



Adirondack
Park Agency

Chateaugay Lake Foundation P2025-78

Agency Meeting Presentation

June 13, 2025

Presentation Overview

- Jurisdiction
- Conclusions of Law
- Project Location
- Management History in Chateaugay Lake
- Proposed Treatment
- Public Comment & Review by Others
- Staff Recommendation
- Q & A

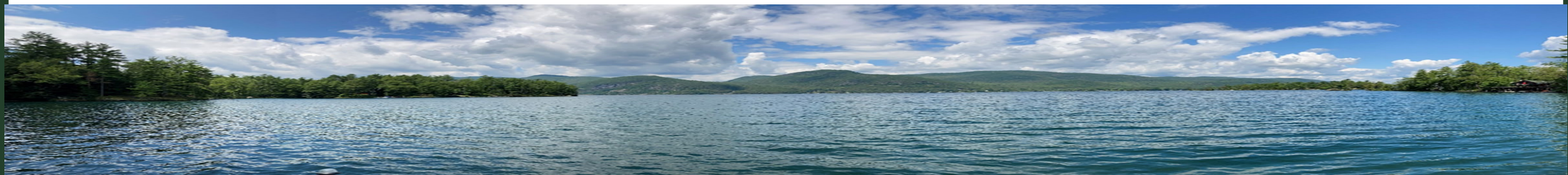
Jurisdiction

9 NYCRR Section 578.3(n)(2)(i)

- Regulated Wetland Activity
 - Application of Herbicides in Wetlands

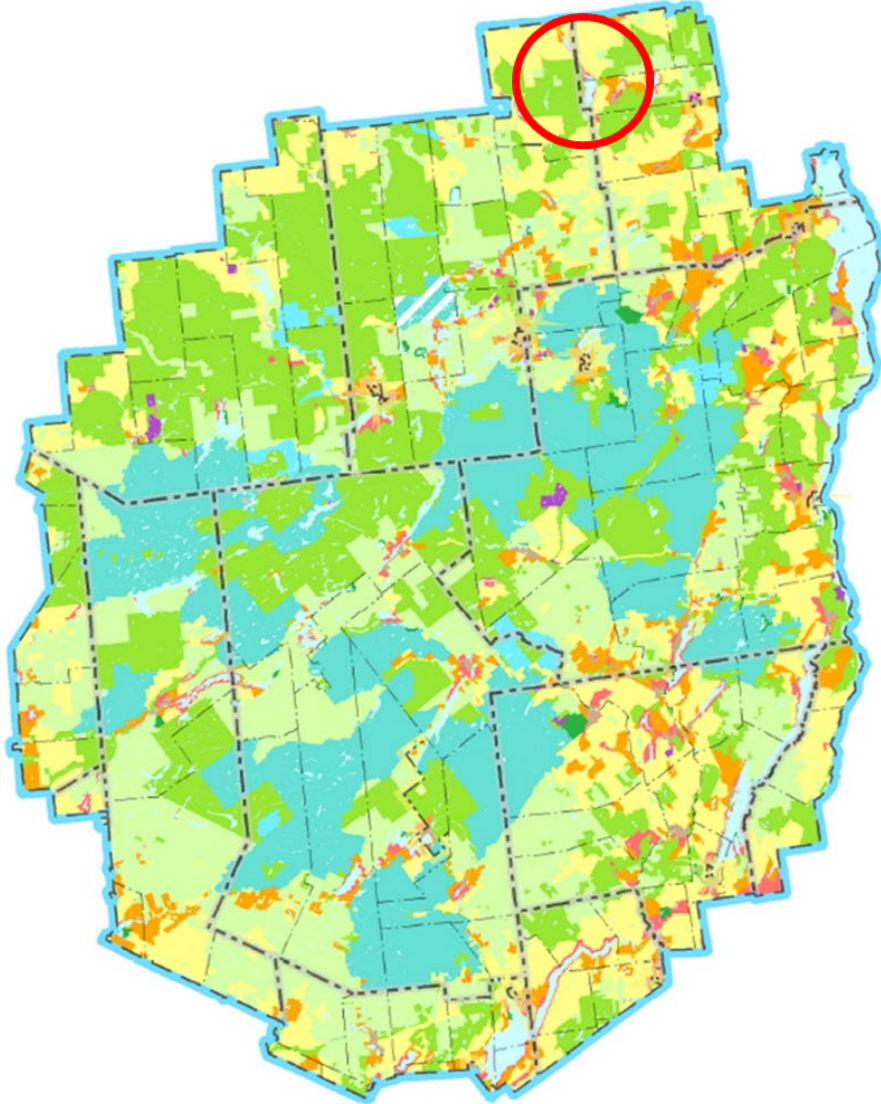
Conclusions of Law

- a. that the project authorized as conditioned herein will be consistent with the Adirondack Park land use and development plan; and
- b. that the project authorized as conditioned herein will not have an undue adverse impact upon the natural, scenic, aesthetic, ecological, wildlife, historic, recreational or open space resources of the Park, taking into account the economic and social or other benefits to be derived from the activity; and
- c. the economic, social and other benefits to be derived from the activity proposed and as conditioned herein compel a departure from the guidelines of 9 NYCRR Part 578.10(a)(1), in order to secure the natural benefits of wetlands associated with the project, consistent with the general welfare and beneficial economic, social, and agricultural development of the state

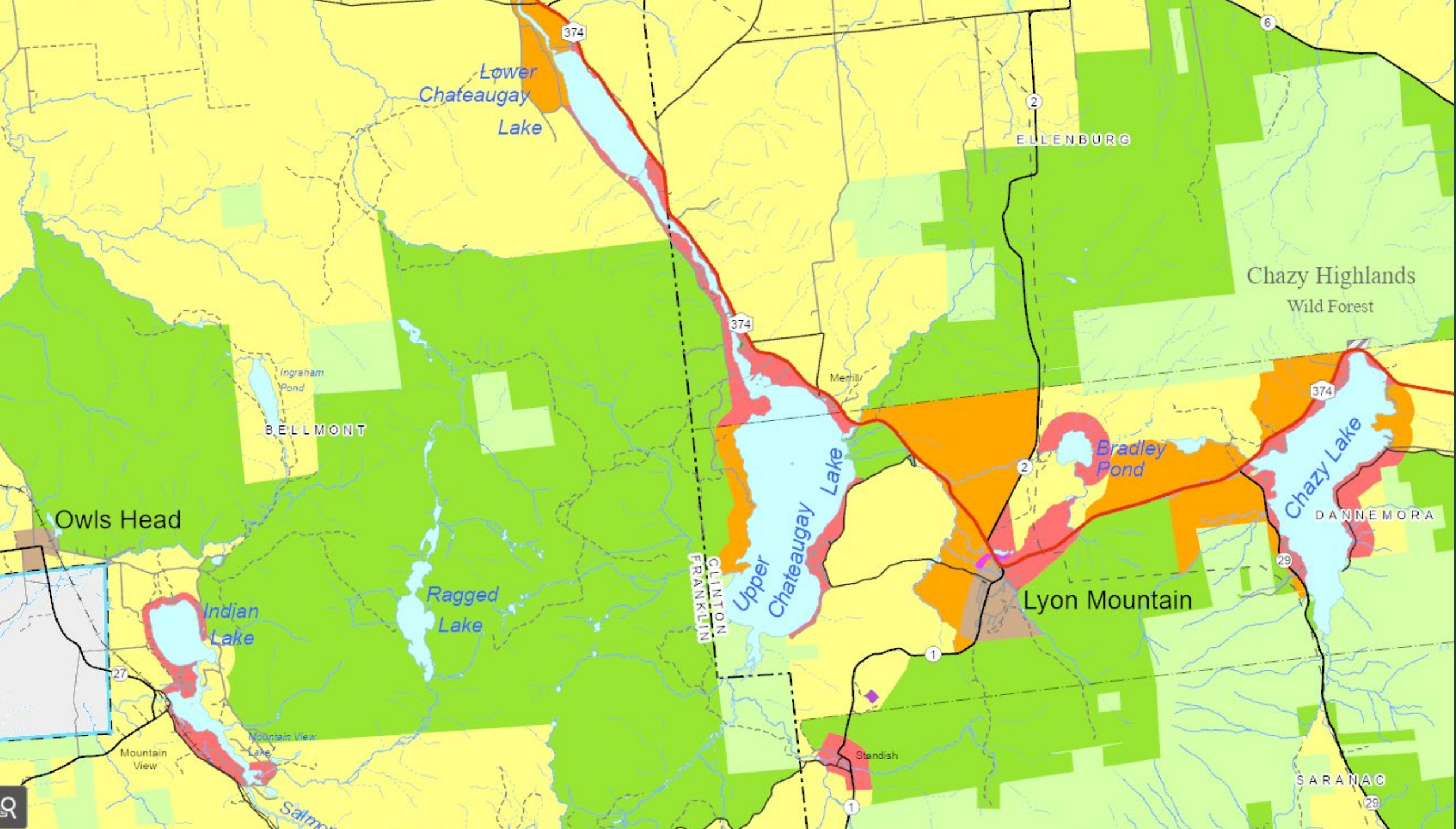


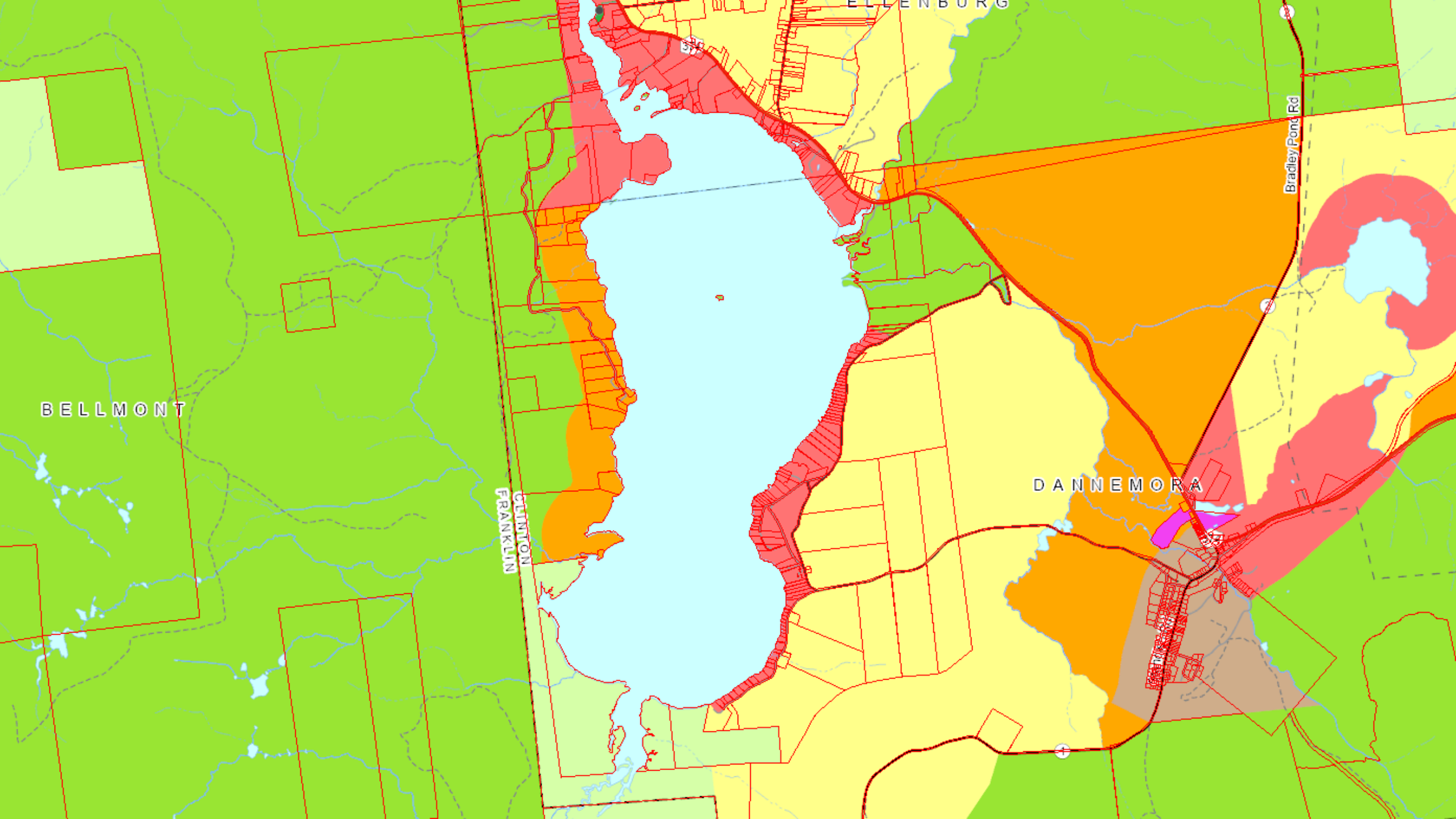
Project Location

Project Location



Towns of Ellenburg
and Dannemora,
Clinton County



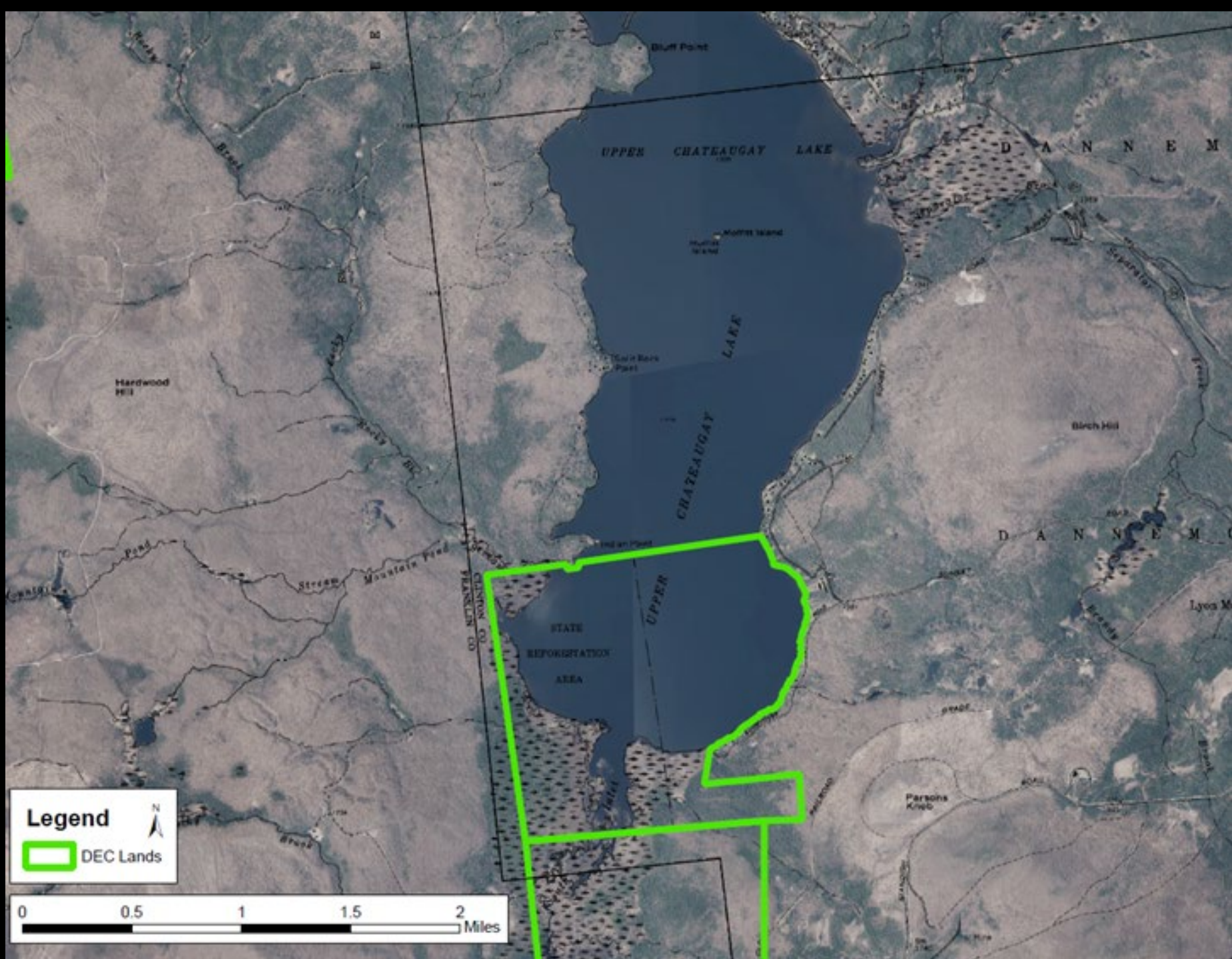


BELLMONT

CLINTON
FRANKLIN

DANNEMORA

Bradley Pond Rd



Watershed

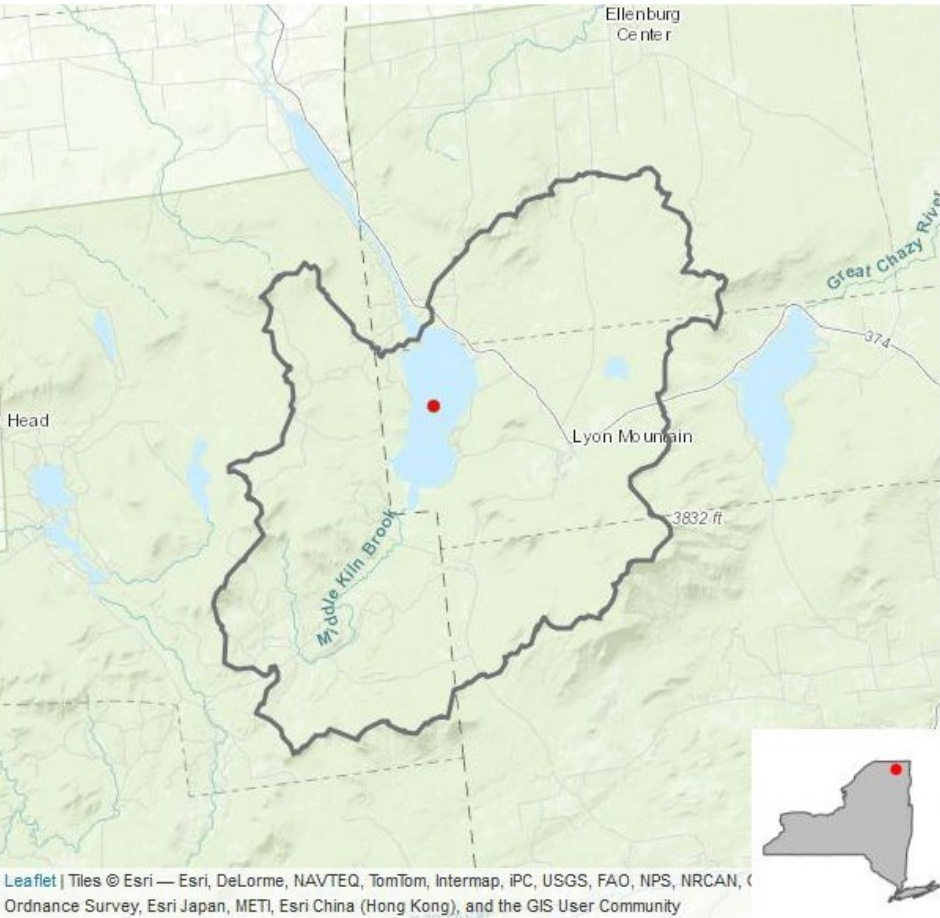
2023

Upper Chateaugay Lake

Town(s) of Dannemora

Clinton County

St. Lawrence River Basin



LAKE CHARACTERISTICS	
Lake Classification	B(T)
Dam Classification	Not available
Public Water Supply	Yes
Lake Size (AC)	2485.1
Maximum Depth (m)	Not available
WATERSHED CHARACTERISTICS	
Watershed Area (AC)	51906
Watershed to Lake Ratio	20
Wetlands %	9
Barren Land %	0
Shrub Scrub %	1
Grassland Herbaceous %	1
Forest %	81
Developed %	3
Agriculture %	0
CSLAP Participation	
Years in CSLAP	1990-1994

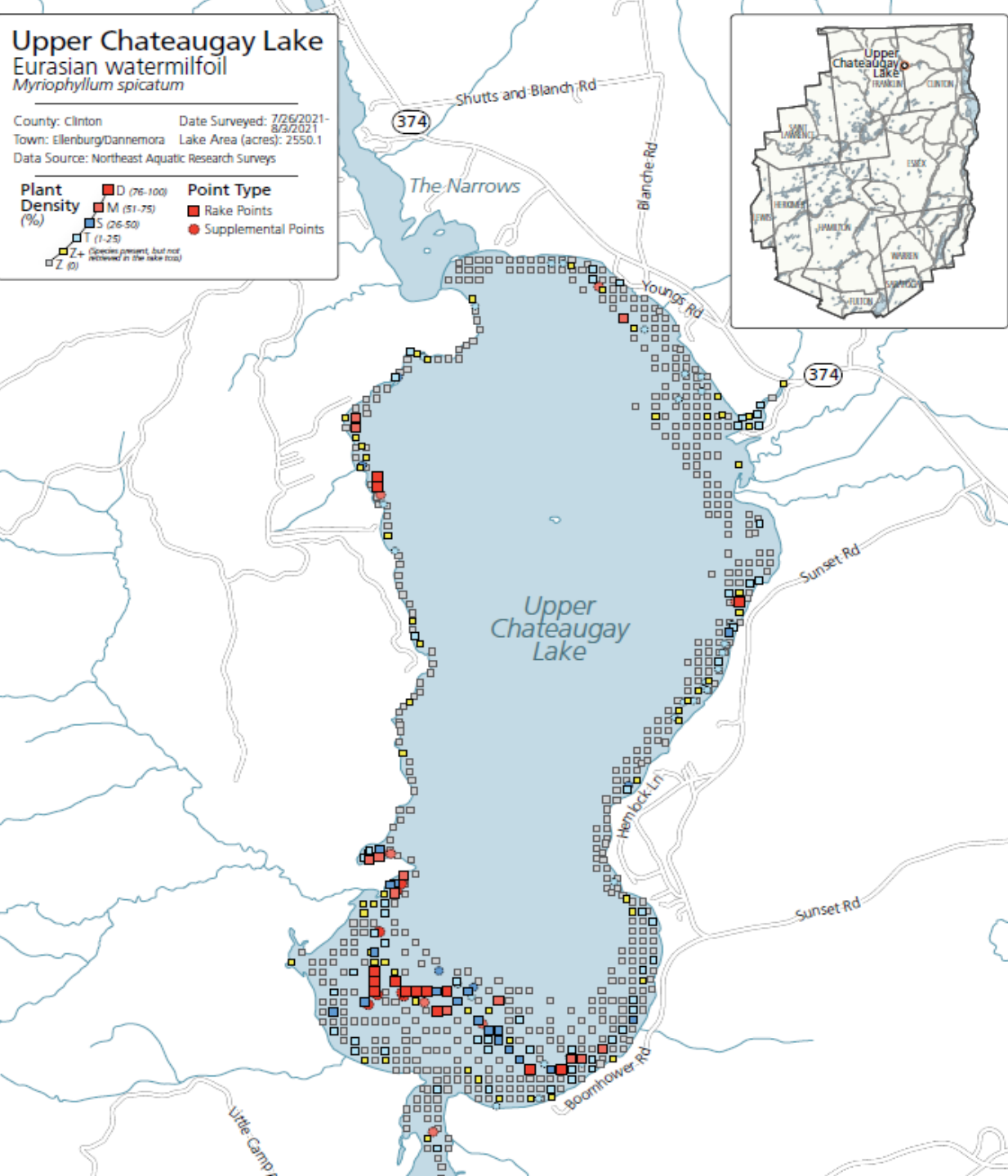


Upper Chateaugay Lake Eurasian watermilfoil *Myriophyllum spicatum*

County: Clinton Date Surveyed: 7/26/2021-8/3/2021
Town: Ellenburg/Dannemora Lake Area (acres): 2550.1
Data Source: Northeast Aquatic Research Surveys

Plant Density (%)
 D (76-100)
 M (51-75)
 S (26-50)
 T (1-25)
 Z+ (Species present, but not observed in the lake this year)
 Z (0)

Point Type
 Rake Points
 Supplemental Points

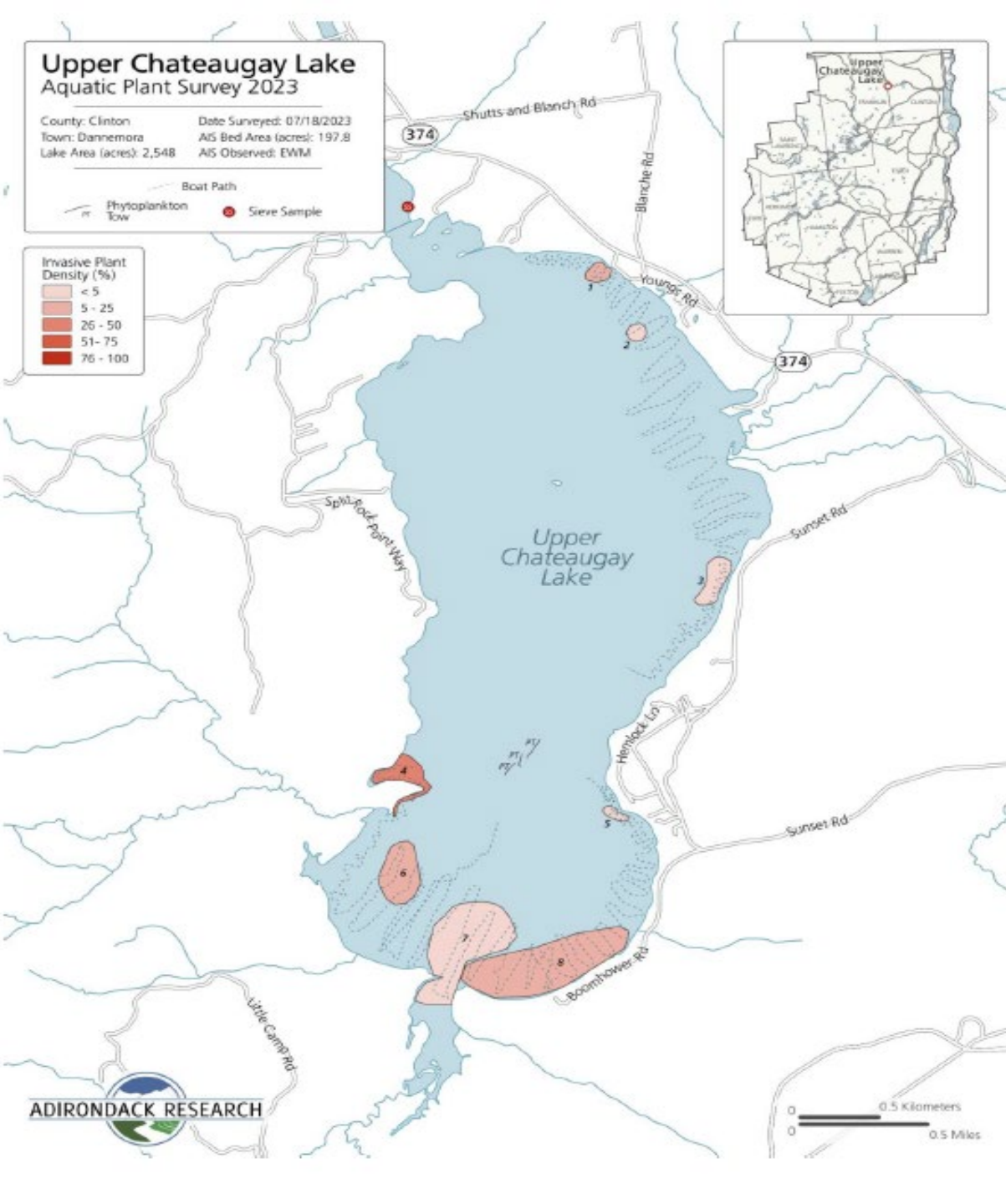


Upper Chateaugay Lake Aquatic Plant Survey 2023

County: Clinton Date Surveyed: 07/18/2023
Town: Dannemora AIS Bed Area (acres): 197.8
Lake Area (acres): 2,548 AIS Observed: EWM

Invasive Plant Density (%)
 < 5
 5 - 25
 26 - 50
 51 - 75
 76 - 100

Boat Path
 Phytoplankton Tow
 Sieve Sample



Upper Chateaugay Lake

Treatment Area D 15 acres

Dilution Area 65 acres

Treatment Area B 27.5 acres

Treatment Area H 5.5 acres

Treatment Area W 120 acres

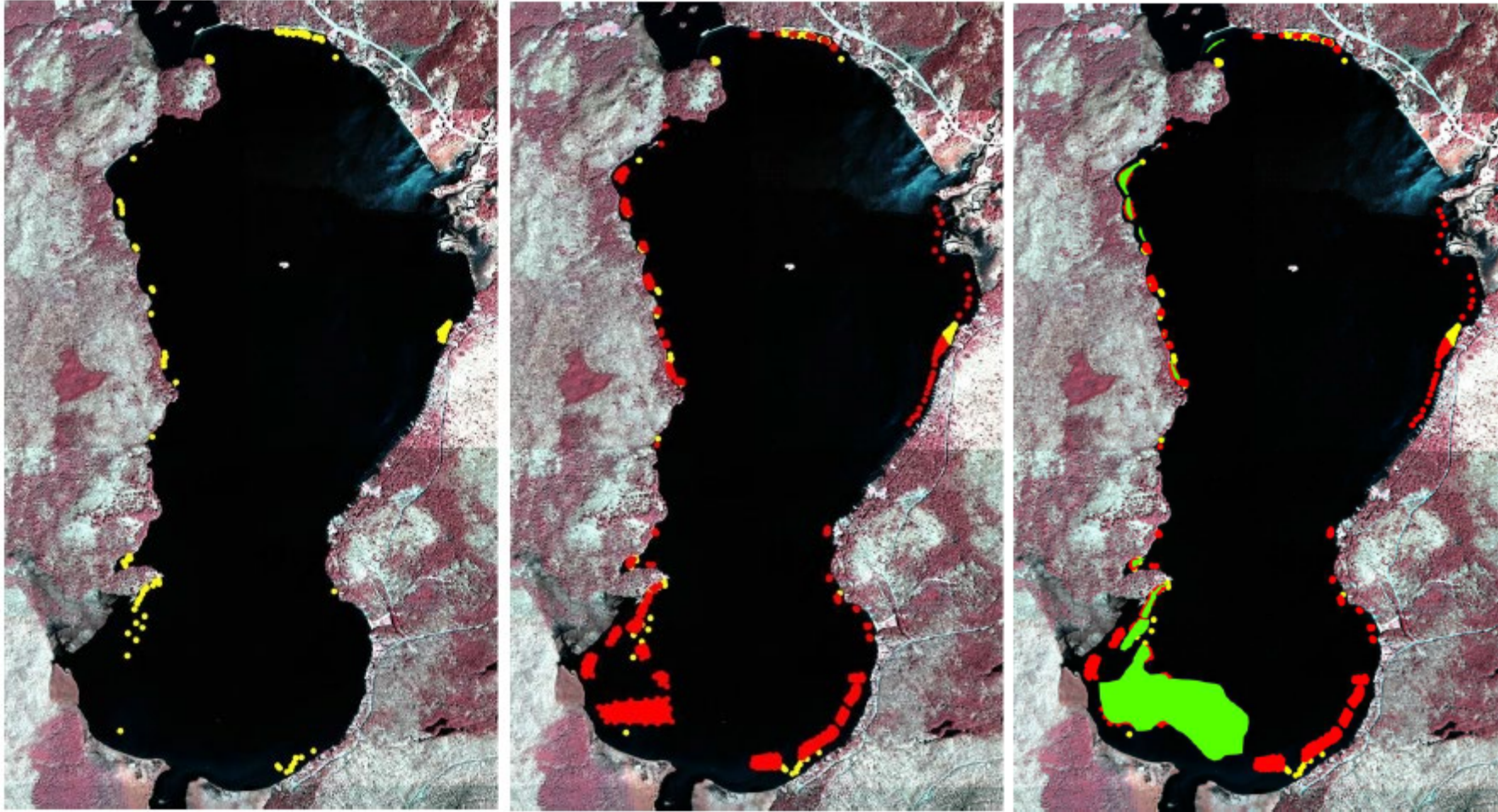
Inlet

Scale: 0 0.5 1 mile



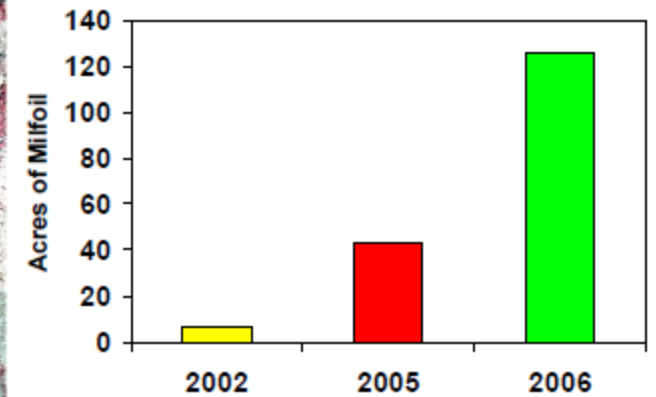
Management History in Chateaugay Lake

Management History



UPPER CHATEAUGAY LAKE

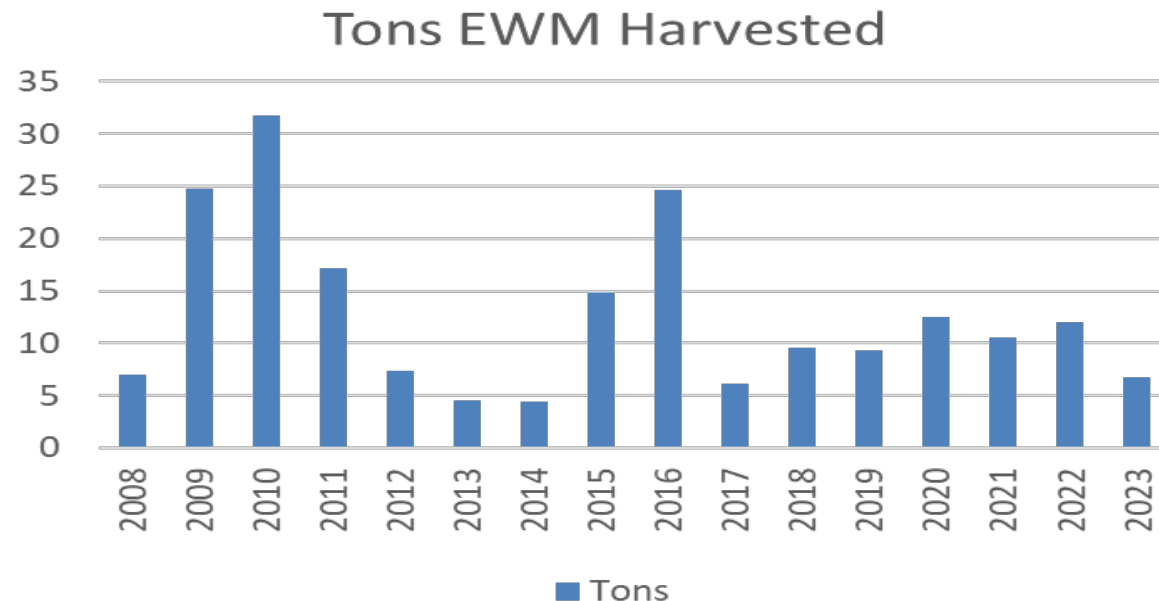
2006 MILFOIL SURVEY



Data Source: Adirondack Watershed Institute

Management History

- 2007: Chateaugay Lake Foundation founded, began raising funds for management
- 2008: Milfoil Management Plan Developed (PSC AWI)
- 2008 – Present → Management
Benthic Mats, Hand Harvesting, DASH (General Permit 2016-101)

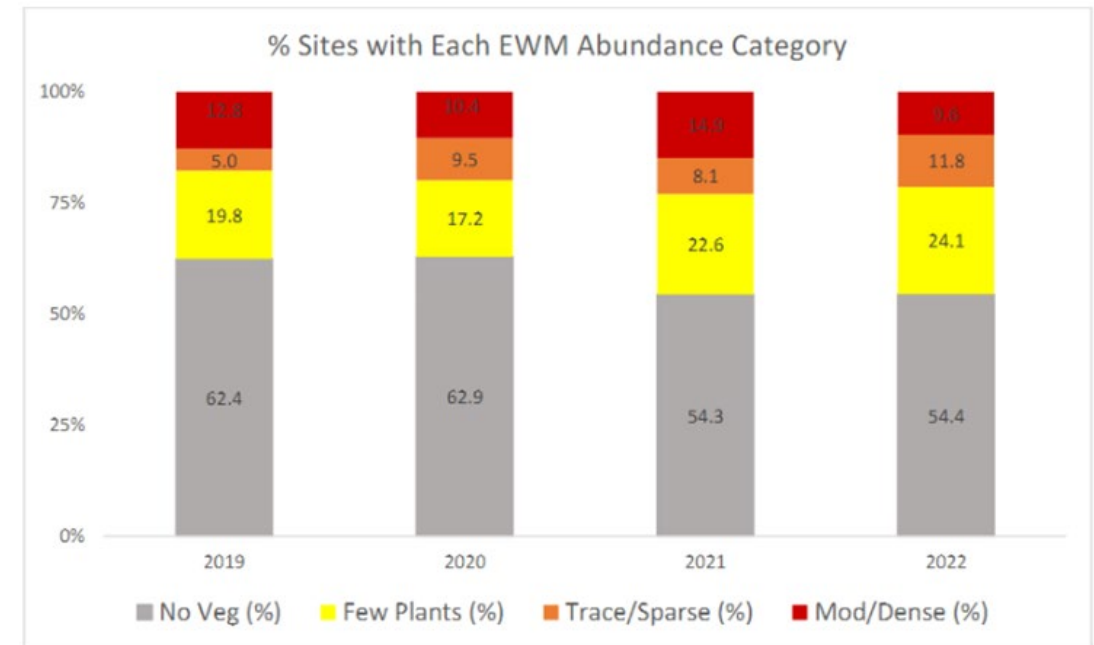
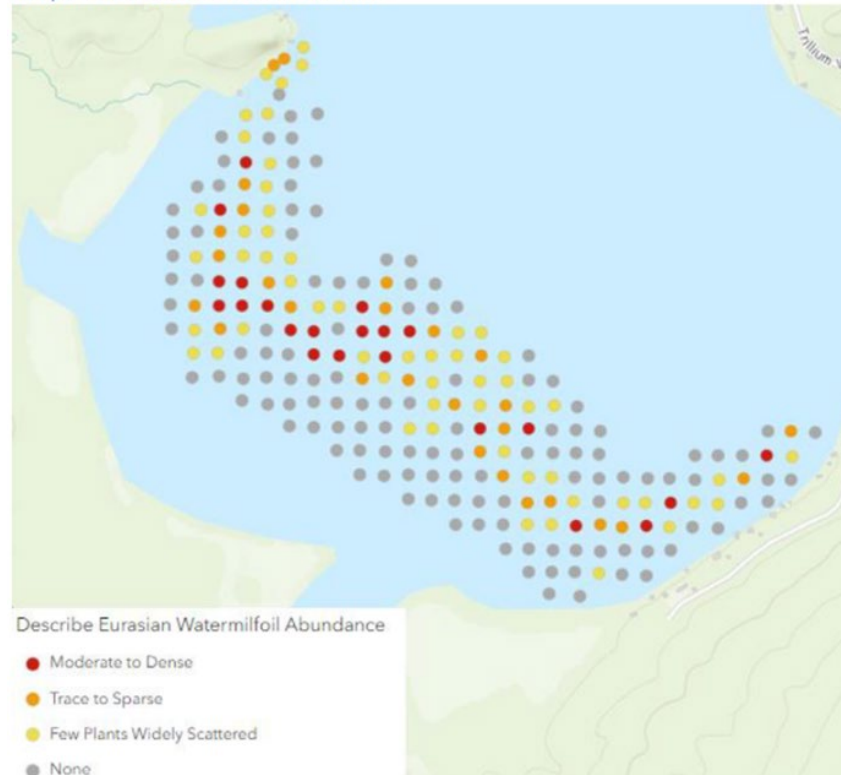


Management History

2019: Joined APIPP's Lake Management Tracker Program

- Volunteer Citizen Science
- Documenting Trends through Standardized Monitoring

Maps from 2022 data collection

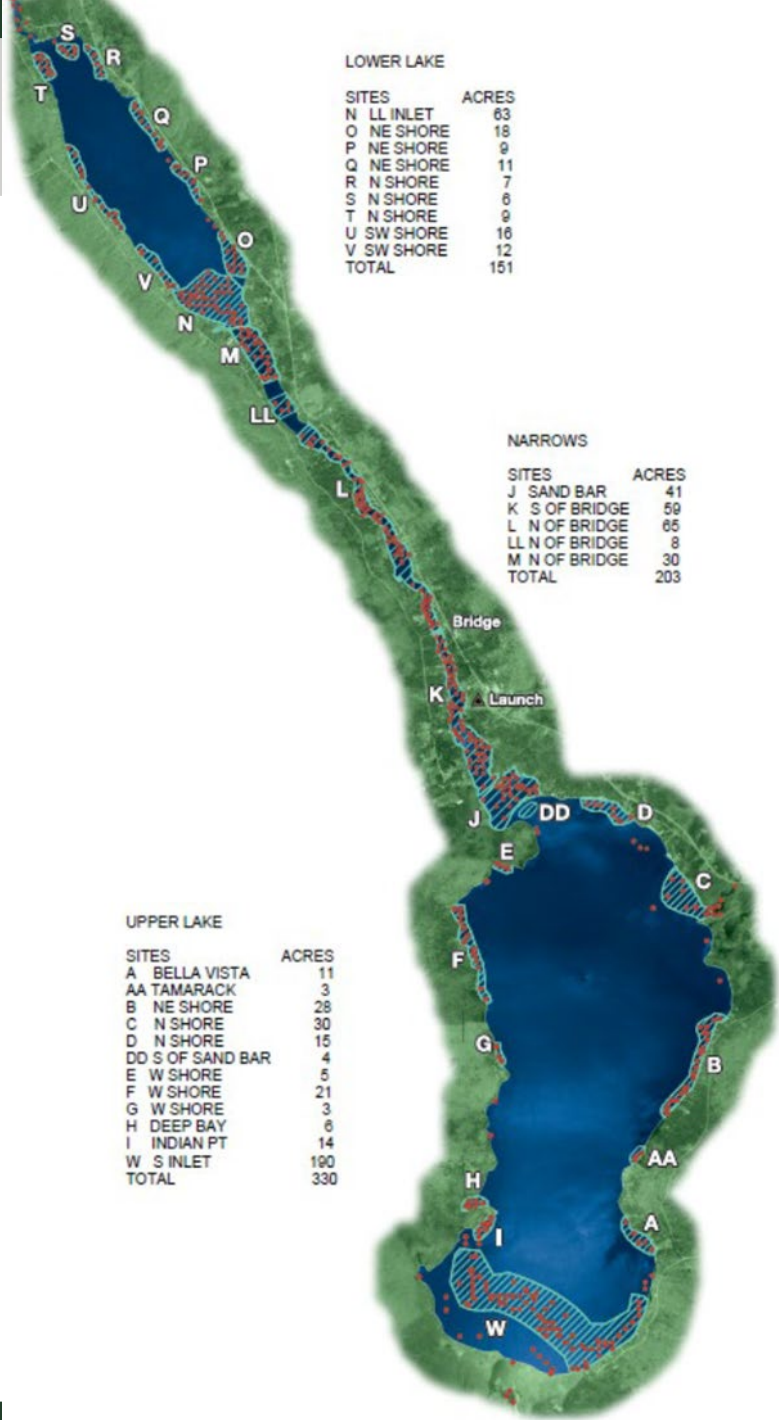


2024 - Adaptive Management Plan

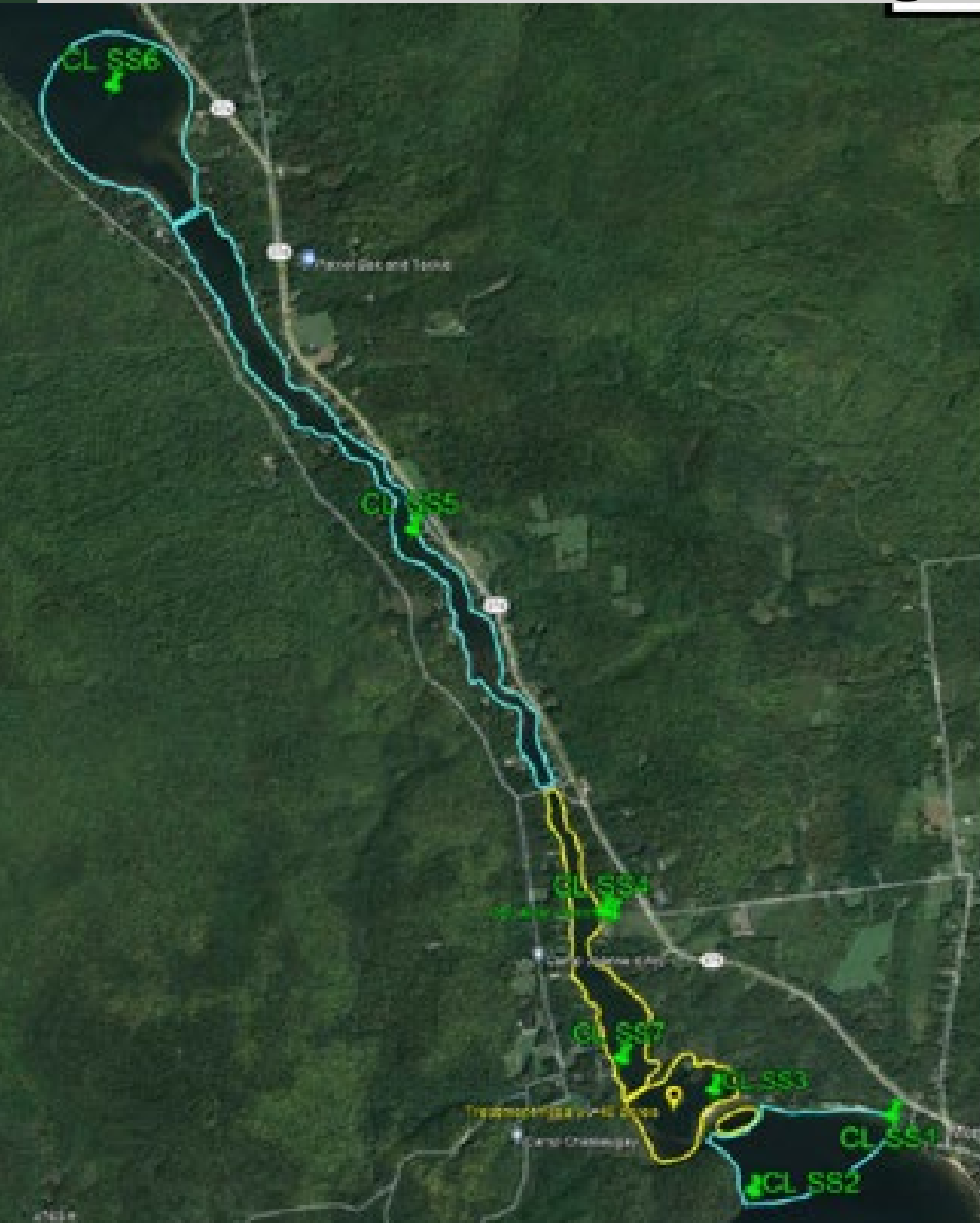
Clear goals, objectives and actions

- Prevention, Monitoring, Management
- 5-Year Management Timeline, adaptable to ongoing monitoring results
- Includes scheduled Hand Harvesting, Chemical Treatments and survey work

Areas	2024	2025	2026	2027	2028
Narrows					
Sandbar (J), South of bridge (K), South of Sandbar (DD)	Chemical treatment with ProcellaCOR (\$69K); Post-treatment survey (\$5K)	Full lake survey (\$12 K)	Lake Management Tracker Hand harvesting (1 week, \$8K) Possible chemical retreatment of boat launch within area K (\$25K)	Lake Management Tracker Hand harvesting (2 week, \$16K)	Action based on 2026/2027 data
North of Bridge (L, LL, M)			Chemical Management (\$25K)	Lake Management Tracker	Lake Management Tracker Hand harvesting (1 wk, \$8K)



P2024-90: Chateaugay Narrows ProcellaCor Treatment



ProcellaCOR EC Residual Sample results-(parts per billion)

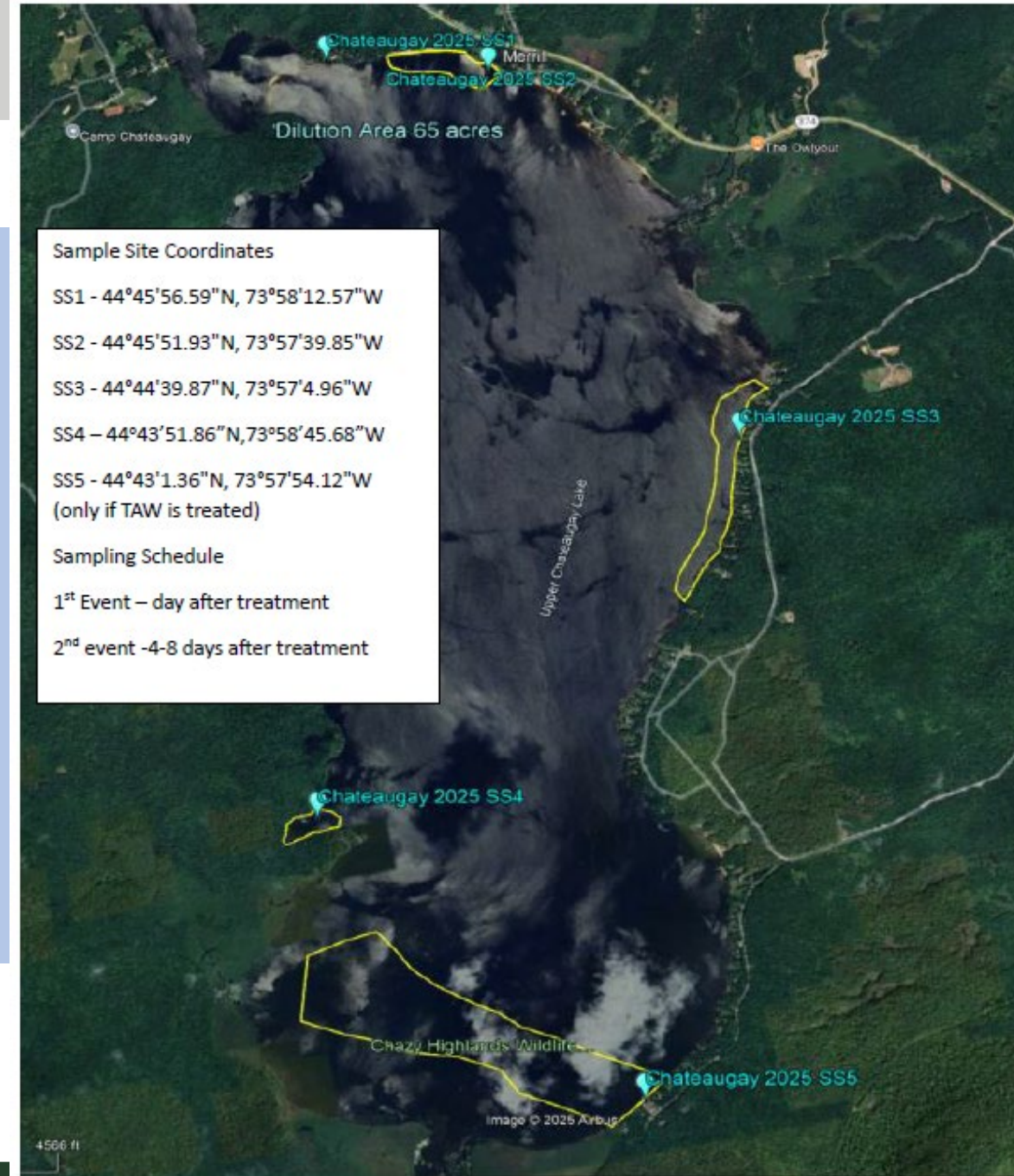
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Proposed Treatment

Treatment

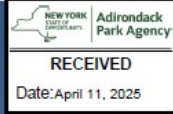
- Treat 168 acres within four treatment areas in Upper Chateaugay Lake with ProcellaCor EC.
- Post Treatment Samples collected until herbicide concentration is below 1 ppb in all samples.
- 1 day after treatment
- 4 – 8 days after treatment

2025 Upper Chateaugay Lake Sampling Sites



Post Treatment

2024 Chateaugay Lake AIS Survey



Aquatic Invasive Species Surveys
Survey Team Report



- Qualitative survey about 6 weeks post-treatment
- Quantitative Plant Survey (August/September)
- Post Treatment Status Report (Due Dec. 1)
 - Survey Results
 - Residual Concentration Monitoring
 - Narrative assessment of lake health and discussion of effects on plant communities
- Record treatment in iMap invasives database

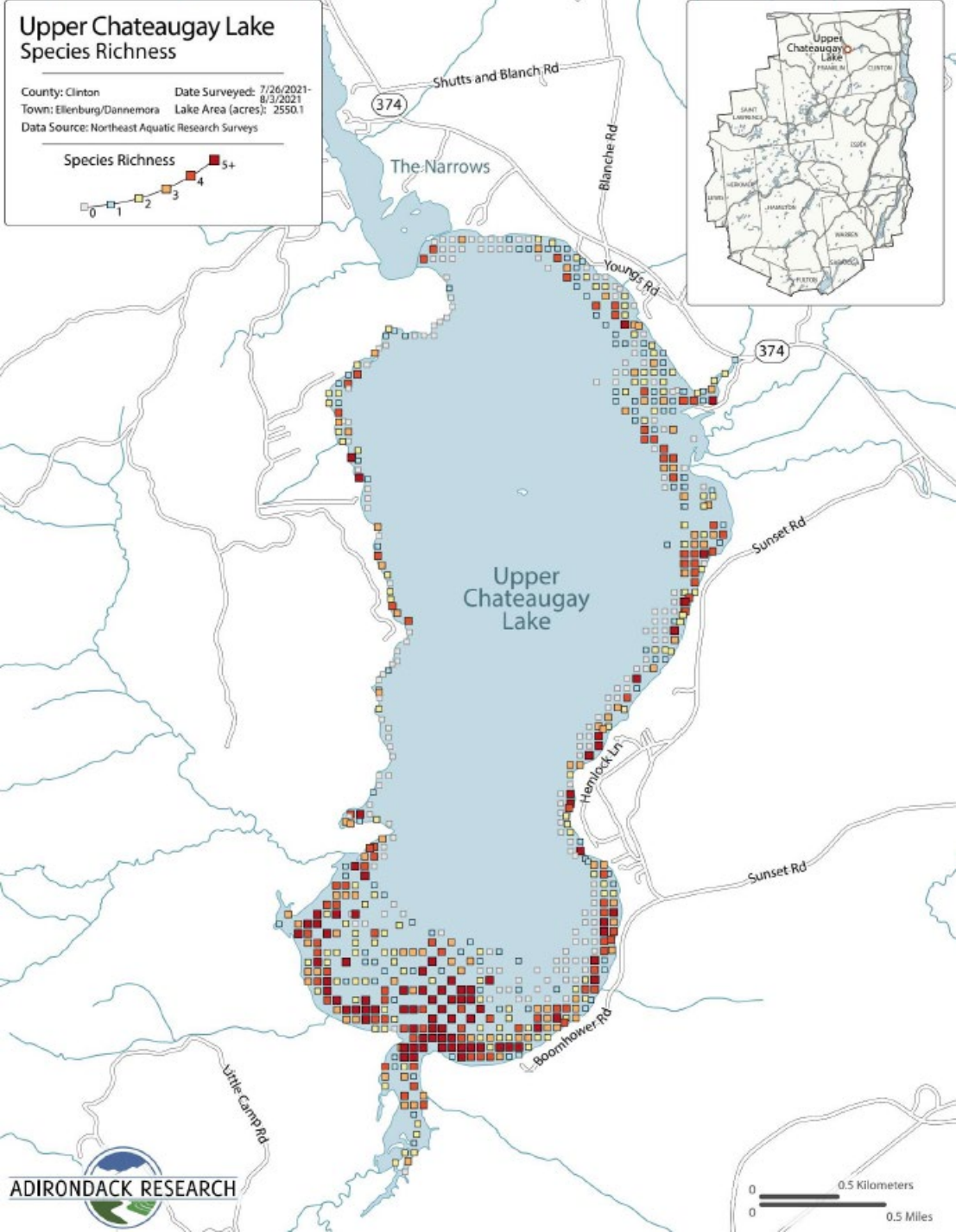
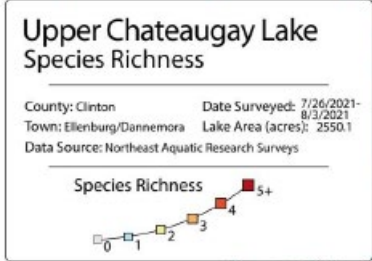
Susceptibility: Native Milfoils

Plant Species	Susceptibility
Low watermilfoil <i>M. humile</i>	High
Northern watermilfoil <i>M. sibiricum</i>	High
Whorled watermilfoil <i>M. verticillatum</i>	High
Slender watermilfoil <i>M. tenellum</i>	High
Alternate flowered milfoil <i>M. alterniflorum</i>	High (Outside Treatment Area)
Farwell's milfoil <i>M. farwellii</i>	High (Outside Treatment Area)



Susceptibility: Other Species

Plant Species	Susceptibility
Watershield <i>Brasenia schreberi</i>	Moderate – High
Coontail <i>Ceterophyllum demersum</i>	Low – Moderate
White waterlily <i>Nymphaea odorata</i>	Moderate
Water stargrass <i>Zosterella dubia</i>	Low – Moderate
All Others (N=44)	Low



Public Comment and Review by Others

Public Notice

- Shoreline owners notified when application was received, also when application was completed
(203 letters x 2 = 406 Notifications)
- Environmental Notice Bulletin: Comment Period Ended June 12
- 90 comment letters received (Representing 96 people/entity)
- Concerns → 2 Letters (1 Entity + 1 Person)
- Supportive → 88 Letters (94 People)

Public Comment

Concerns (2 Letters)

- Not supportive of additional treatments in the same waterbody
- Commends CLF's Milfoil Management program
- Requests adjudicatory hearing
- General disapproval of chemical treatment

Applicant Response to Concerns

Response

- “.... It would not be financially feasible or environmentally responsible to attempt to treat such a large infestation over a period of one – two years as seems to be suggested
- “Nor would it be effective to just treat part of the infestation. This would leave managed areas constantly subject to reinfestation, which is what occurred during the prior 17 years of reliance on hand-harvesting, when resources were not sufficient to hand-harvest all of the infested shoreline...
- “The CLF has concluded that a phased, multi-year integrated management plan that includes chemical treatment as well as non-chemical management (hand-harvesting) is the most promising way to bring the large, established EWM infestation in Chateaugay Lake under control”

Public Comment

Supportive (88 Letters)

- General support
- “Our grandchildren will only use the lakefront if they are sitting on something that floats”
- “Eradicating this invasive is sorely needed to reestablish the fundamental true ecology of this lake system”
- “Control of milfoil from the South Inlet flowing into the Upper Lake is imperative”
- Improvement seen throughout the Narrows. Hope that treatment continues in all affected areas

Review by Others

- NYS Department of Environmental Conservation
 - Bureau of Pesticides Application Approved April 2025
 - Division of Lands and Forests Temporary Revokable Permit Pending

Draft Permit Conditions

- Undertake project as proposed
- Adherence to Clean Drain Dry Standards for all equipment used
- Post-treatment concentration monitoring report
- Post treatment aquatic plant survey
- Submit treatment map to iMap Invasives Network

Conclusions of Law

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Park Agency**