

Lamprey River Watershed Loudon DAK HILL Lake Rollinsford. · South Berwick Barrington Epsom Concord Muni Airport ROCKY Concord Dover 125 Littlebrook Air York Pond Durham. Newmarket Tradeport Airport Kittery Poil New Castle Portsmouth 293 Greenland Goffstown Auburn Fremont Manchester Exeter North Hampton Chester Bedford. Hampton Kingston, Sandown Manchester East Kingston & Airport Hampton Falls

Water Quality Measurements

Grab Sample - Lab



In Situ Sensor

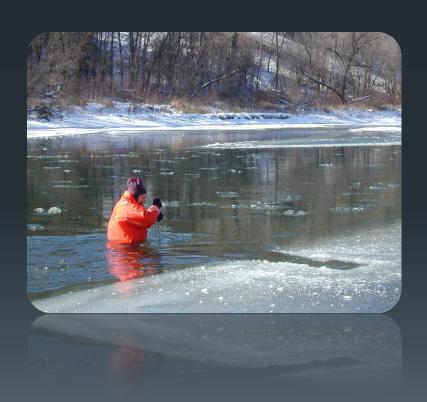


24 hrs / 365 days

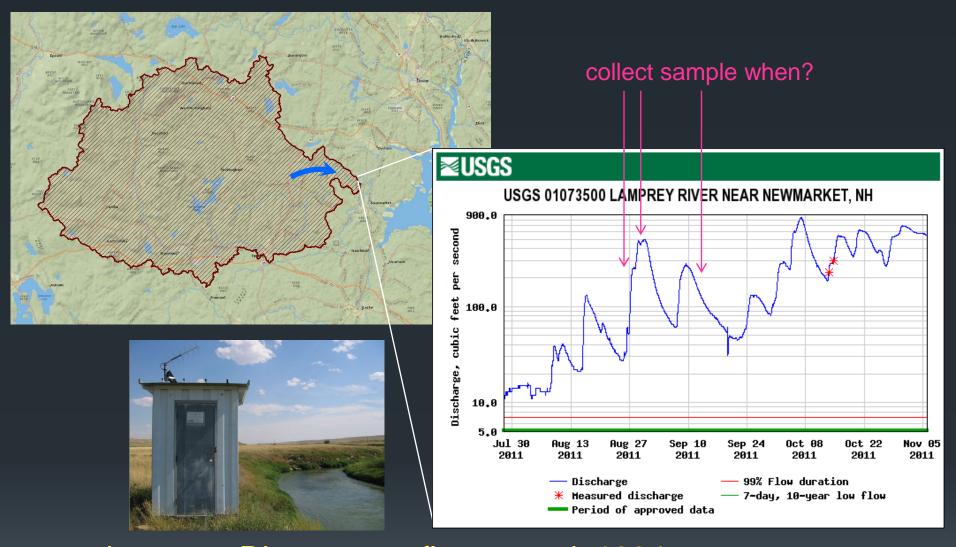
(15-min. interval)

Sampling in winter

Sample through ice - OR - Sensor deployed before ice







Lamprey River streamflow record: 1934 - present

USGS gaging station

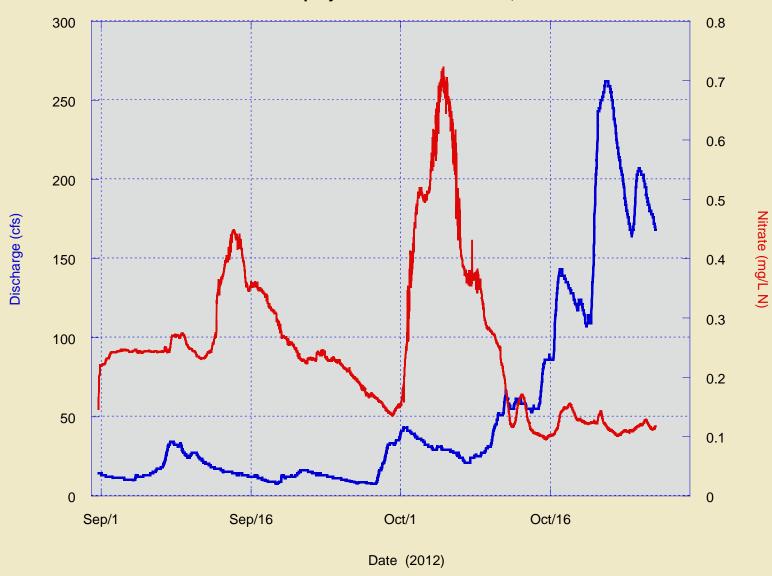
Lamprey River near Newmarket, NH



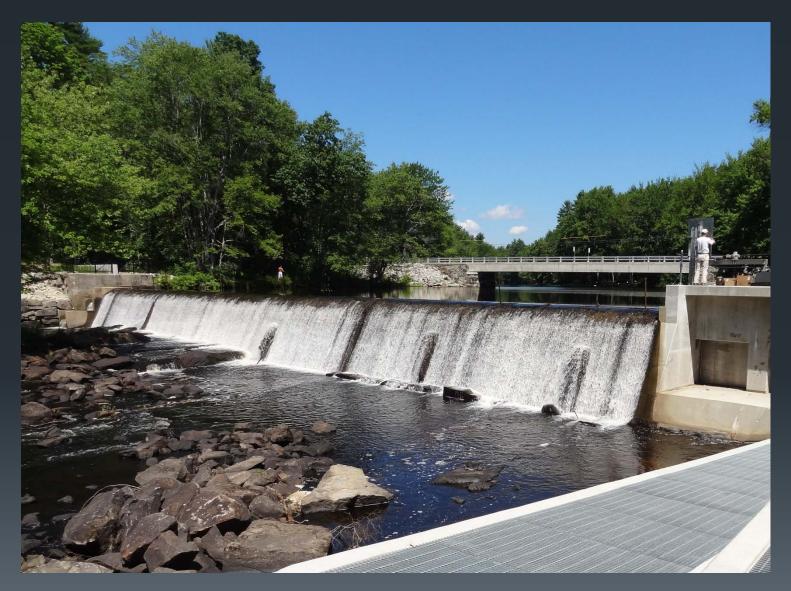
CDOM (ppb QSE)

Date 2012

Lamprey River near Newmarket, NH



Wiswall Dam, Durham NH







In Situ Sensors:

- Nitrate
- Dissolved Organic Matter
- Dissolved Oxygen
- Turbidity
- Temperature
- Conductivity
- pH



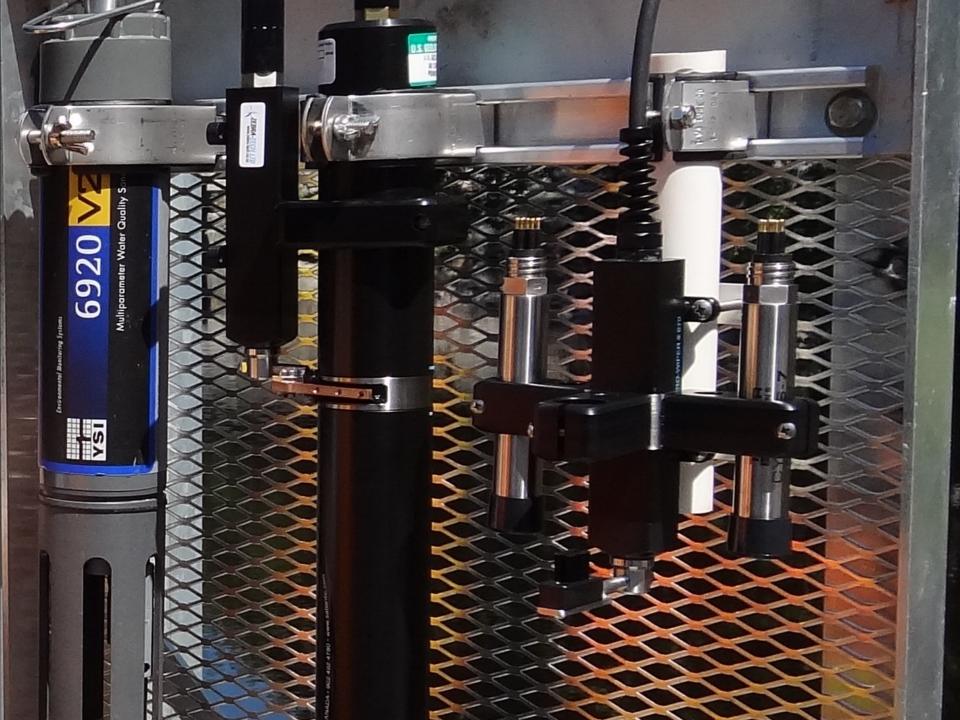
Optical sensors

Measure absorption, scatter, or fluorescence of light





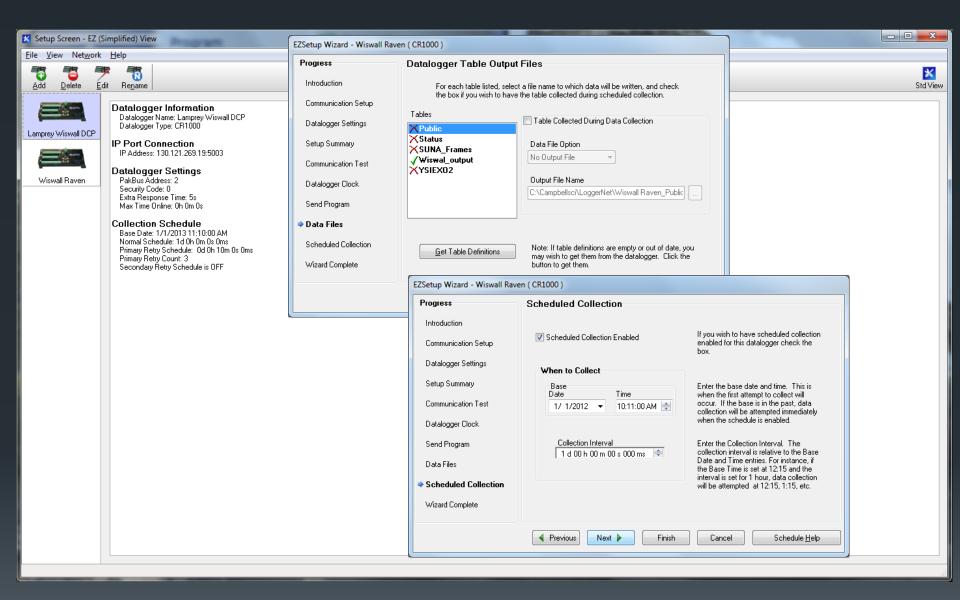


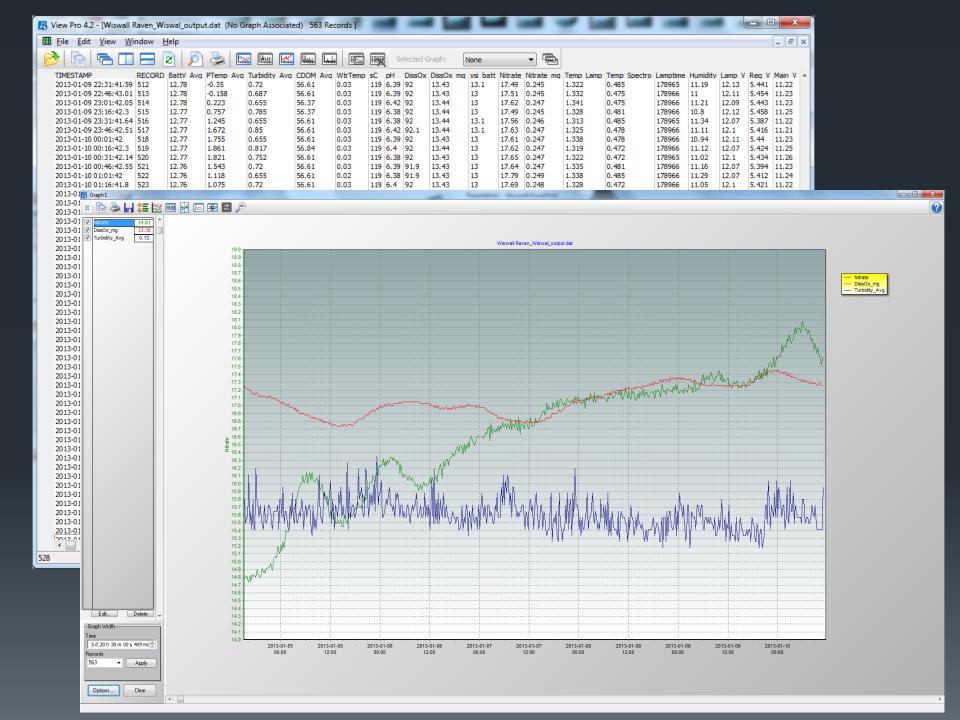












USGS National Water Information System



USGS Water Data for New Hampshire

To view real-time groundwater levels in New Hampshire. click here

Search for Sites With Data

Current Conditions

News - updated January 8,2013

Sites with real-time or recent surface-water, groundwater, or water-quality data.

Site Information

Descriptive site information for all sites with links to all available water data for individual sites.



Map of all sites with links to all available water data for individual sites.

Frequent Searches By Data Category

Surface Water Water flow and levels in streams and lakes.

Groundwater Water levels in wells.

Water Quality

Chemical and physical data for streams, lakes, springs, wells and other sites.

Water Use Water use information.

Introduction

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is a comprehensive and distributed application that supports the acquisition, processing, and long-term storage of water data. USGS Water Data for the Nation Site serves as the publicly available portal to a geographically seamless set of much of the water data maintained within NWIS (additional background).

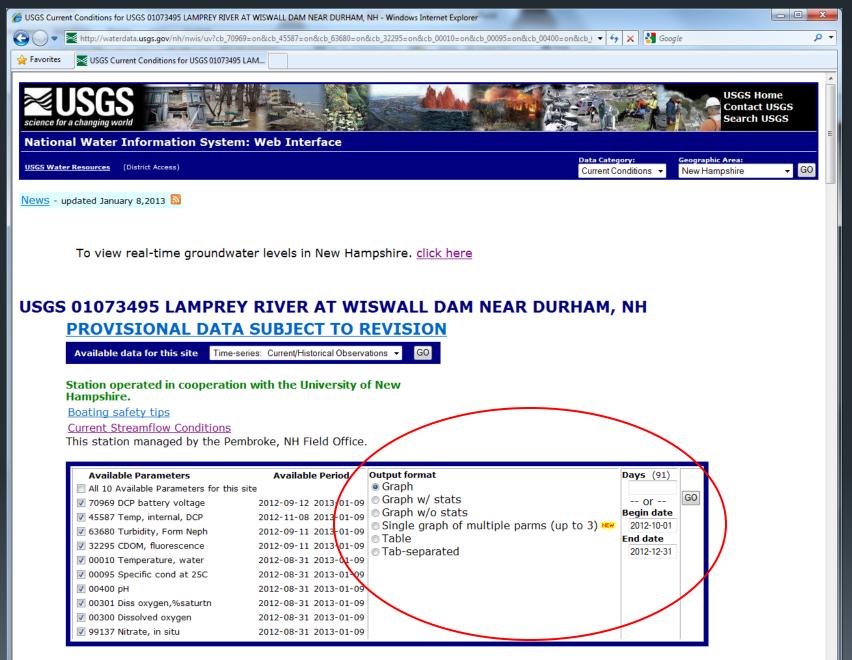
USGS Water Data for the Nation Site provides access to water data from over 1.5 million sites in all 50 States and additional border and territorial sites. The data are organized within the categories listed to the left.

The water data available via this site have been acquired as part of the USGS investigations of the occurrence, quantity, quality, distribution, and movement of the surface and underground waters that constitute the Nation's water resources. Additional information about the USGS and water resources of the Nation is available at water.usgs.gov.

About Us

Help

Tutorial



<u>Summary of all available data for this site</u> <u>Instantaneous-data availability statement</u>

