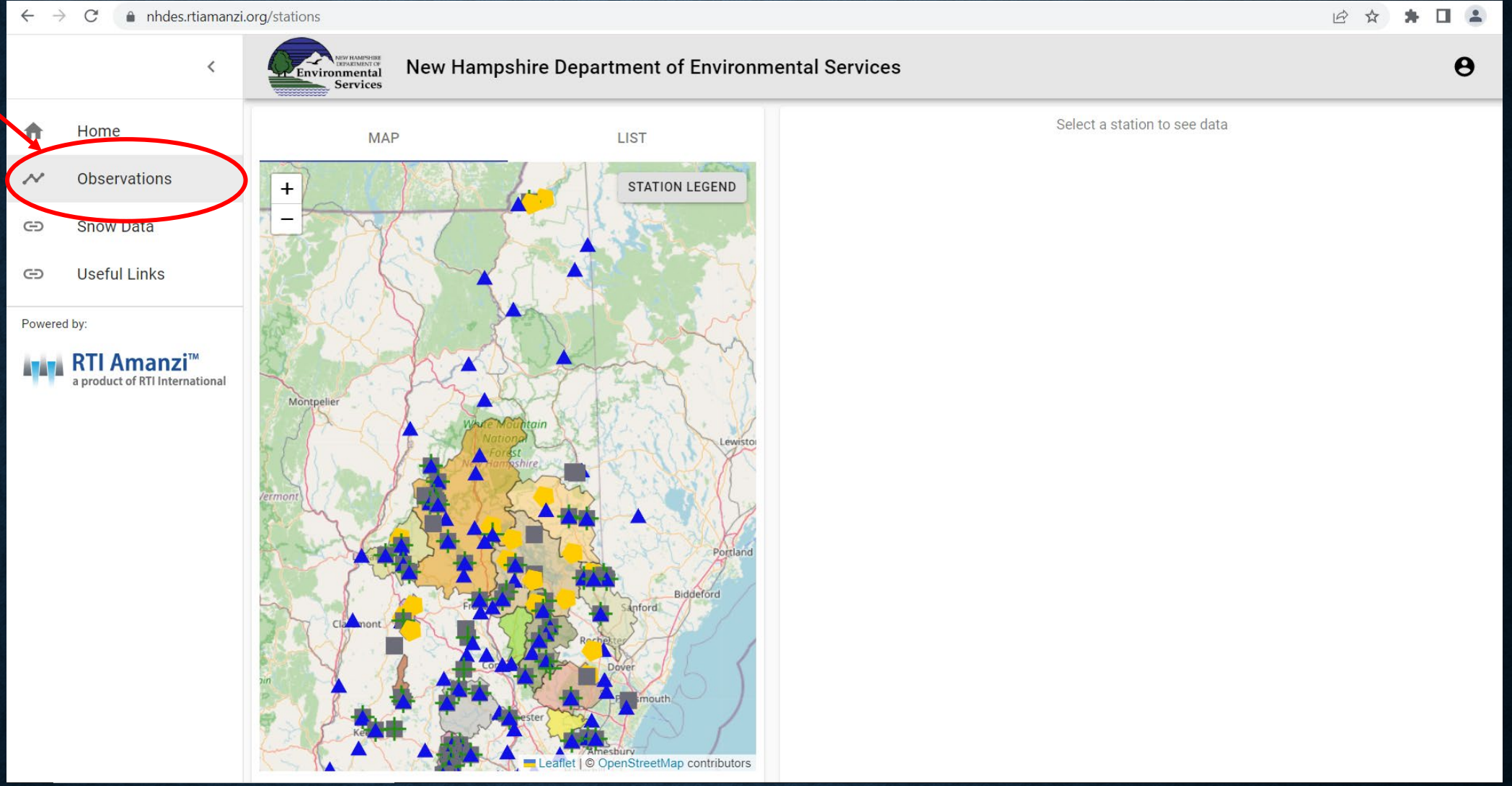
NEW HAMPSHIRE
DEPARTMENT OF
Environmental
Services

USER INSTRUCTIONS

NHDES REAL-TIME DATA & INFORMATION FOR WATERSHEDS IN NEW HAMPSHIRE WEBPAGE

To view available Real-Time data from watersheds throughout New Hampshire, please click on the Observations tab on the left side-bar.



In the MAP view, the user can pan around map and zoom in to locate and select a station by clicking it once.

Once a station is selected it will open the right side-bar with Timeseries Data in the default Plot view

New Hampshire Department of Environmental Services

- Home
- Observations
- Snow Data
- Useful Links

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MAP | LIST

STATION LEGEND

Click station location once to open timeseries data side-bar

MEDNH

WEIN3

LKPN3

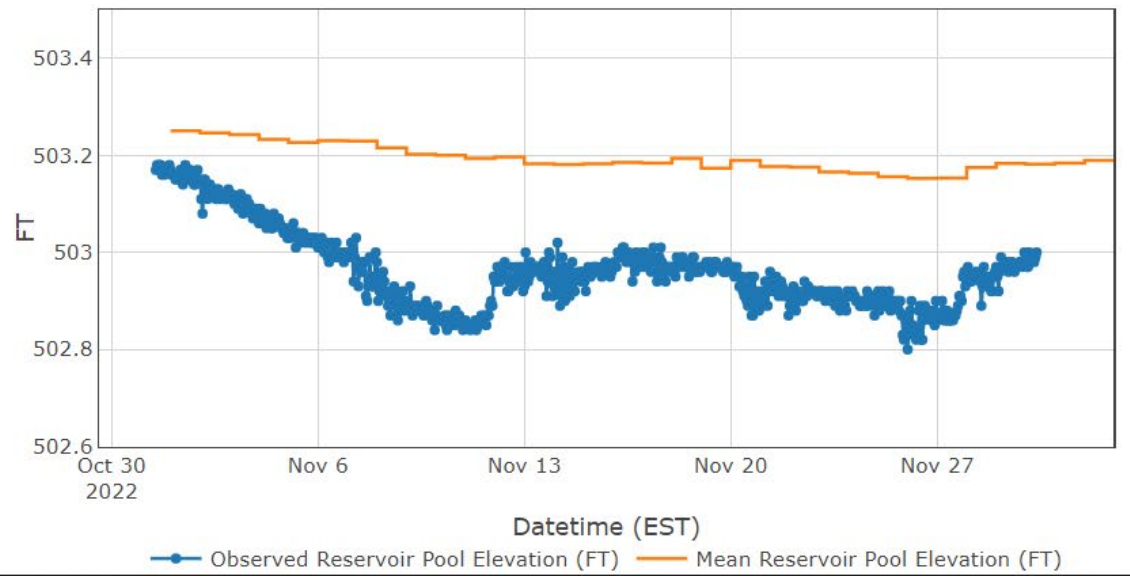
Leaflet | © OpenStreetMap contributors

Lake Winnipesaukee (WEIN3)

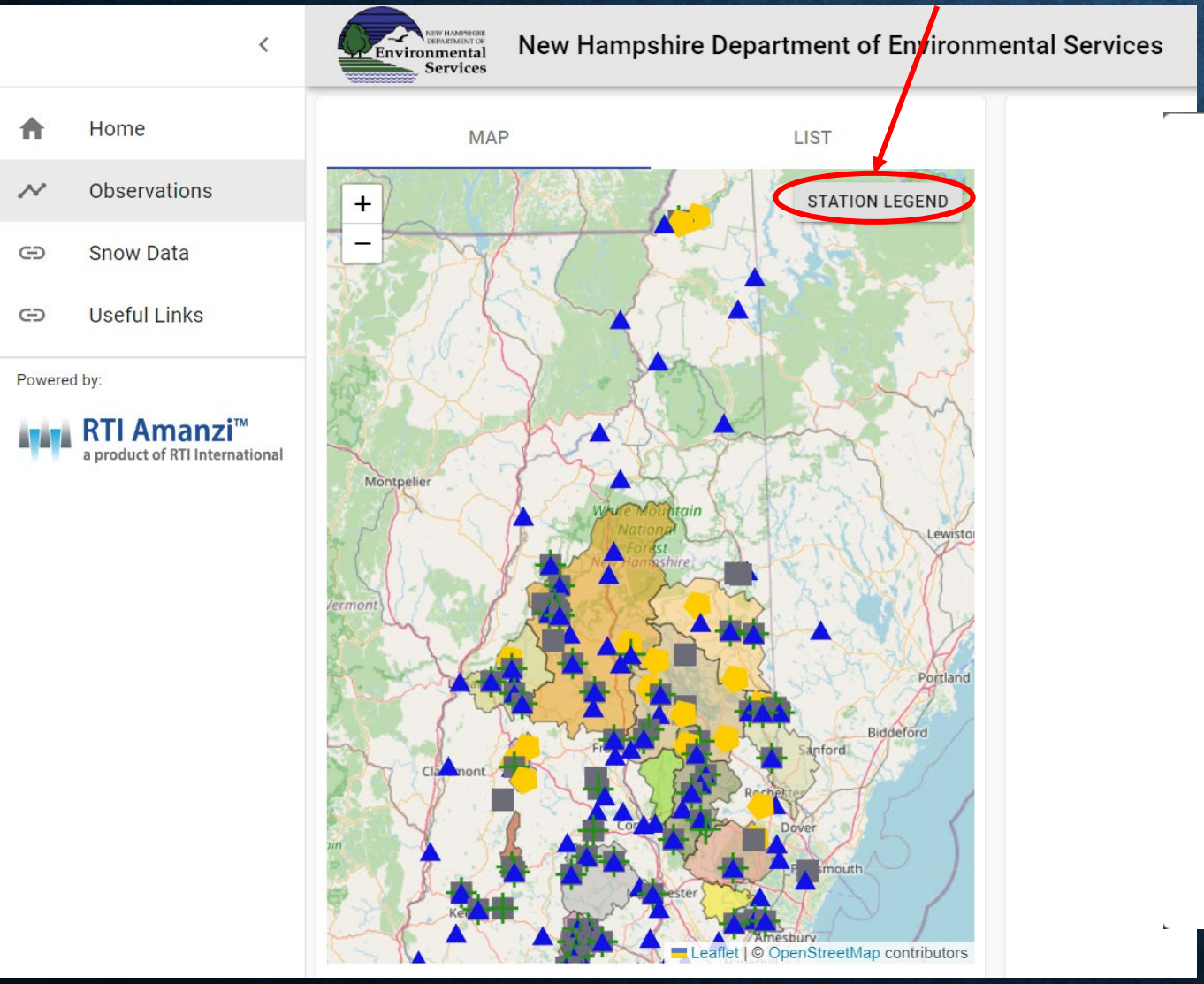
TIMESERIES DATA | OPERATIONS UPDATES | STATION INFORMATION

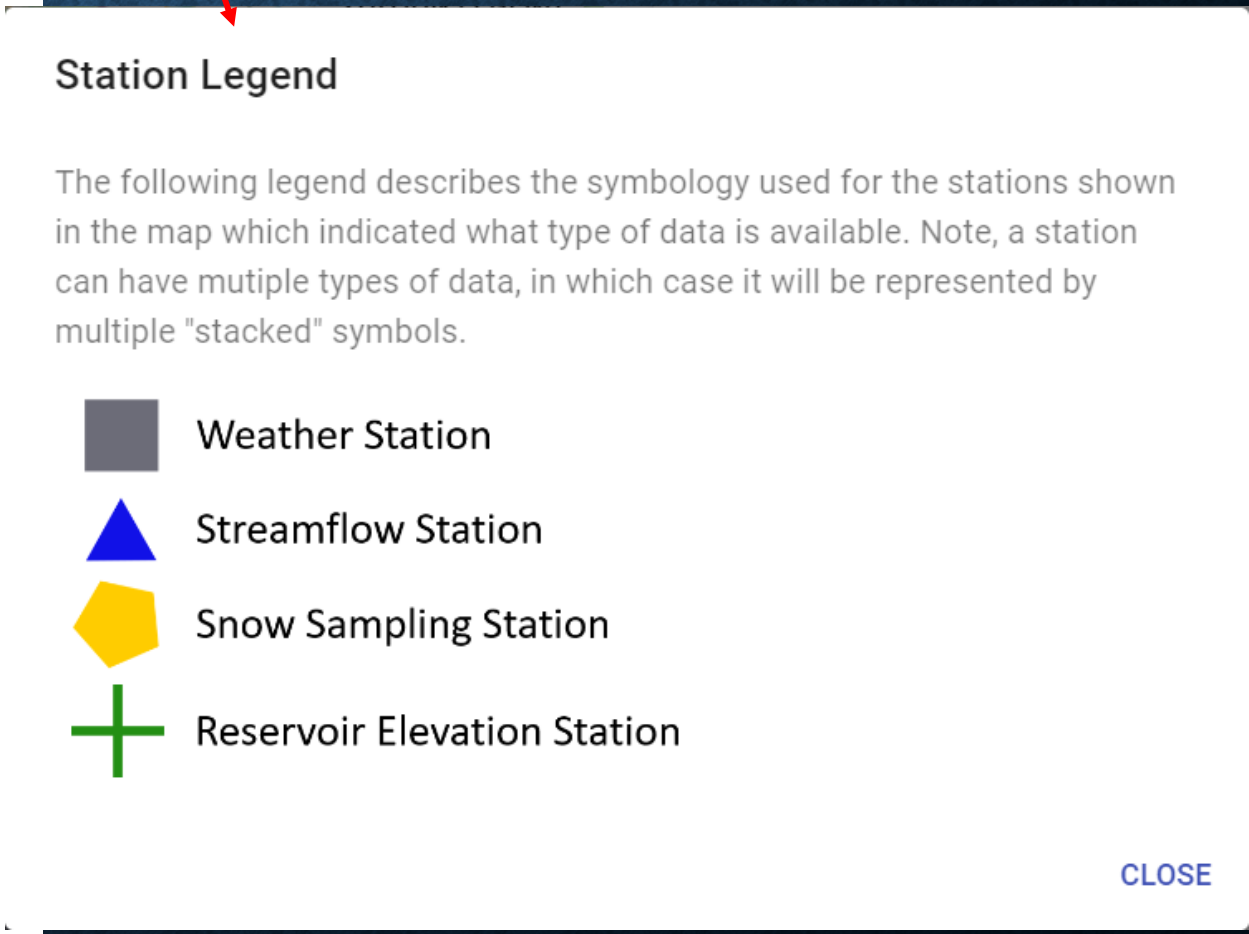
Observed Reservoir Pool Elevation

PLOT | TABLE

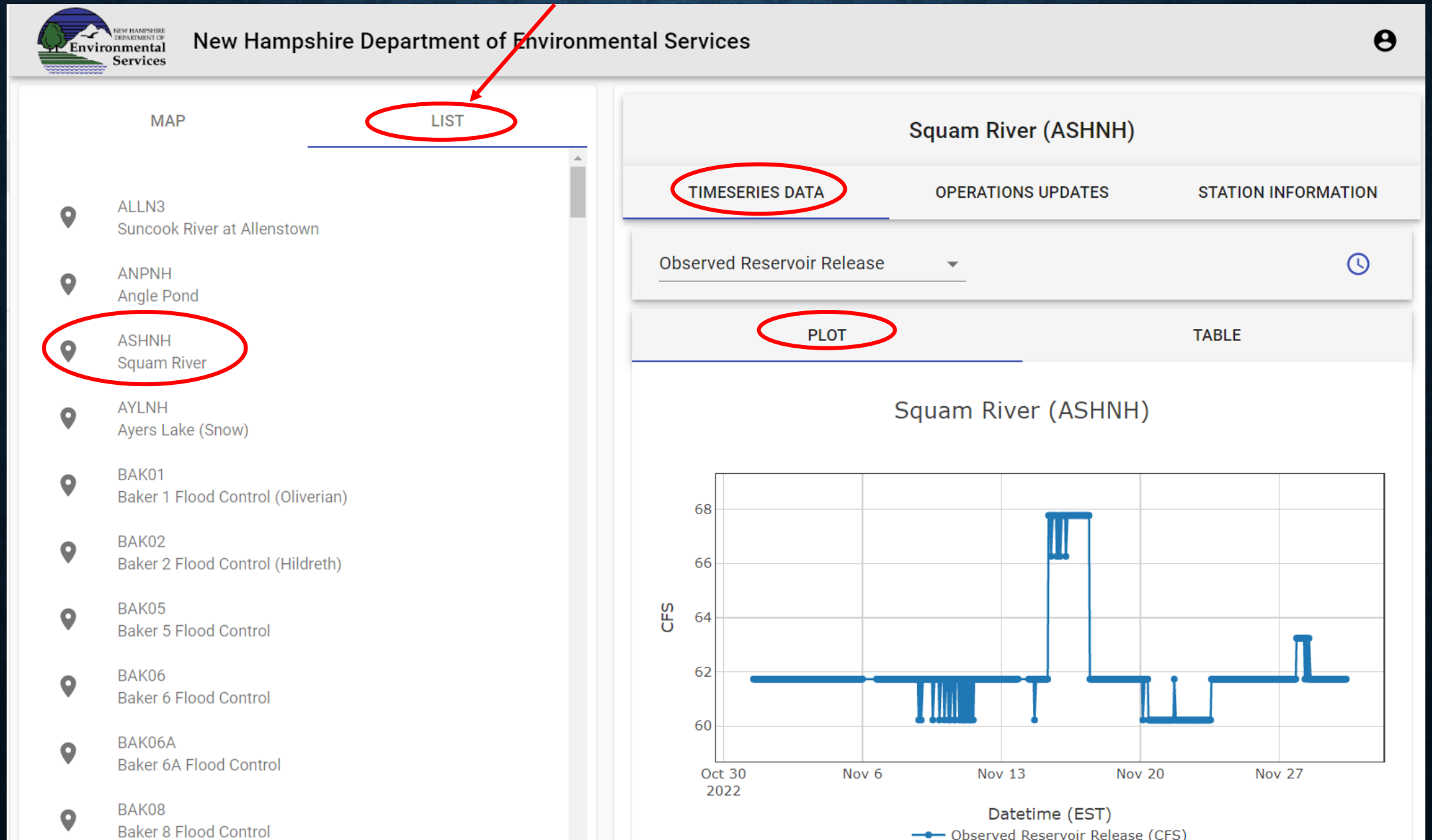


In the MAP view, clicking the Station Legend in upper right corner of MAP will open the Station Legend dialog.
Weather Stations – Indicated by gray square. Station reports some combination of Precipitation, AirTemp, Wind and other weather data.
Streamflow Stations – Indicated by blue triangle. Station reports River Stage and Observed River Discharge at this location.
Snow Sampling Station – Indicated by yellow pentagon. Station reports Snowpack Depth and Snow Water Equivalent data from NHDES manually conducted snow surveys.
Reservoir Elevation Station – Indicated by green cross. Station reports automated or manual Lake Level data collected at this location.

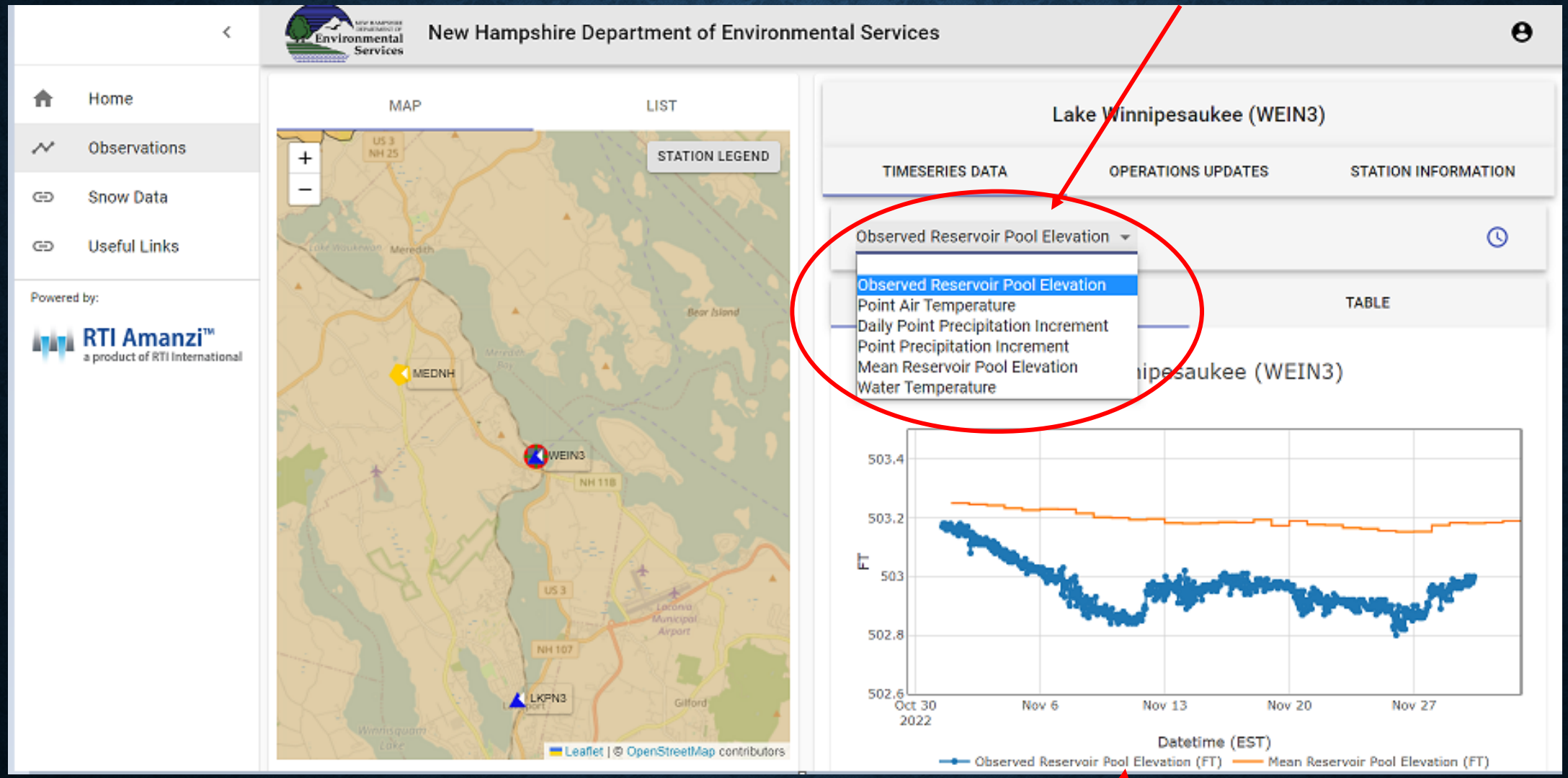




Stations may also be browsed by name and selected in the LIST view. Clicking a station name in the LIST view will also open the right side-bar with Timeseries Data in the default Plot view

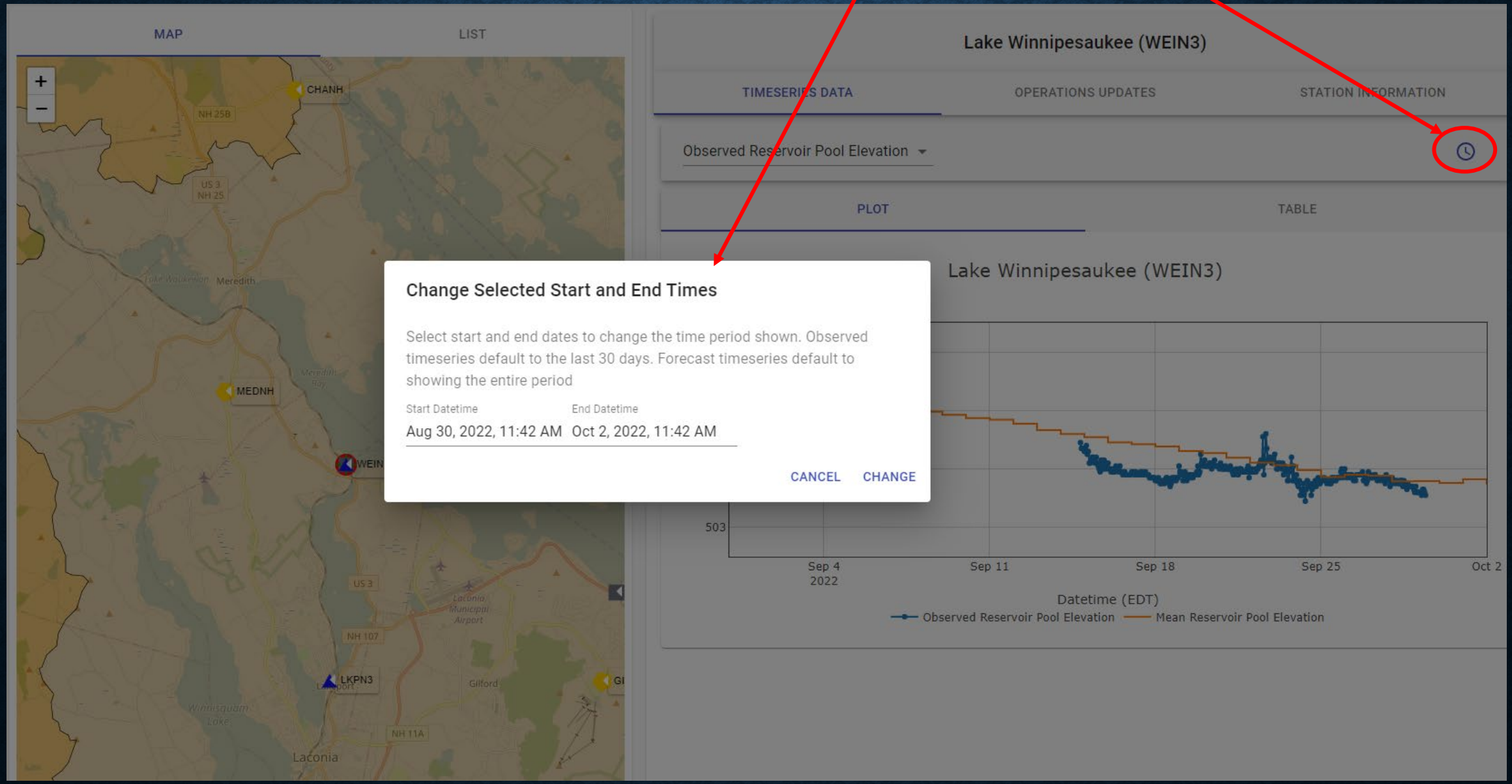


Select from different available timeseries data via the pull-down menu at top left of Plot view

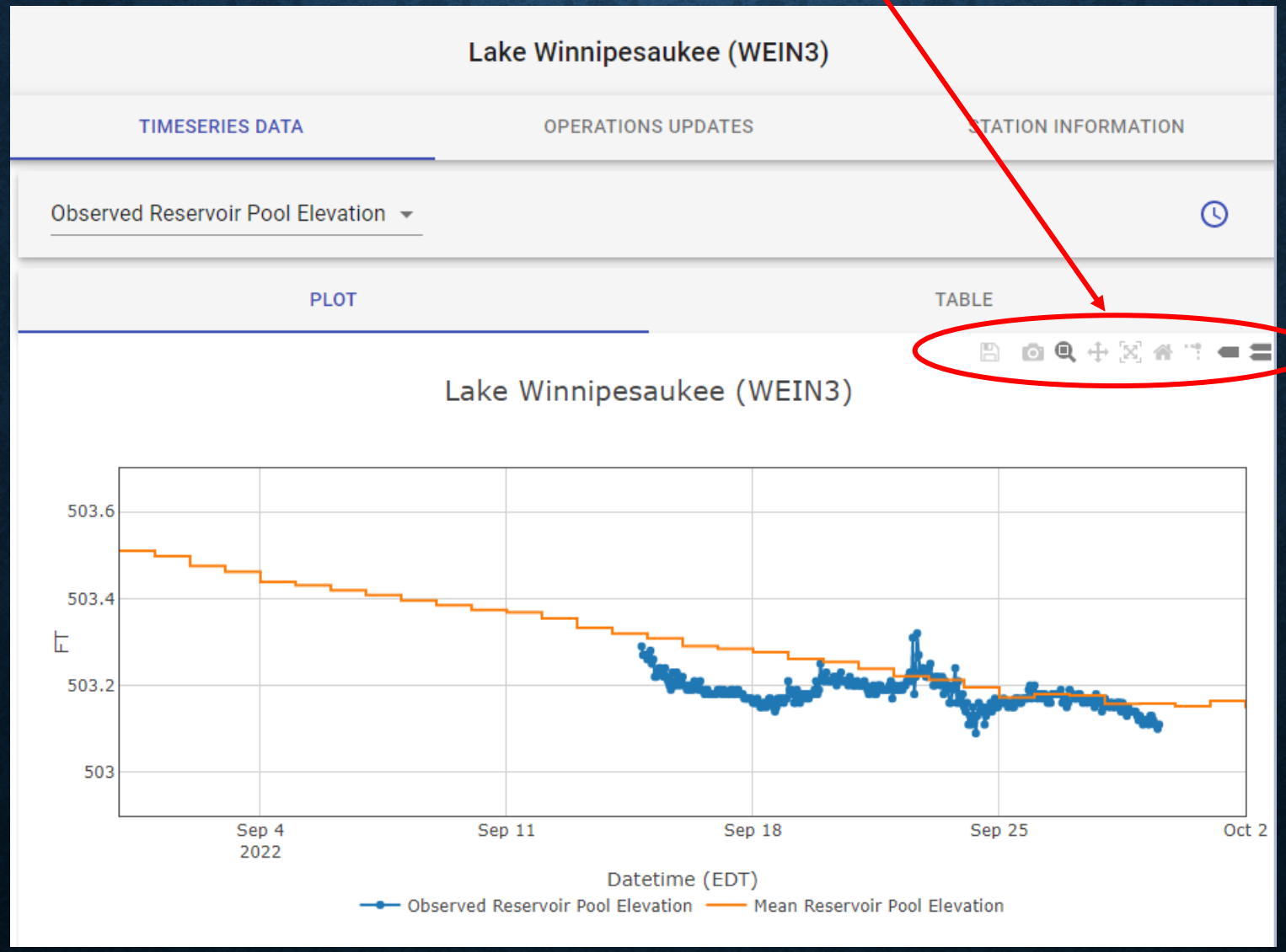


Display of timeseries on a given plot may be turned on or off by clicking the timeseries title in the legend

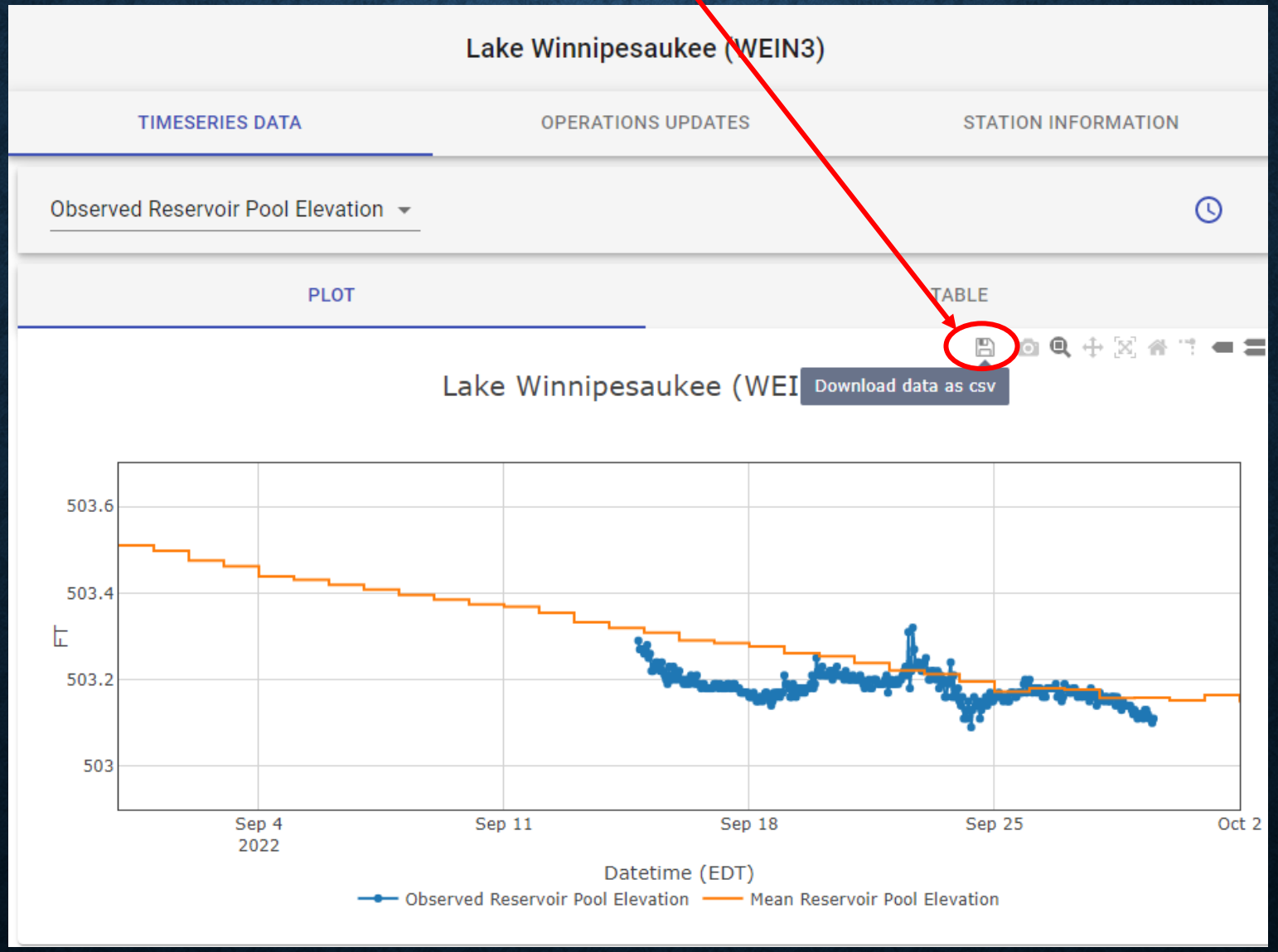
Clicking the clock symbol at the top right will open the ‘Change Selected Start and End Times’ dialog and allow user to expand or contract the graph date & time span



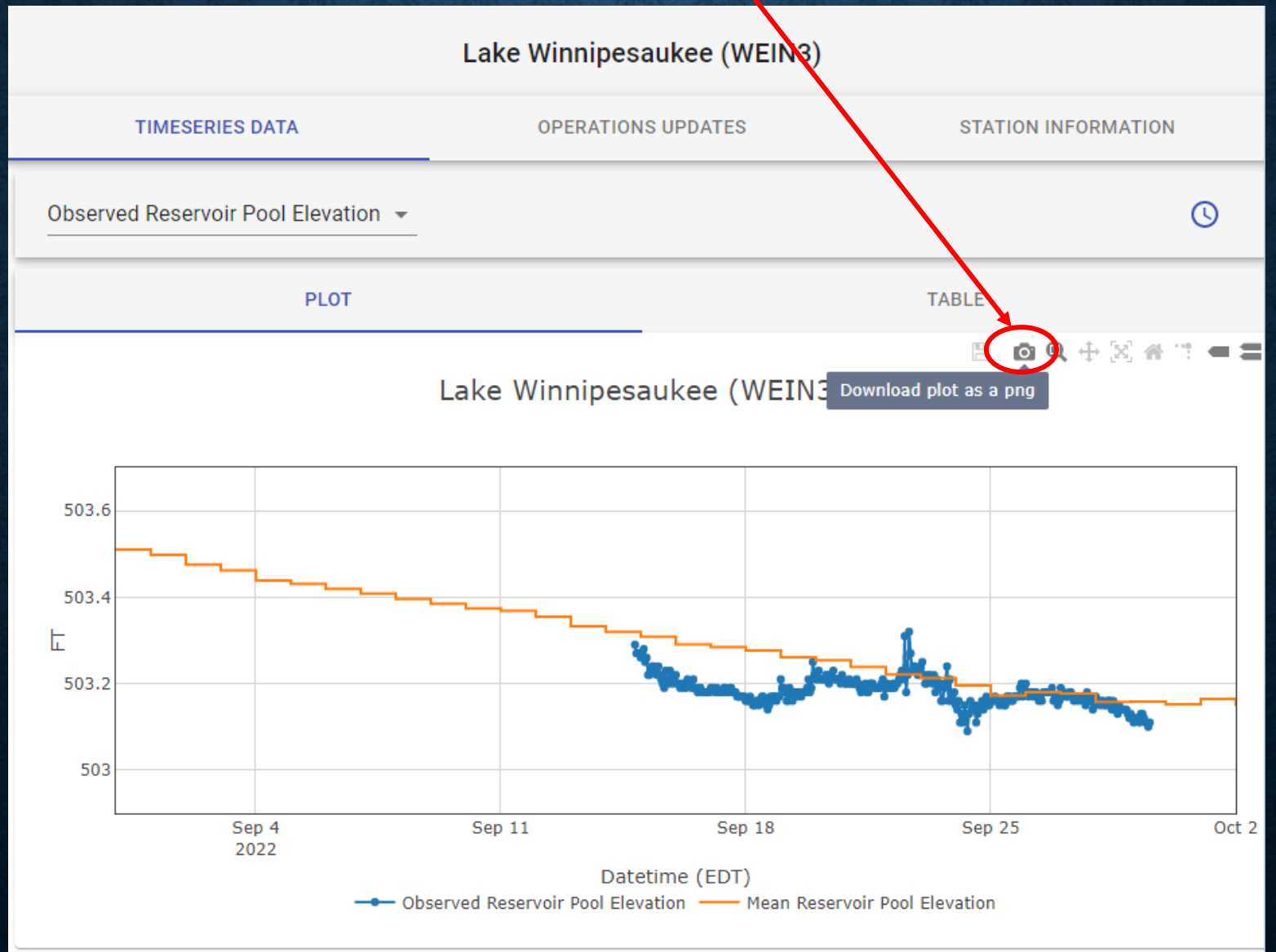
A number of plot functions are available at the top right of the plot space.



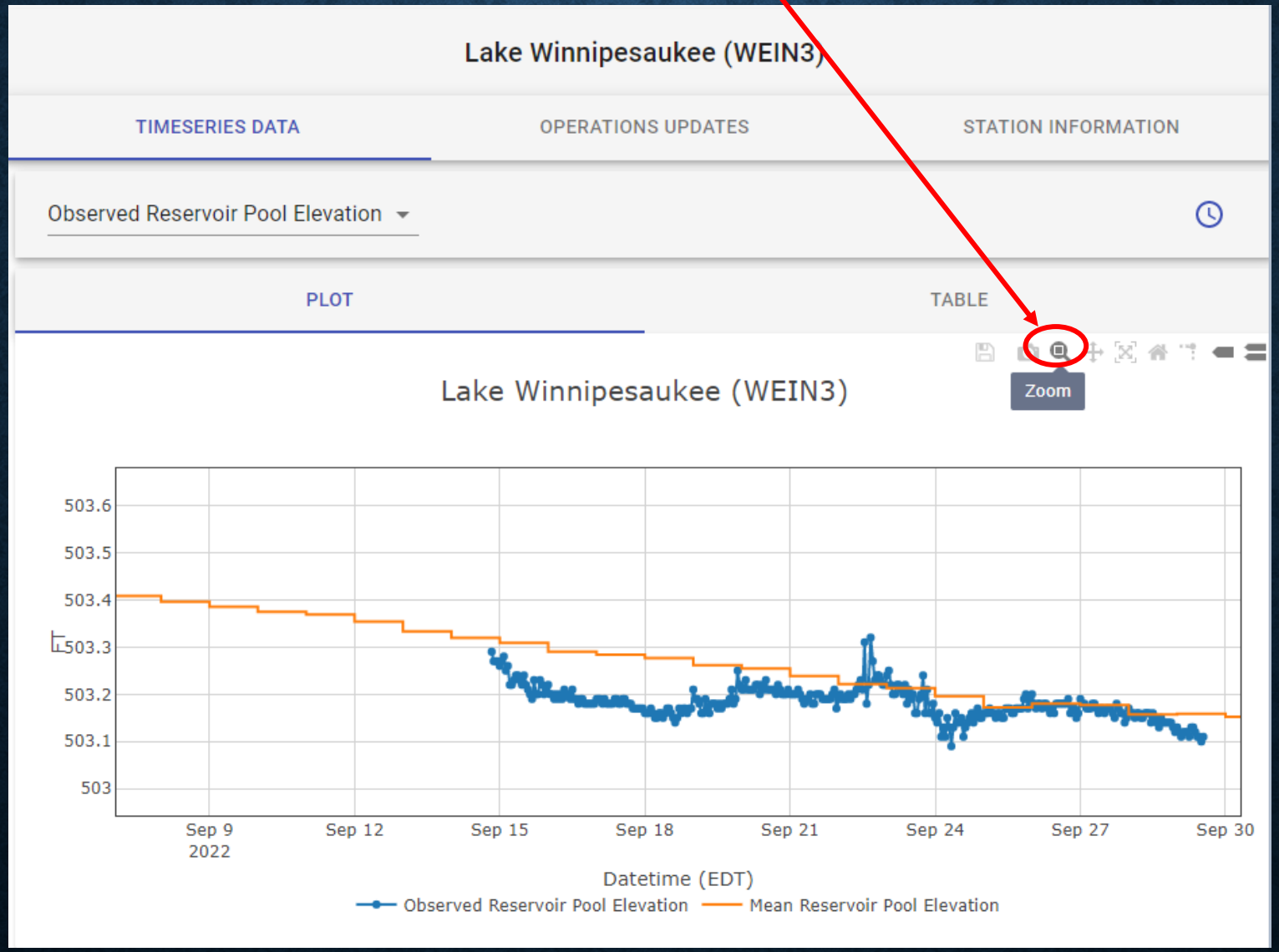
The disk icon allows user to download data to CSV file for the timespan selected.



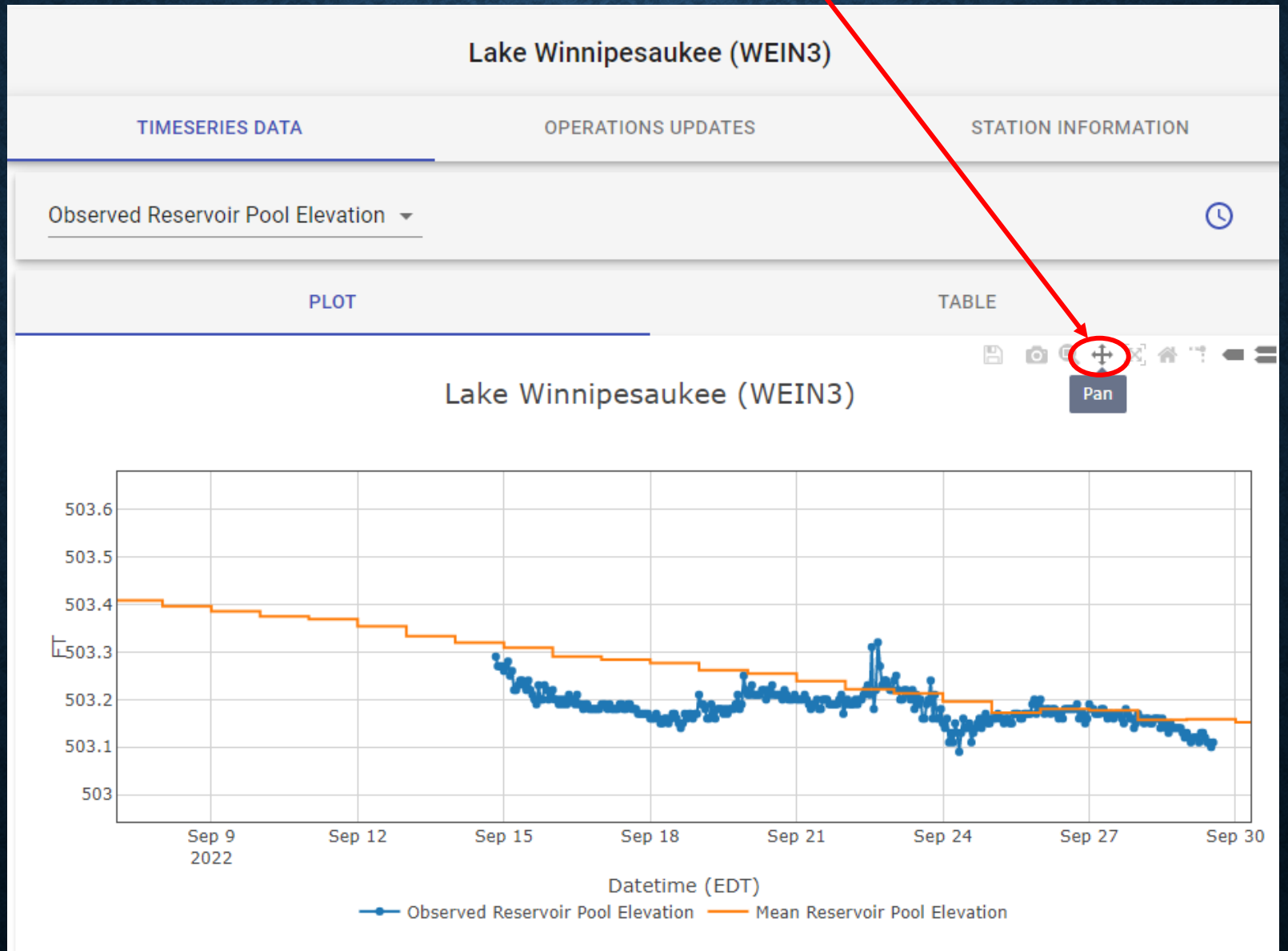
The camera icon allows user to download a plot in PNG format for the timespan selected.



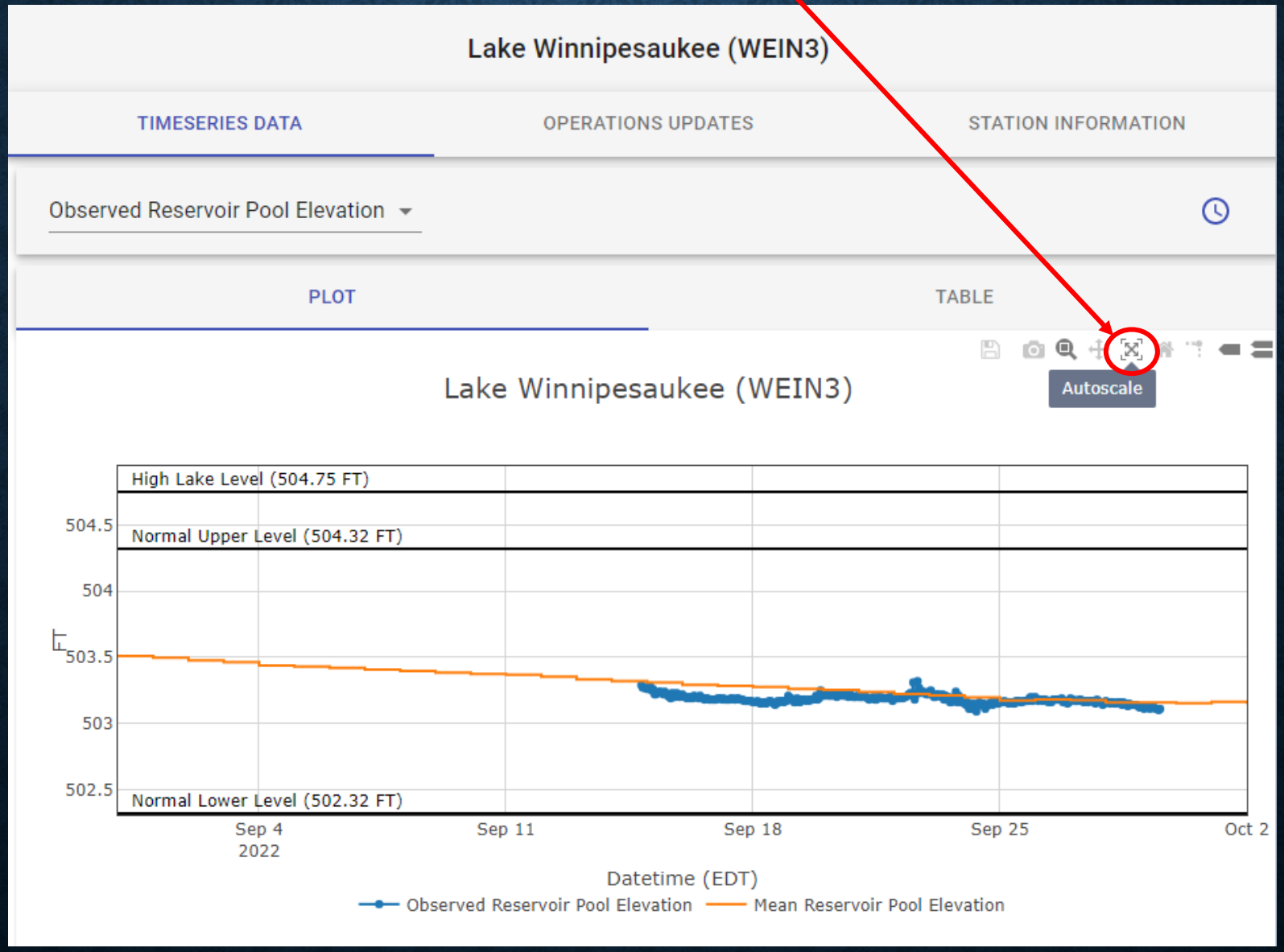
With the magnifying glass ‘Zoom’ icon selected (default) the user can click and drag to zoom in on the plot.
Zooming back out on a plot requires the use of either the ‘Autoscale’ or ‘Reset Axes’ icons featured in next slides



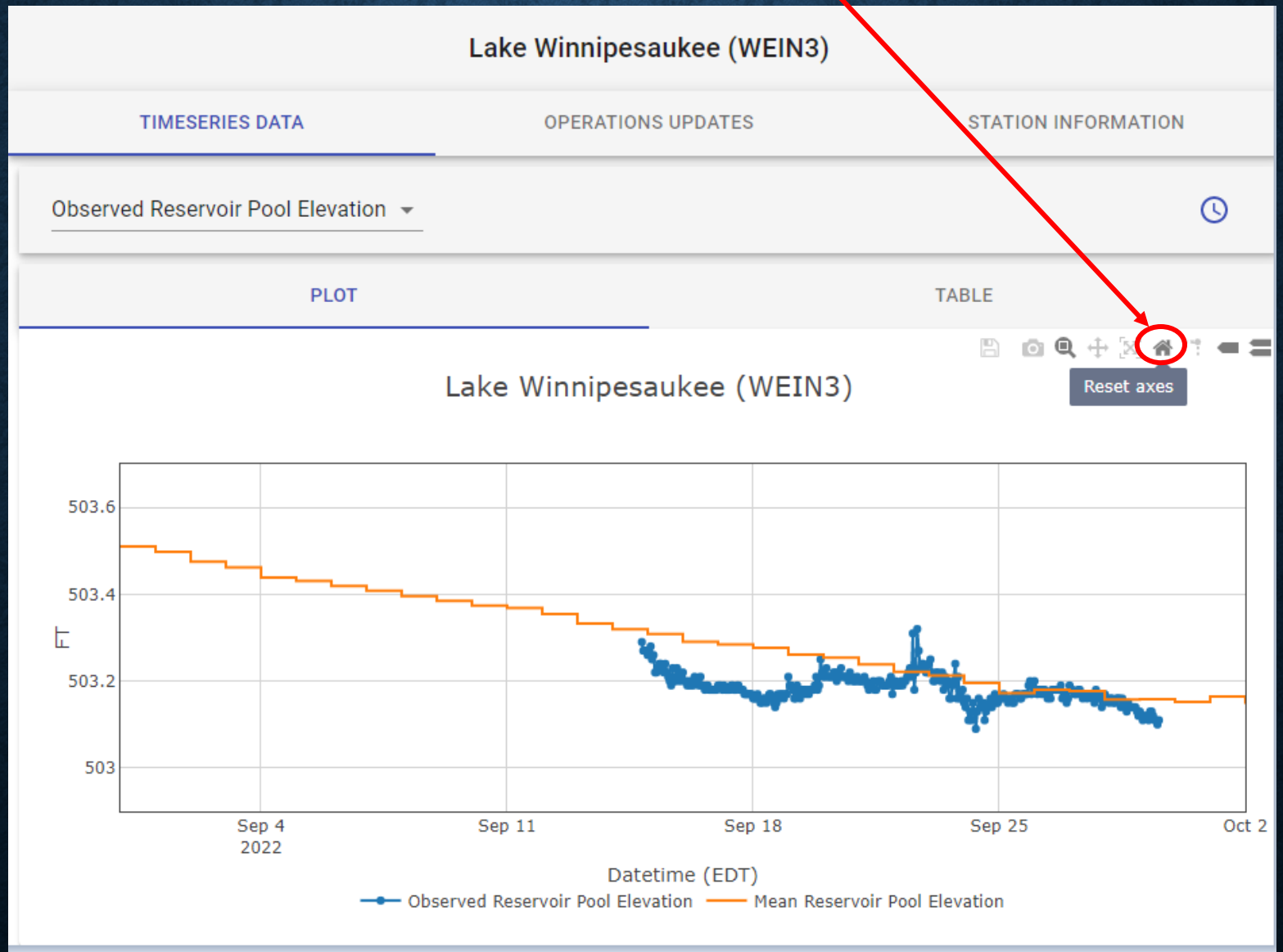
With the cross ‘Pan’ icon selected the user can click and drag to pan around the plot



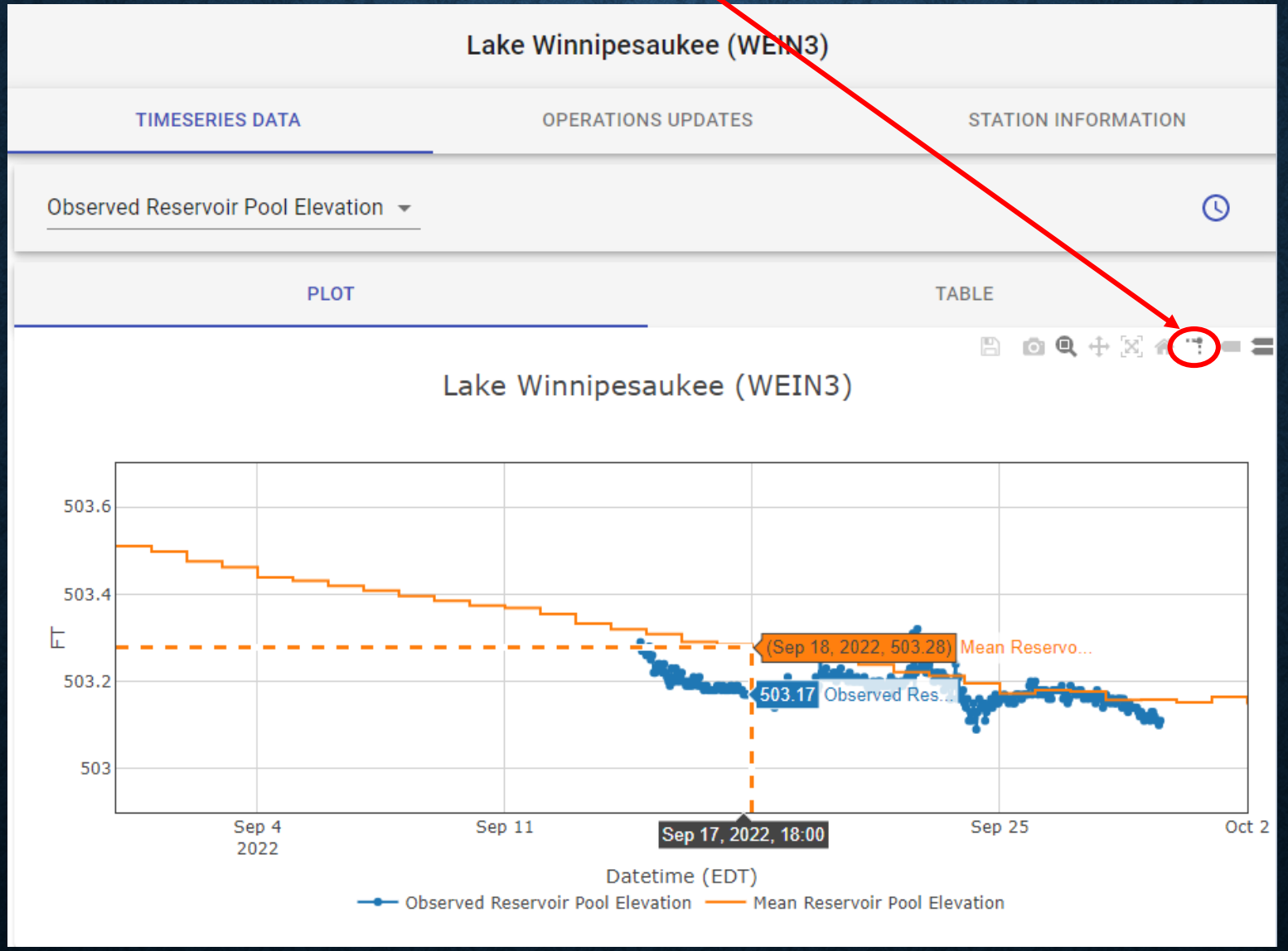
The “Autoscale” button will scale the plot to include all defined threshold lines for a given timeseries plot



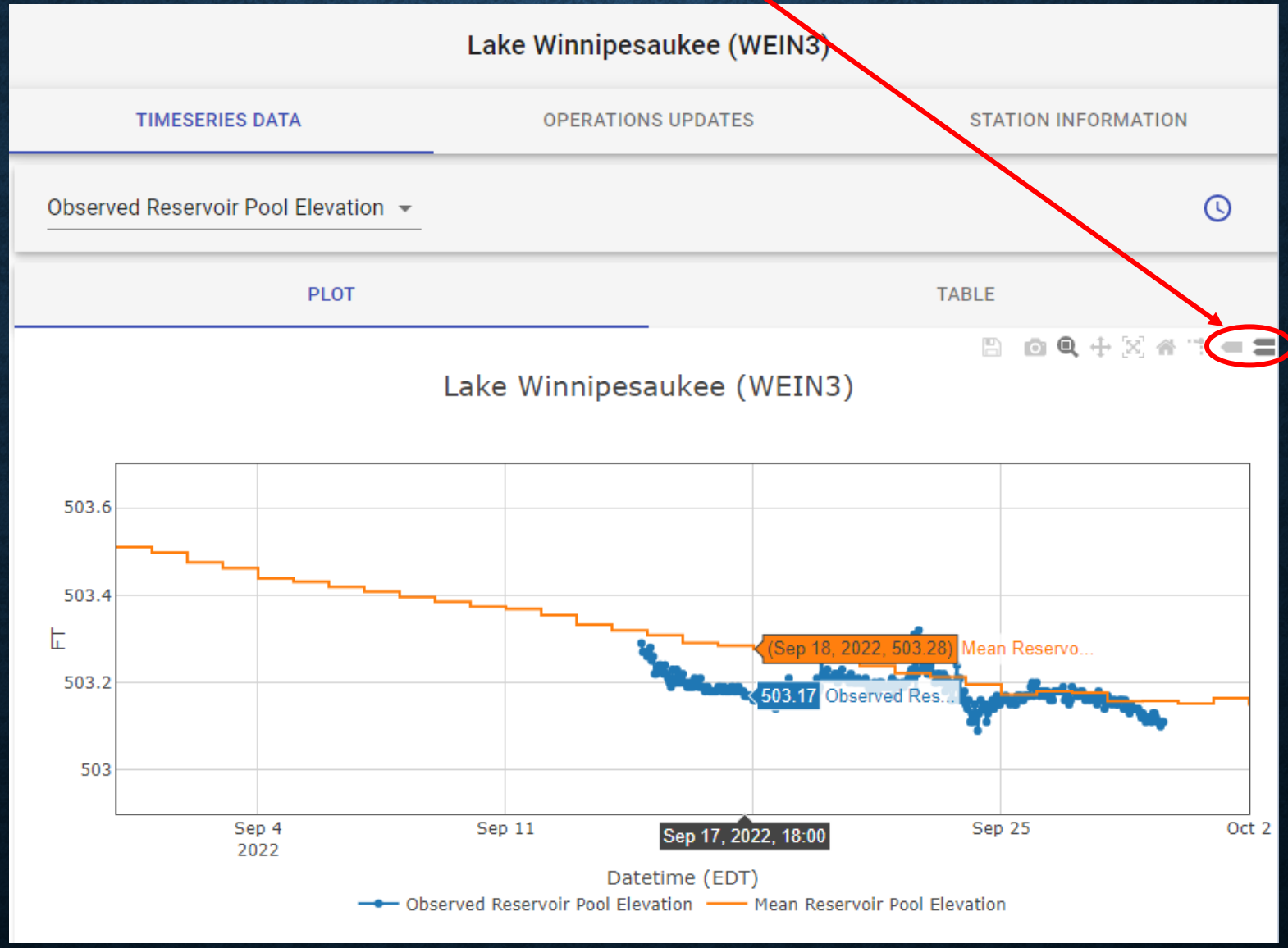
The “Reset Axes” button will re-scale the plot to the timeseries data only



The “Toggle Spike Lines” button will present dashed horizontal and vertical alignment lines when the mouse is hovered over plot time series

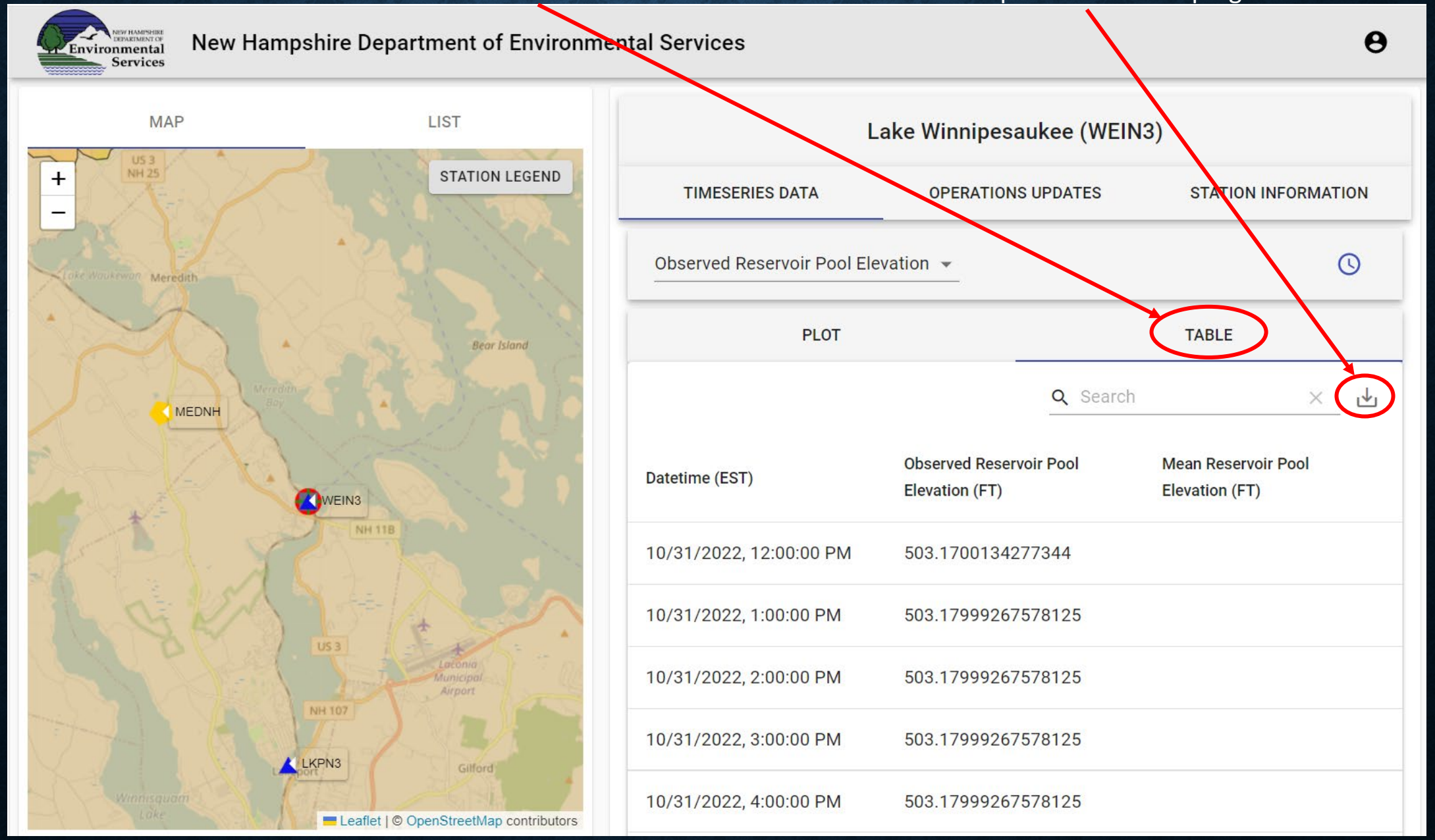


The default setting for mouse hovering is to “Compare data on hover” which will show values of all timeseries displayed for a given date-time point. User can select “Show closest data on hover” to only show a single timeseries datapoint, whichever is closest to mouse hover.



Click TABLE to view data in table format.

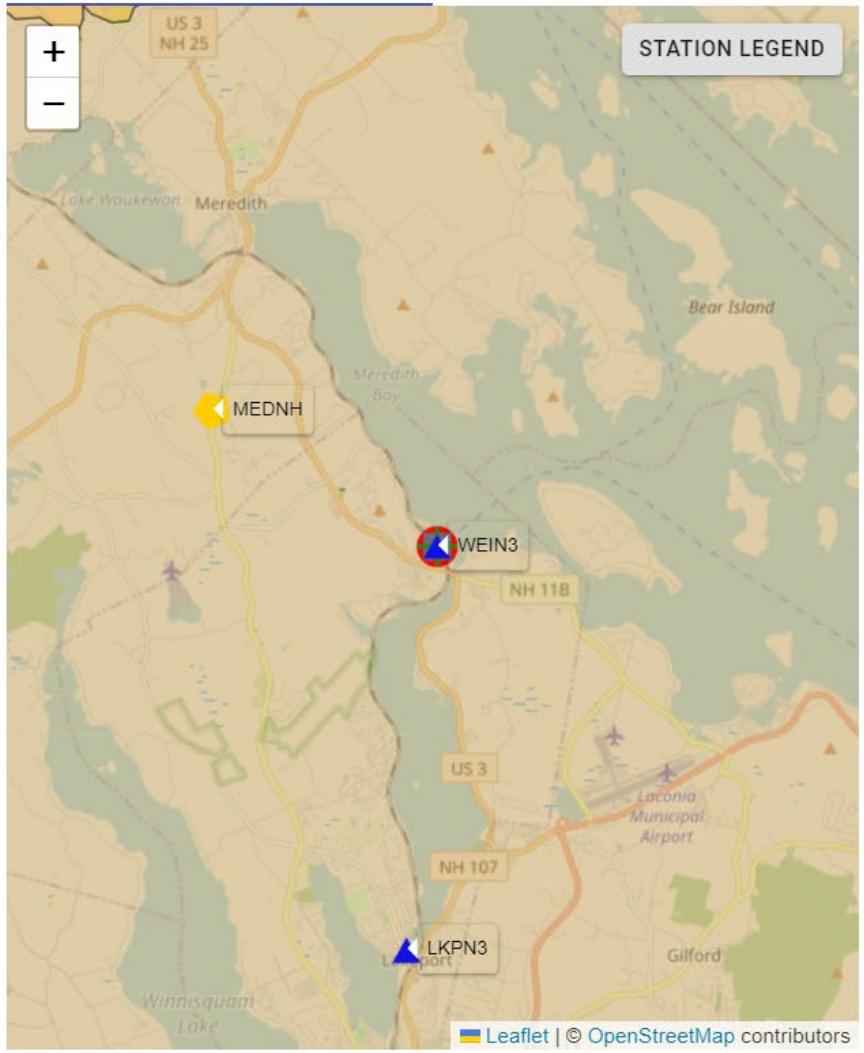
The entire data table (for timespan specified) can be downloaded to CSV or PDF file via the Export button at top right



For select stations, the user may view updates concerning dam & watershed operations by clicking the Operations Updates tab

New Hampshire Department of Environmental Services

MAP | LIST



Lake Winnipesaukee (WEIN3)

TIMESERIES DATA | OPERATIONS UPDATES | STATION INFORMATION

The information on this page is intended provide users with the most current operations information for the below referenced locations. For specific information about operations and the current water levels and discharges at these locations, select the site of interest from the map interface.

Winnipesaukee Operations

Wednesday, November 30, 2022, 5 AM readings

The level of Lake Winnipesaukee is at 502.99. The discharge at Lakeport Dam is 260 cfs.

Winnisquam Operations

Wednesday, November 30, 2022, 5 AM readings

The level of Lake Winnisquam is currently at elevation 482.46.
Outflow is about 285 cfs.

Silver Lake Operations

Wednesday, November 30, 2022, 5 AM readings

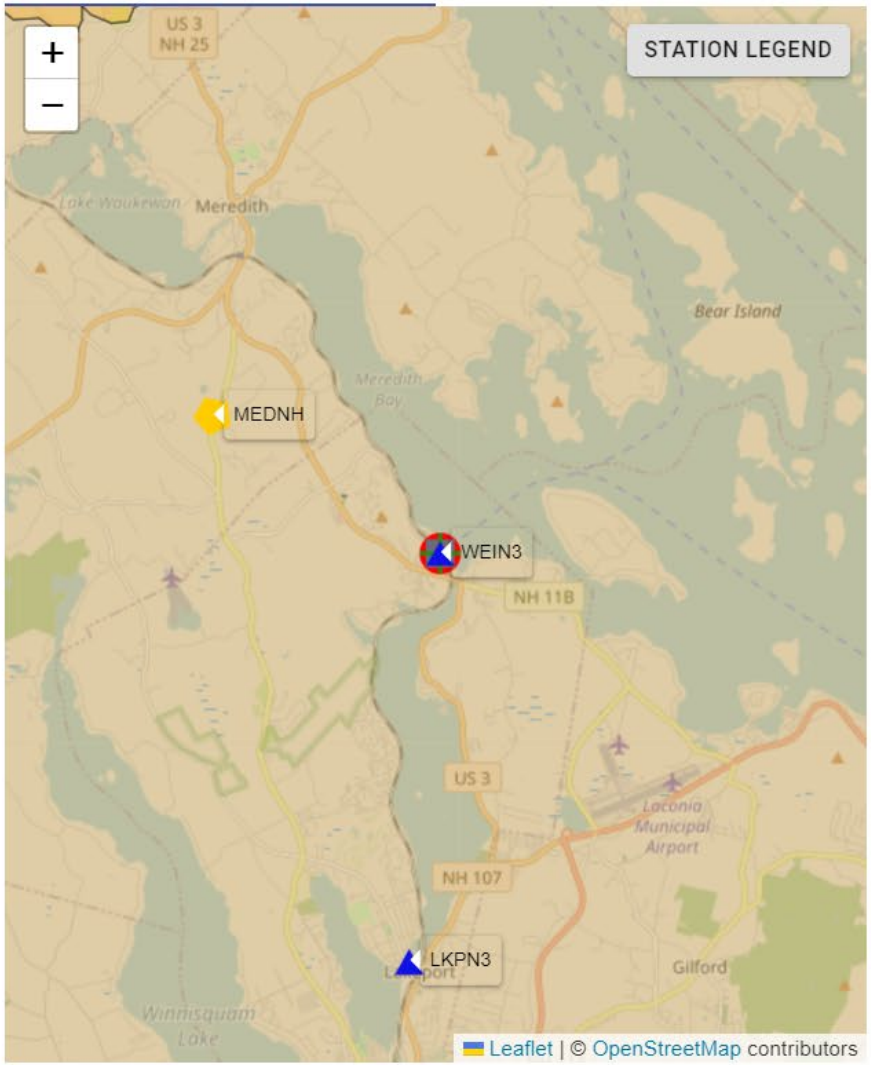
The level of Silver Lake is 463.90.

This message will be updated as necessary when operational changes are planned or implemented, otherwise the information should be considered representative of current conditions at each location.

More detailed information for the selected station may be viewed on the 'Station Information' tab

New Hampshire Department of Environmental Services

MAP | LIST



Lake Winnipesaukee (WEIN3)

TIMESERIES DATA | OPERATIONS UPDATES | STATION INFORMATION

NHDES - AUTO

This hydrometeorological gauging station is operated and maintained by the New Hampshire Department of Environmental Services (NHDES). Most data relayed by satellite or other telemetry have received little or no review. Inaccuracies in the data may be present because of instrument malfunctions or physical changes at the measurement site, including backwater effects due to ice formation. Although the data presented herein is intended to be an accurate representation of actual conditions, it is presented for informational purposes only and the user is cautioned to use it at his/her own risk.

WEIN3 Operations

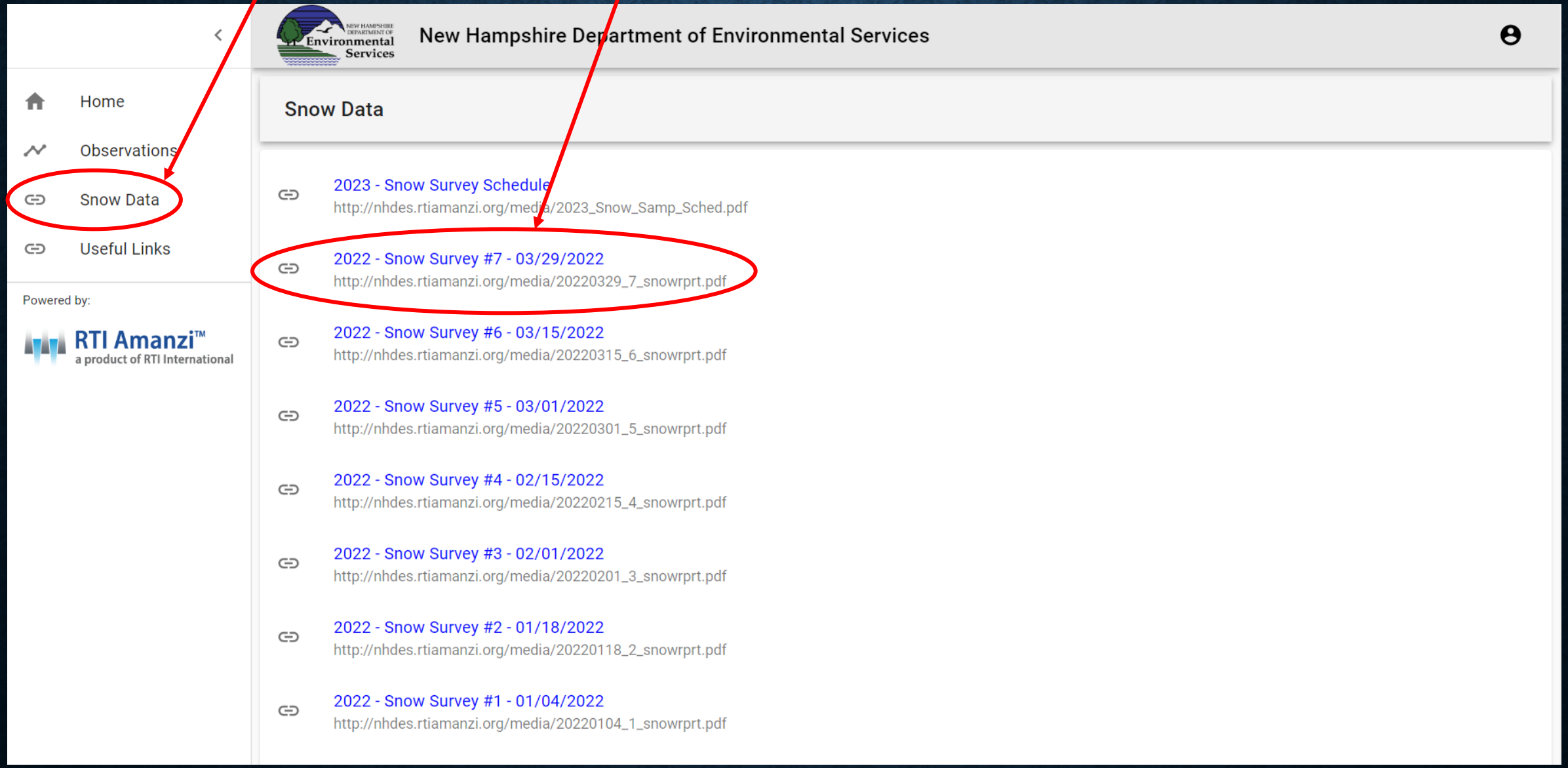
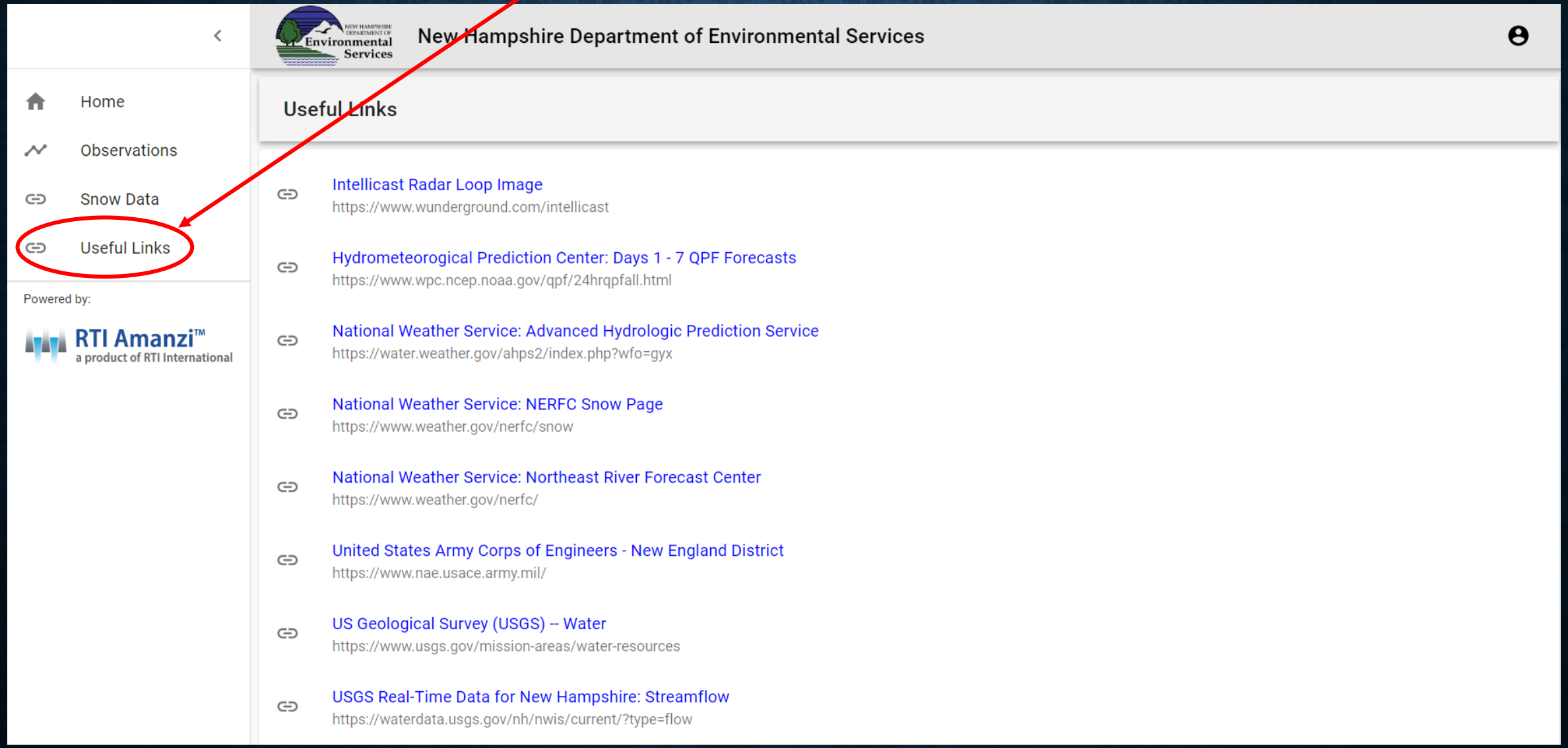
LOCATION
Laconia, NH
Latitude 43°36'27", Longitude 71°27'34" NAD27
This station is located beneath the Weirs Beach boardwalk and adjacent to the City of Laconia's public docks.
Belknap County, New Hampshire , Hydrologic Unit 01070002

DRAINAGE AREA
363.00 square miles.

GAGE
Datum of gage is 500.00 feet above sea level NGVD29.

SITE TYPE
Lake Winnipesaukee Stage (Lake elevation)

Current and archived PDFs of annual NHDES Snow Sampling Surveys are provided under the ‘Snow Data’ tab. Click any link to open a Snow Survey PDF.



Links to other sources of hydrologic and meteorological information are provided under the ‘Useful Links’ tab