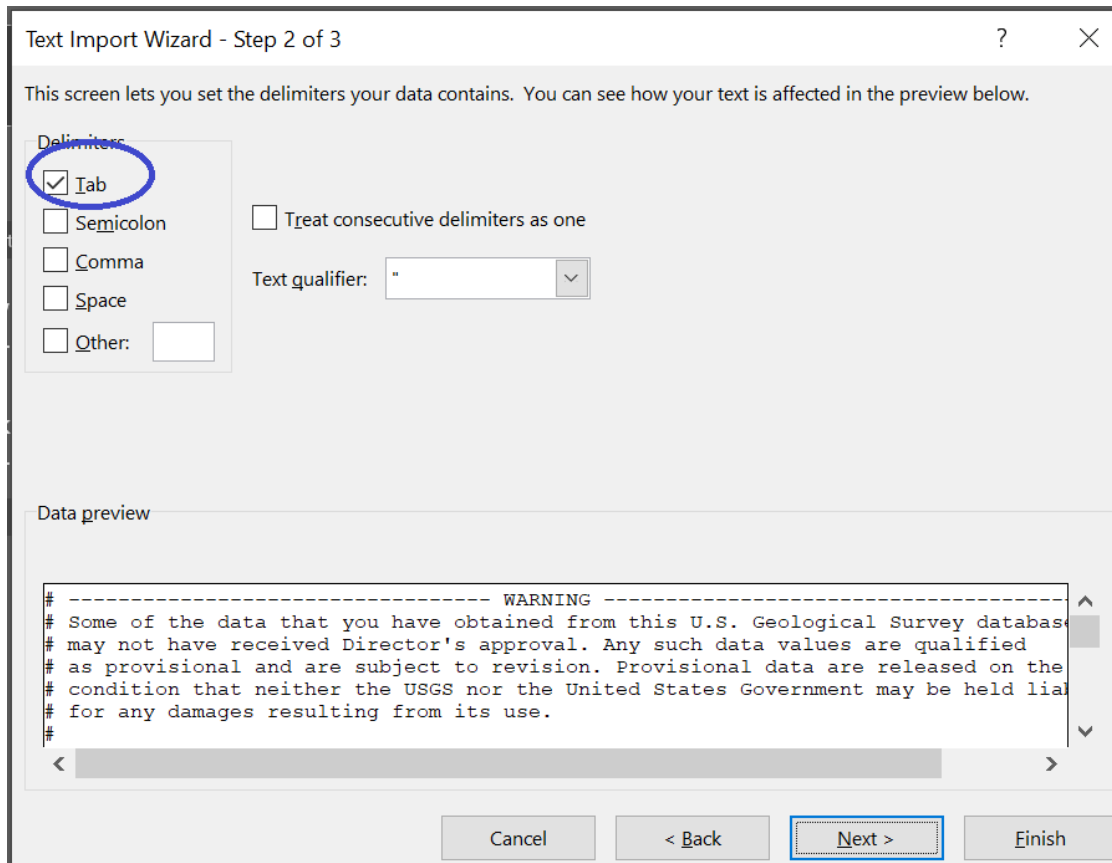
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Preview of file C:\Users\bkflaten\OneDrive - New York State Office of Information Techn...\westpointexample.txt

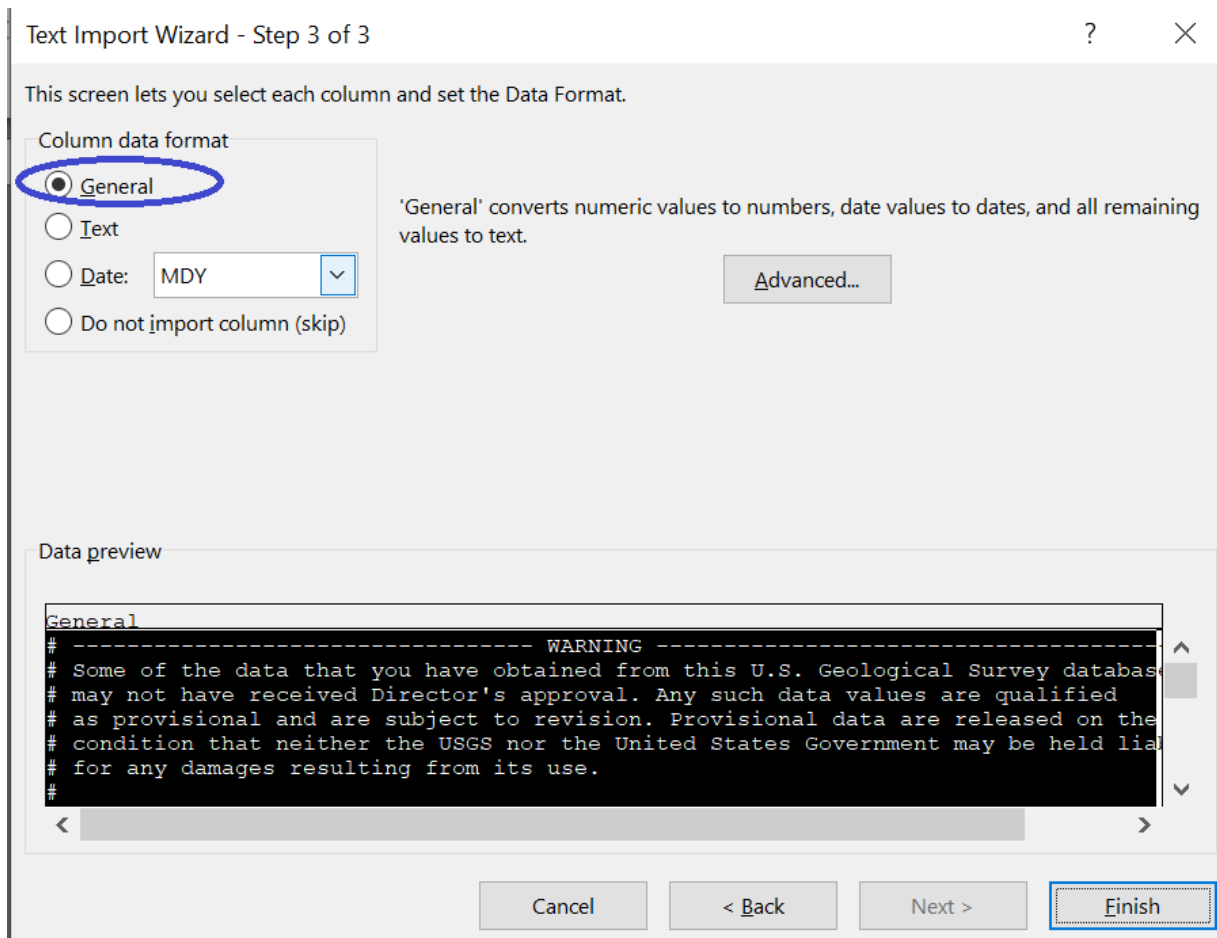
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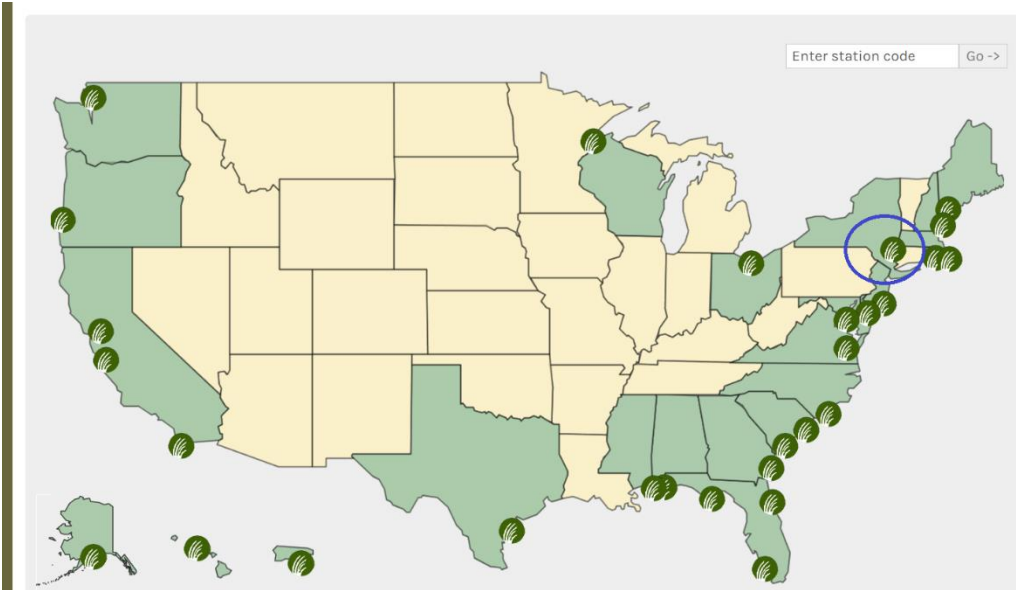
Using the CDMO (HRNERR Sites Only)

Note: The Hudson River National Estuarine Research Reserve (HRNERR) operates the following HRECOS stations: Ferry Landing, Tivoli Bays (North and South), Norrie Point, and Bear Mountain. The data for these sites is maintained by the Central Data Management Office (CDMO). Data are not instantly available; they will be sent to your email via zip file within the hour.

1. Go to <https://cdmo.baruch.sc.edu/>
2. Click “View/Download Data” on the home screen



3. Choose the first option, “Data Graphing and Export System”
4. On the map, click the icon located in New York.



5. Follow the prompts and choose your station and dates. By default, all parameters will be included in the file.