



Water Resources Science *of the* U.S. Geological Survey *in New York*

General Information Product 185

New York State Federation of Lake Associations —May 2019



- ❑ **Minimize loss of life and property** as a result of water-related natural hazards, such as floods, droughts, and land movement.
- ❑ **Effectively manage groundwater and surface-water resources** for domestic, agricultural, commercial, industrial, recreational, and ecological uses.
- ❑ **Protect and enhance water resources** for human health, aquatic health, and environmental quality.
- ❑ **Contribute to the wise physical and economic development of resources** for the benefit of present and future generations.

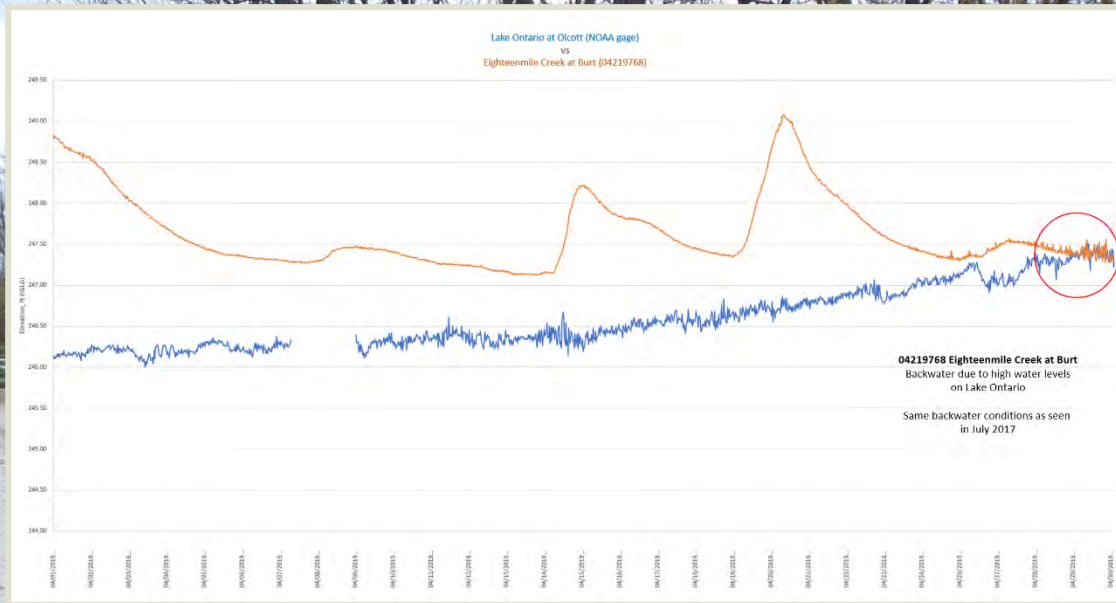
- Department of the Interior
- U.S. Geological Survey (USGS)
- **Water Mission Area** (others... Core Science Systems, Ecosystems, Energy and Minerals, Environmental Health, Land Resources, Natural Hazards)
- **Northeast Region** (Virginia–Maine & Kentucky)
- New York Water Science Center (**NYWSC**)
 - 4 Offices—*Coram, Ithaca, Potsdam, & Troy*
 - ~150 Scientists, Hydrologic Technicians, and Support Staff

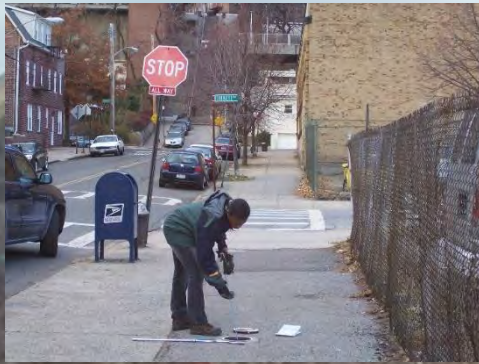




- ❑ The NYWSC has **four offices** in New York (Troy, Coram, Ithaca, and Potsdam).
- ❑ **~125** Scientists, Technicians, Students, and Support Staff.
- ❑ Backed by a the World's Foremost Experts in Earth System Science (8000+ Strong).
- ❑ Mostly non-federal funding (Matching Funds) —*adapt our science to meet cooperator needs*
- ❑ Some cooperators include: NYSDOS, NYSDEC, NYCDEP, Canal Corp, ACOE, TNC, etc. (~100 Customers at any one time)
- ❑ Avoid competition w/Private Sector

1. Groundwater and Surface-Water Information
2. Water Availability and Use
3. Geospatial Applications
4. Water Quality
5. Ecosystem Health
6. Coastal Science
7. Geophysics
8. Harmful Algal Blooms





Data Networks –Groundwater Wells



Data Networks –Tide Gages

Predefined displays ---

Group table by

New York Lake and Reservoir Table

Select sites by number or name

go

show sites on a map

Station Number
[01304250](#)

[01304705](#)

[01314500](#)
[01323500](#)
[01330884](#)
[01343900](#)

[01350100](#)

[01499500](#)
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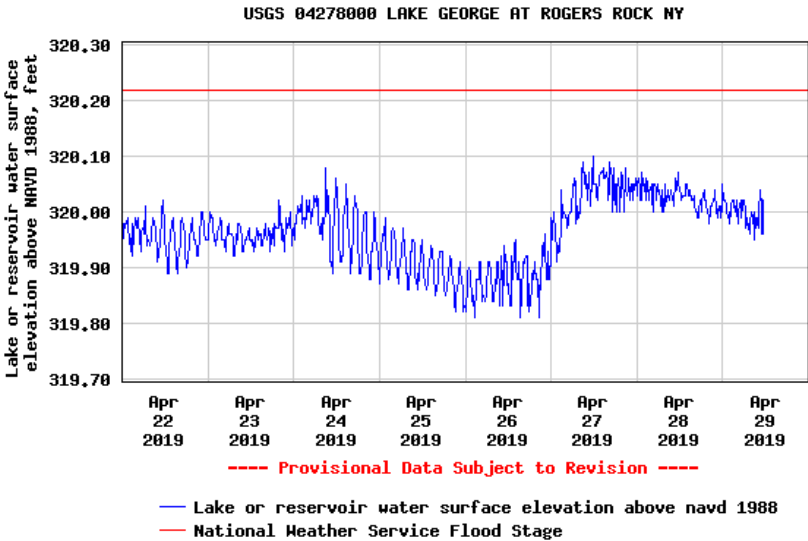
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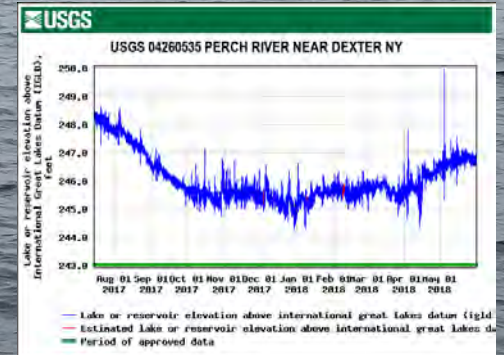
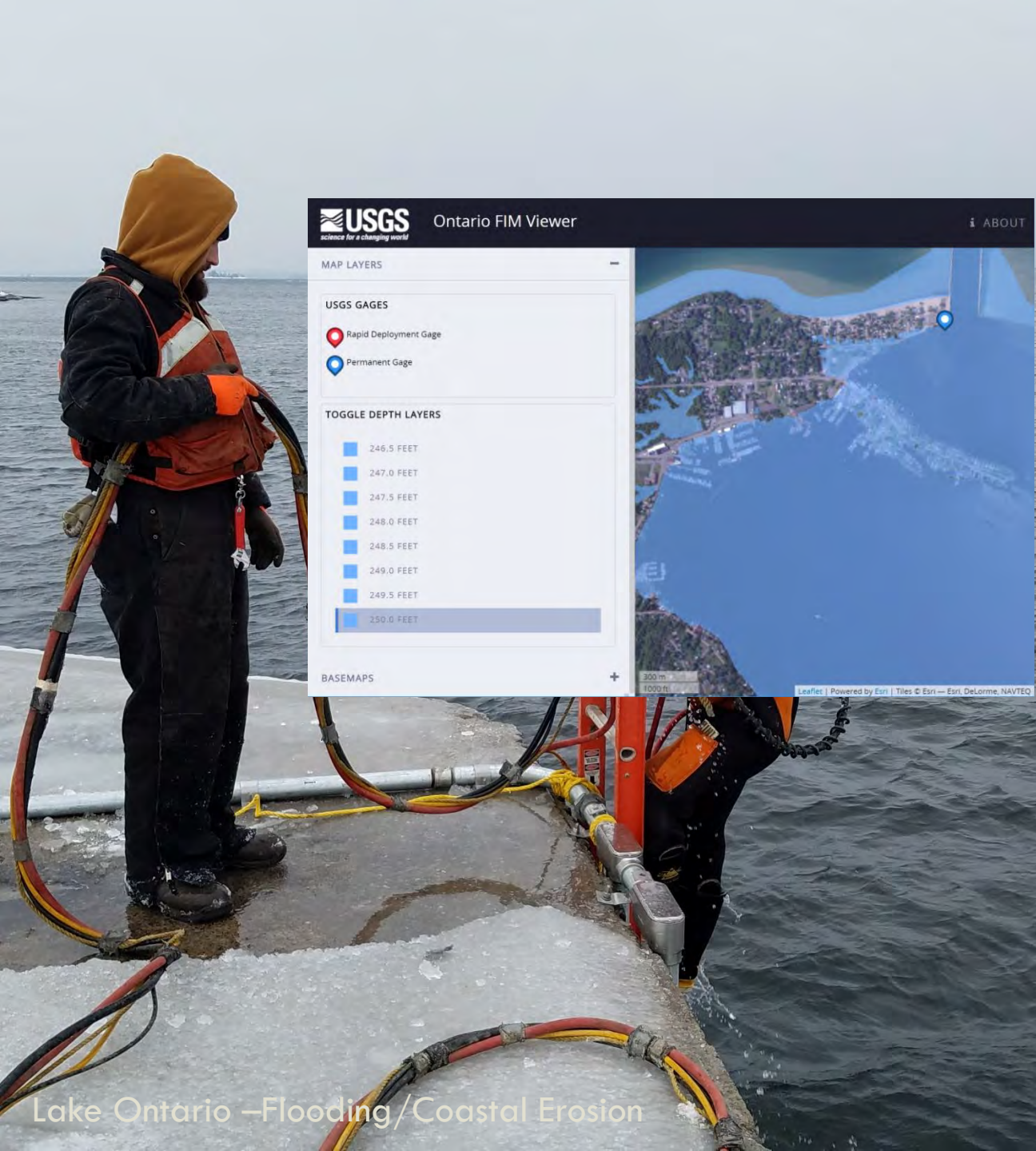
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[04253400](#)
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[04294413](#) LAKE GEORGE AT ROGERS ROCK NY
[04294500](#) LAKE CHAMPLAIN NORTH OF WHITEHALL NY
[04295000](#) [backup]
[04294413](#) LAKE CHAMPLAIN AT PORT HENRY NY
[04294500](#) LAKE CHAMPLAIN AT BURLINGTON, VT
[04295000](#) RICHELIEU R (LAKE CHAMPLAIN) AT ROUSES POINT NY

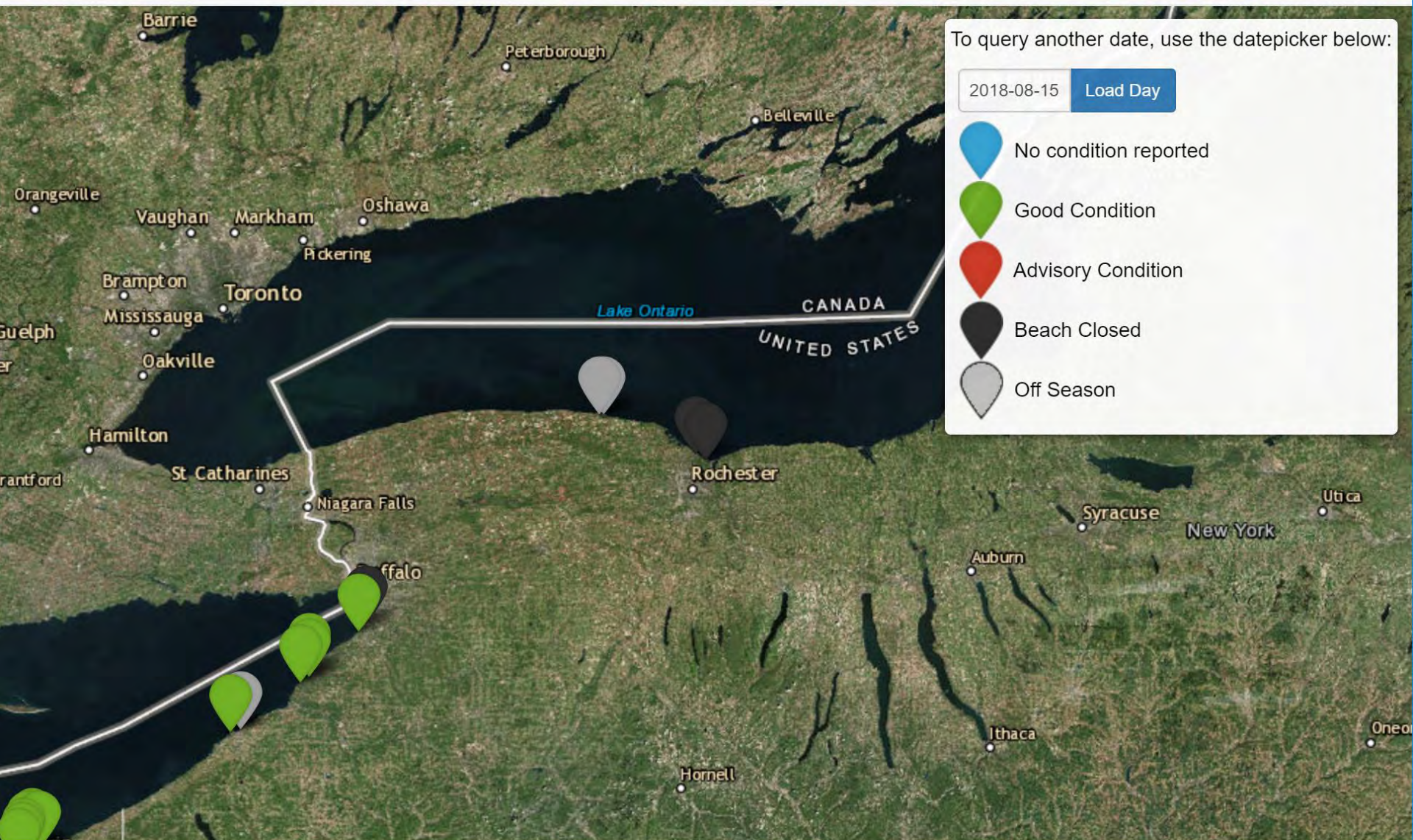


LAKE GEORGE AT ROGERS ROCK NY
 LAKE CHAMPLAIN NORTH OF WHITEHALL NY
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 RICHELIEU R (LAKE CHAMPLAIN) AT ROUSES POINT NY

04/29 11:30 EST	320.30	320.02	--	--	--
04/29 10:45 EST	101.01	100.74	--	--	--
04/29 10:45 EST	101.04	100.77	--	--	--
04/29 10:45 EST	101.03	100.09	--	--	--
04/29 12:00 EDT	100.93	--	--	--	--
04/29 11:00 EST	100.74	100.31	--	--	--



Lake Ontario –Flooding/Coastal Erosion

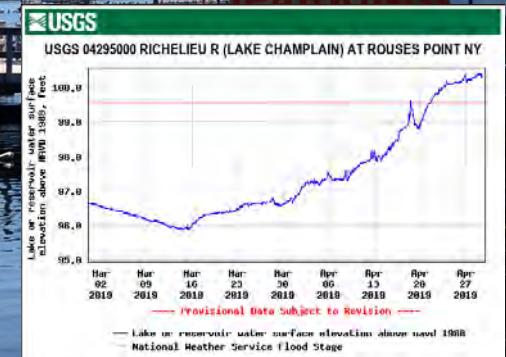


To query another date, use the datepicker below:

2018-08-15

[Load Day](#)

-  No condition reported
-  Good Condition
-  Advisory Condition
-  Beach Closed
-  Off Season



Lake Champlain –Transboundary



NYC Drinking Water Supply

1) Three multi-parameter sondes: shallow, mid, bottom

Temperature, specific conductance, dissolved oxygen (concentration and saturation), pH, turbidity, chlorophyll and phycocyanin fluorescence, dissolved organic matter fluorescence.

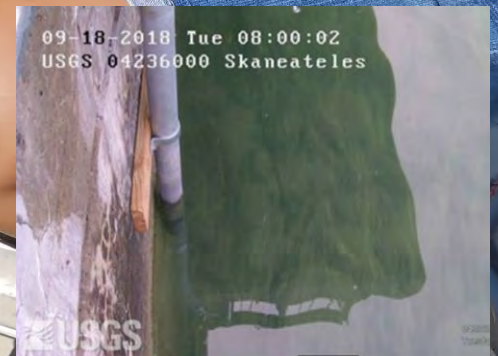
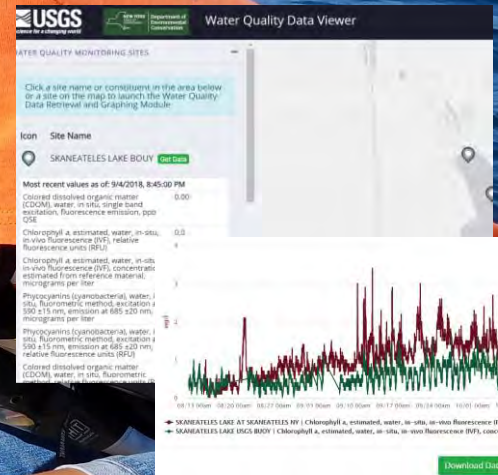
2) Temperature and light sensors every 1-m to bottom

3) Optical nitrate & orthophosphate sensors near surface

4) Multi-channel fluorometer

5) Acoustic Doppler Current Profiler

6) Meteorological stations and cameras



National Water Information System: Mapper

Help Info

Sites Map

Search

Search by Street Address:

Enter Street Address

Search by Place Name:

Enter Place Name

Search by Site Number(s):

Enter Site Number(s)

Search by State/Territory:

Select an Area

Search by Watershed Region:

Select a Region

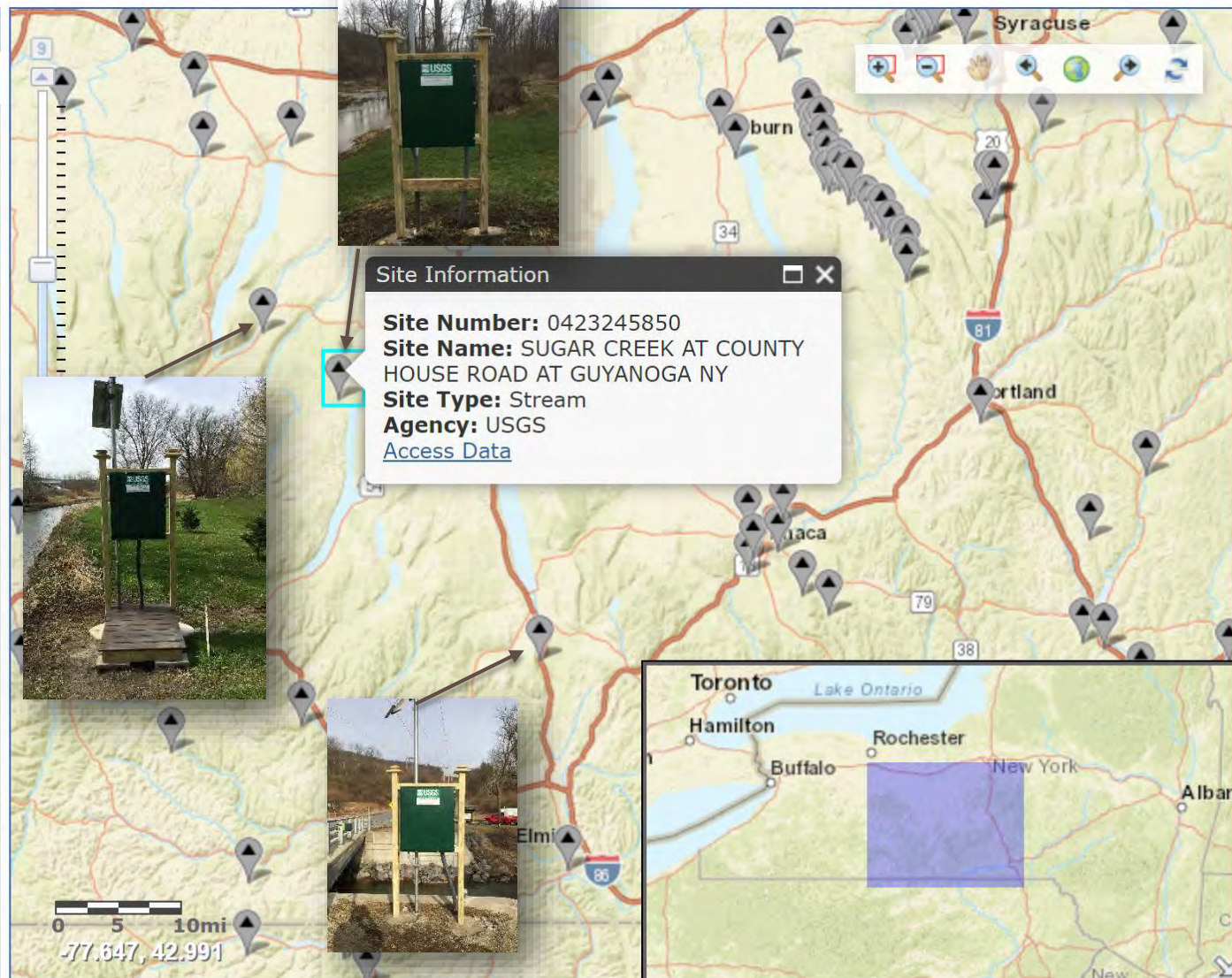
Surface-Water Sites

Groundwater Sites

Springs

Atmospheric Sites

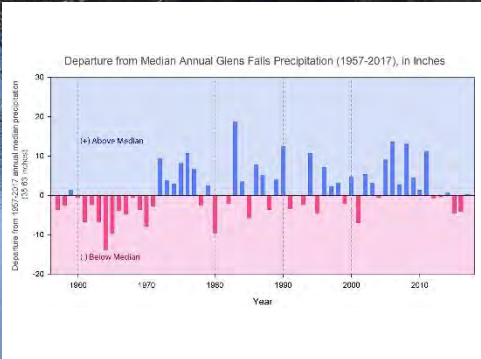
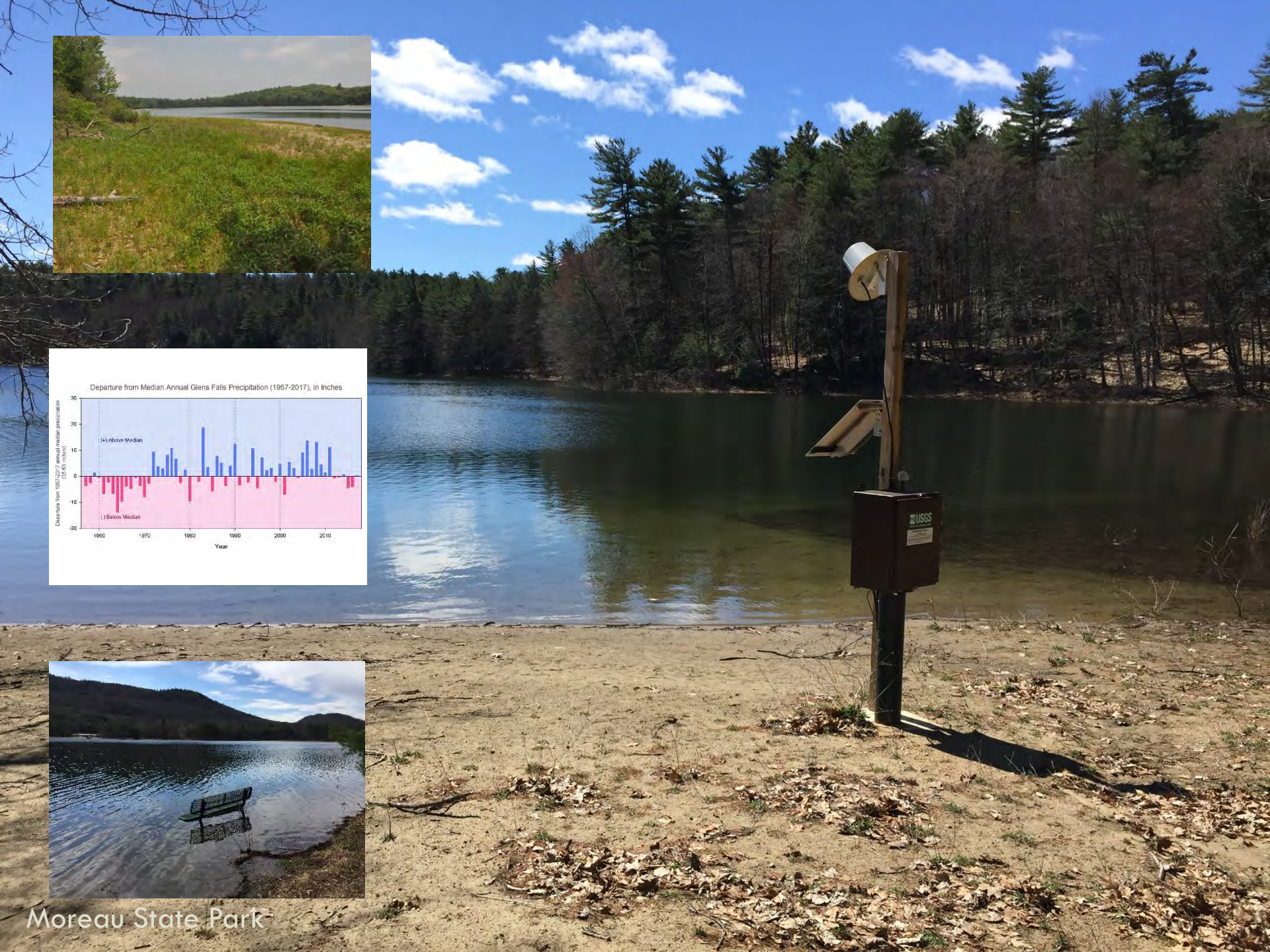
Other Sites



Site Information



Honnedaga Lake



Moreau State Park



Wednesday, May 21, 2014

Read Bookclub Reading
Social Studies

Snack

Music

Book Clubs

Lunch and Recess

Mr. McHale
12:55-1:55

Math

Other: Stud...

What Can I Write About?

Topics

pets/animals

nature

insects

weather

arachnids (spiders)

homework

school

birthdays

family

vacation

beach

sports

special occasions

safety

cultures/history

hobbies

reading

favorite objects

friends

space

playing

food

places

camping

traveling

fishing

music

art

movies

swimming

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U.S. Geological Survey

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