

11.19.20

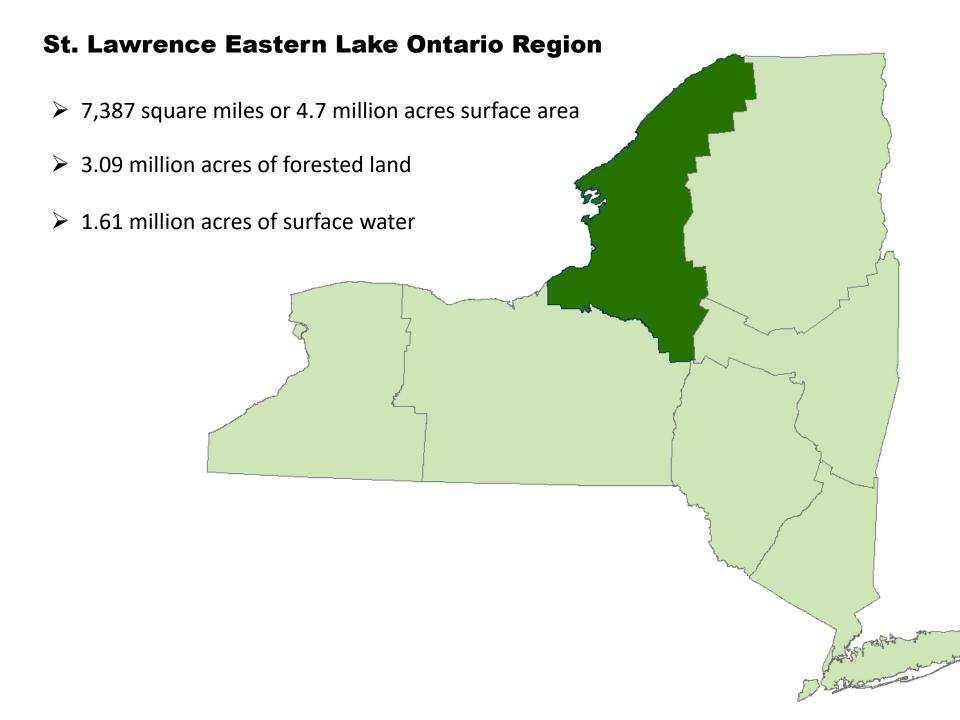
What We're Protecting



Chat-box Icebreaker:
Name
Affiliation
Favorite place to visit in the Eastern Lake Ontario
Region

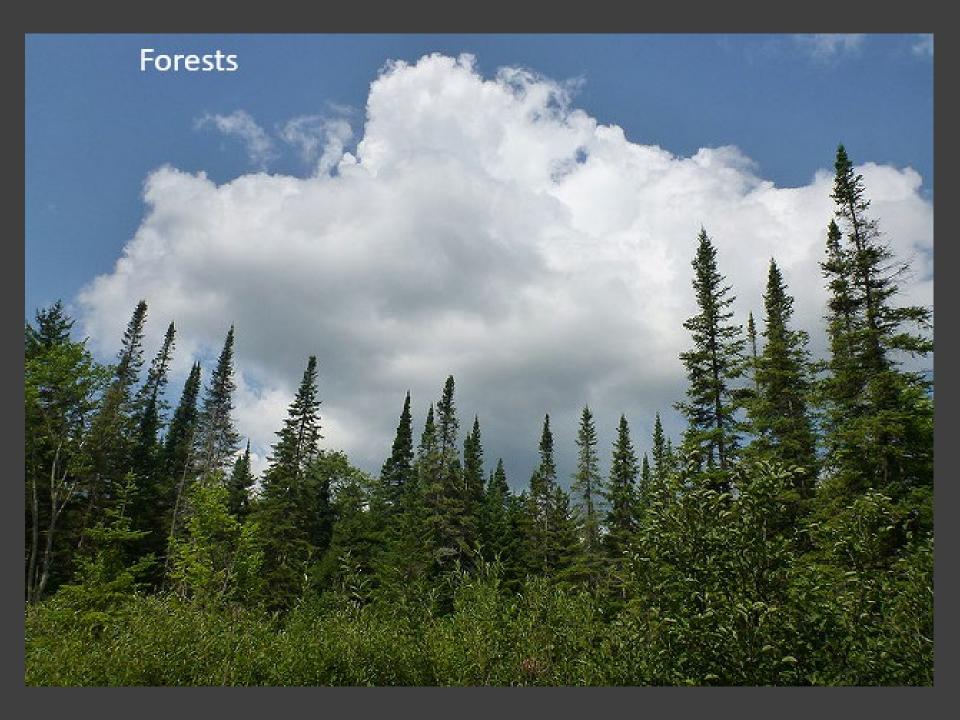
Protecting our lands and waters from the impacts of invasive species

















Protecting our lands and waters

Through Connected Landscapes

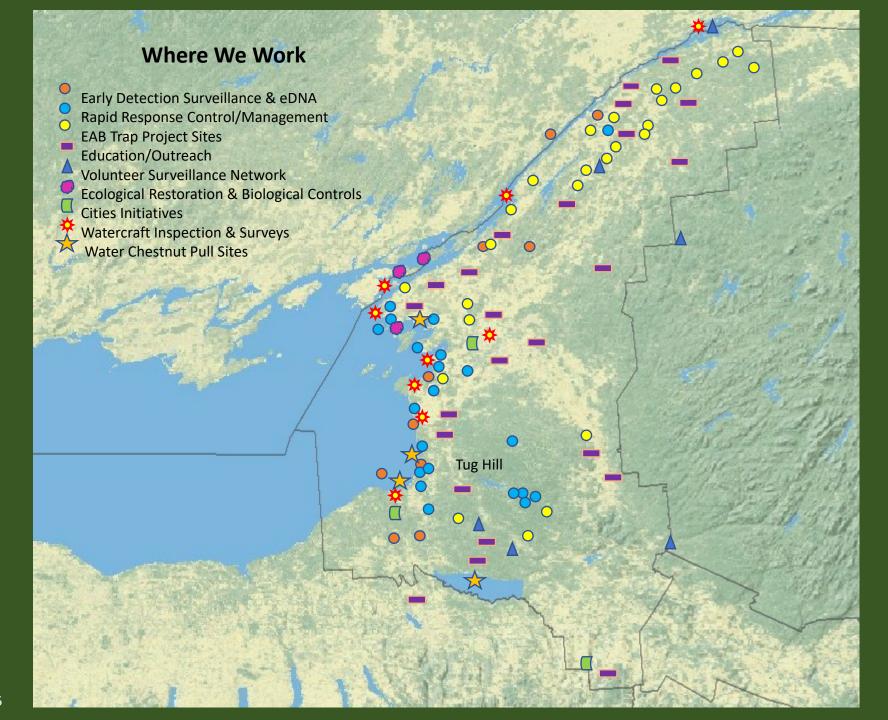




Protecting 24 Priority Conservation Areas (PCA's)

In the SLELO region

To Sustain Healthy Lands & Waters







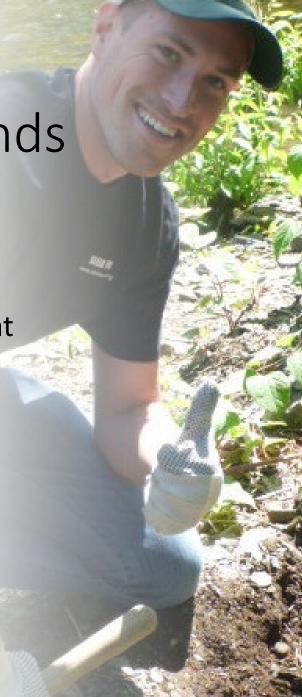




(resilience through native plant diversity)

Invasive species suppression & habitat restoration:

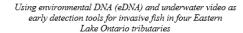
- Salmon River & Estuary
- ➤ Tug Hill
- Chaumont Barrens Alvar
- Carleton Island Grasslands



Innovation I

 Through our SLELO PRISM we have successfully utilized environmental DNA or (eDNA) to detect both native fish and invasive fish in Lake Ontario, the St. Lawrence River and inland waters.





Abstract

By convention, early detection of aquatic invasive species typically relies on visual observation of the species causing harm or the symptoms thereof. Unfortunately, by the time a species is visually observed, the species has likely populated, and the management thereof becomes difficult at best. Genuine early detection means detecting the presence of a species before it has the opportunity to populate and cause irreplaceable harm to the ecosystem of concern. Environmental DNA advances our ability to detect species at their onset.

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Keywords: eDNA, genetic markers, invasive species, early detection







Education & Outreach

Engaged with hundreds of education and outreach events across a five-county region directly engaging thousands of individuals.







NYNHP

New York Natural Heritage Program nynhp.org

Providing Information and Data to Facilitate Conservation of NY's Biodiversity

Financial Support

Human Resources

Employee Benefits

Training



Conservation Partners

Shared goals

Financial Support
Office Space

Training

Vehicles



G1 - G5

S1 - S5

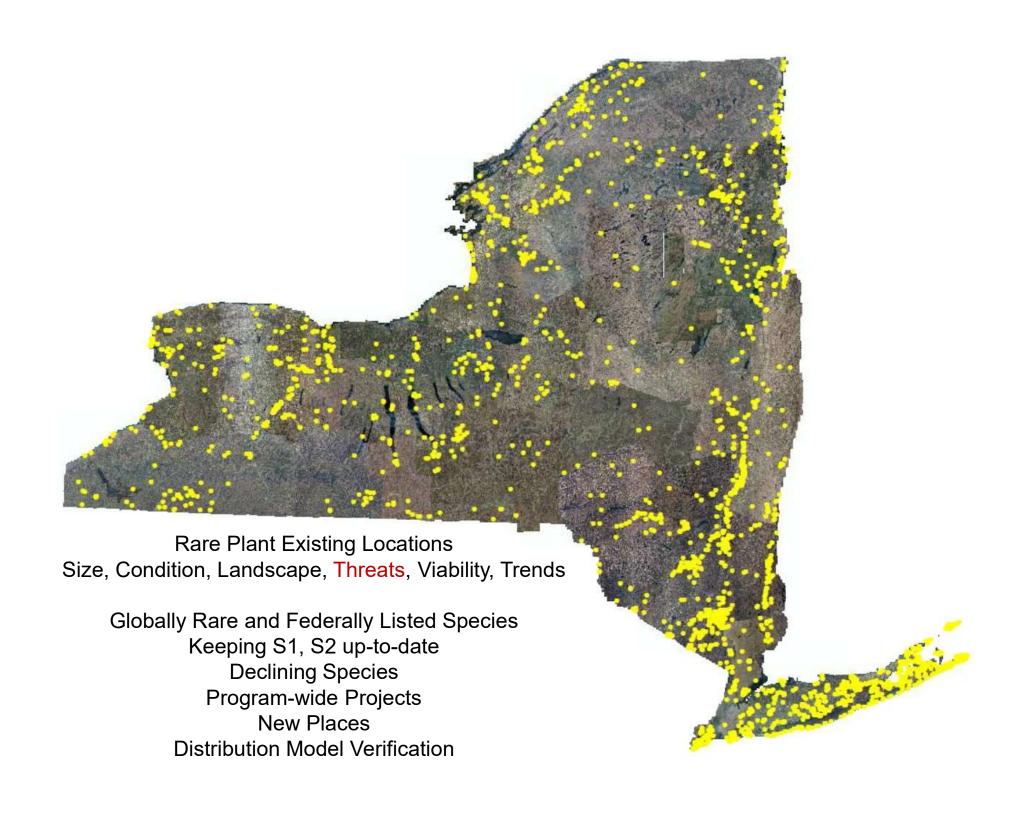


Global Rank

natureserve.org

State Rank
H = Historical <1980

X = Presumed Extirpated













nynhp.org/report-rare

Terms & Rules | Edit Project « Projects



Stats

Totals

Most Observations

Most Species

Most Observed Species

84

Observations »



er1kksen 38 observations





Longleaf Bluets observations



Stats

Totals

364 Observations » **Most Observations**

Most Species

Most Observed Species



Checkered Rattlesnake Plantain 27 observations

98 observations

33 species

New York Rare Plant Status Lists November 2020

Compiled by Stephen M. Young



Indian Paintbrush Castilleja coccinea (L.) Spreng.



Castilleja coccinea Bruce Gillman

Class

Dicotyledoneae (Dicots)

Family

Scrophulariaceae (Figwort Family)

State Protection

Endangered 1

Federal Protection

Not Listed

State Conservation Status Rank

S1 0

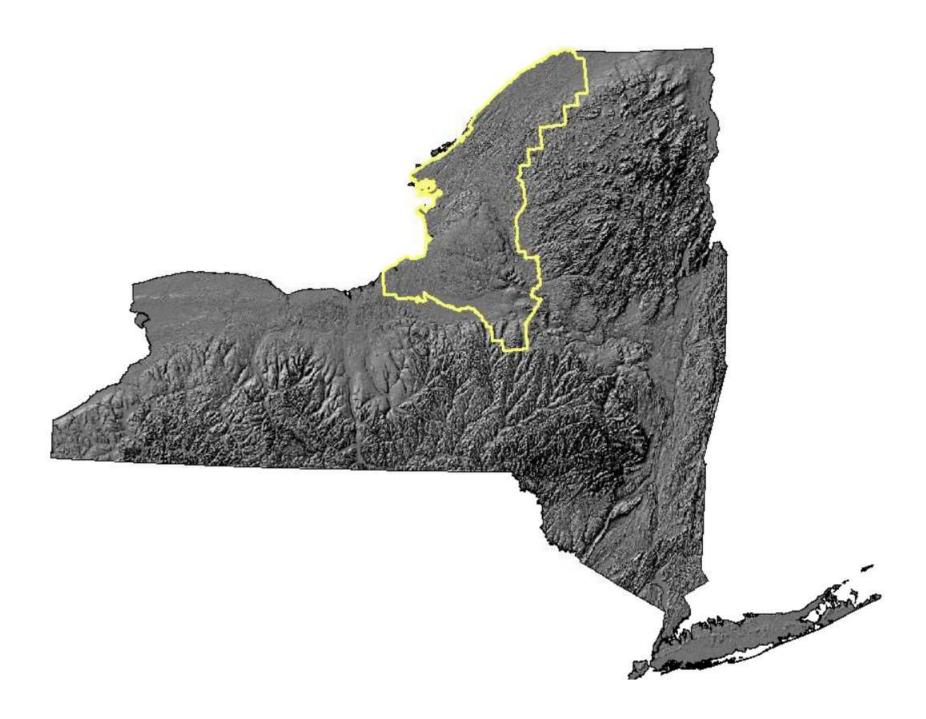
Global Conservation Status Rank

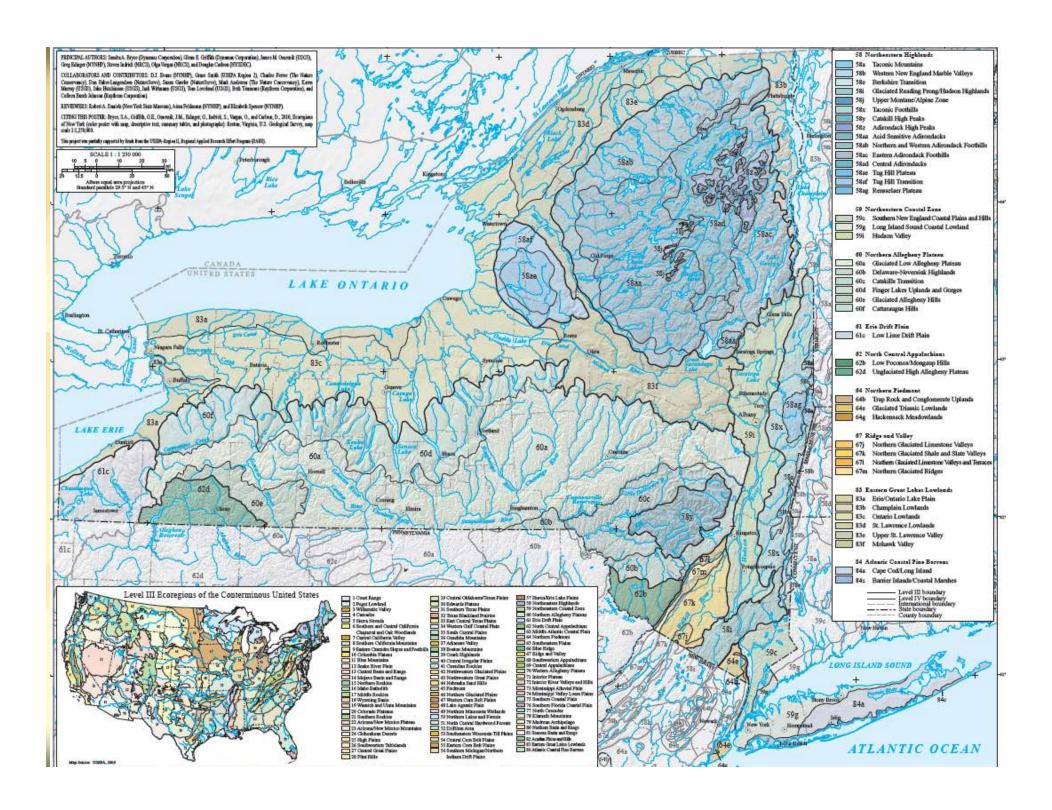
G5 🕕

Contents

- 1. Summary
- 2. Conservation and Management
- 3. Habitat
- 4. Range
- 5. Identification Comments
- 6. Taxonomy
- 7. Additional Resources
- 8. About This Guide

https://guides.nynhp.org/





What is an ecoregion?

A recurring and geographically distinct assemblage of ecological communities associated with similar environmental and physical conditions.

Temperature, Precipitation, Topography, Geology, Soils, Land Use

What are ecological communities?

An ecological community is a variable assemblage of interacting plant and animal populations that share a common environment. **Ecological Communities** of New York State Second Edition A revised and expanded edition of Carol Reschke's

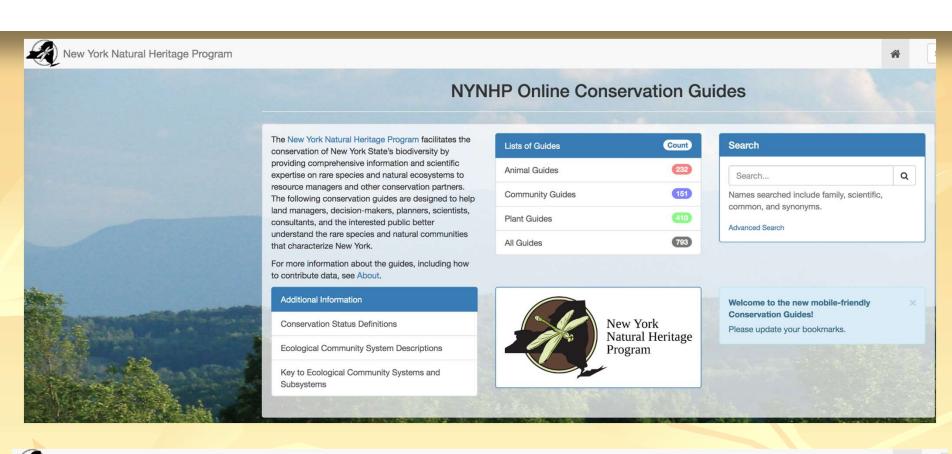
Ecological Communities of New York State

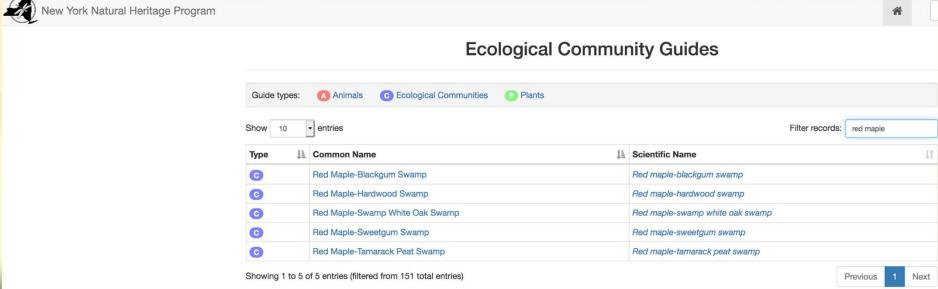
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March 2014







Environmental Topics

Related Topics: Ecosystems Research

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Level III and IV Ecoregions by State

Make selections from the dropdown select box or from the clickable map of Level III and IV Ecoregions by U.S. state. Select a state for access to Level III and IV maps, GIS data, and descriptive information.



Related Links

- Ecoregions Home
- Ecoregions of North America
- Level III & IV Ecoregions of the Continental United States
- Level III & IV Ecoregions by EPA Region
- Level III & IV Ecoregions by State
- Ecoregions Publications

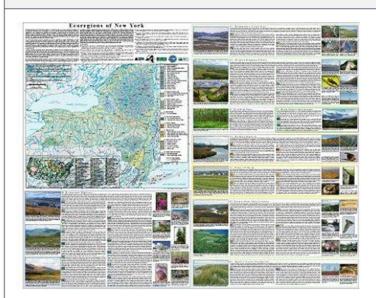
GIS Data (shapefiles, metadata and symbology)

- o New York Level III Shapefile (2.14 mb)
- o New York Level III Metadata and New York Level III Symbology
- O New York Level IV Shapefile (2.08 mb)
- New York Level IV Metadata and New York Level IV Symbology
- o Instructions for applying symbology to ecoregions

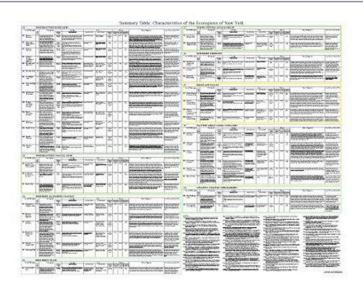
Maps (available in PDF format)

- o Level III and IV Ecoregions of New York-- poster front side 45 X 35" (22 mb)
- o Summary Table: Characteristics of the Ecoregions of New York-- poster back side 46 X 36" (433 kb)

Map Thumbnails

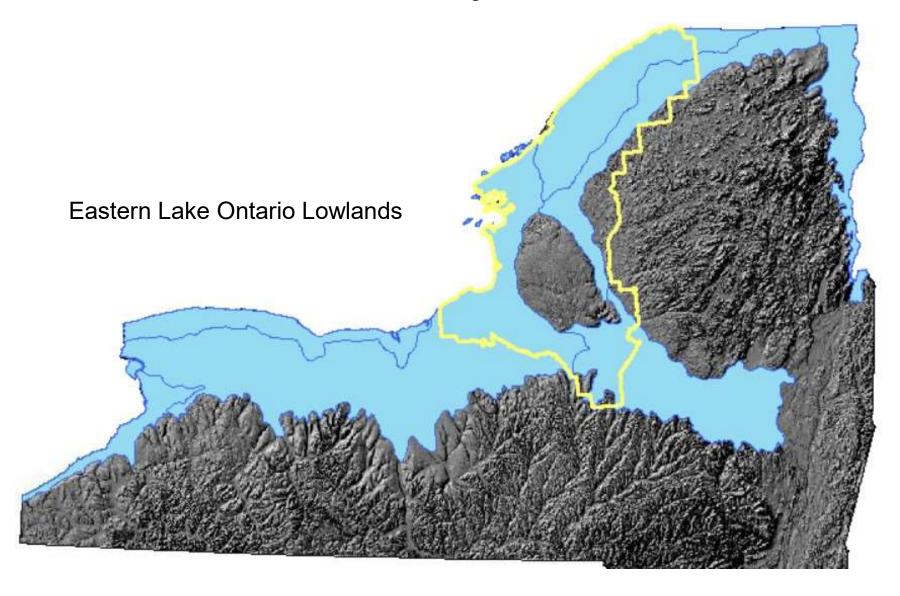


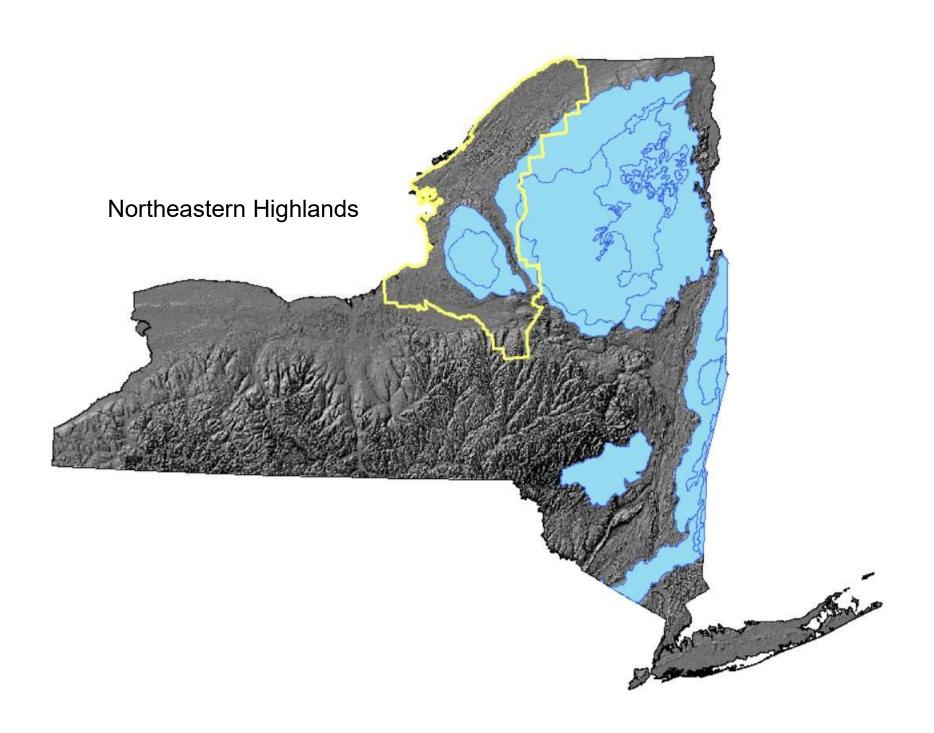
<u>Level III and IV Ecoregions of New York-- poster **front** side 45 X 35" (22 mb)</u>

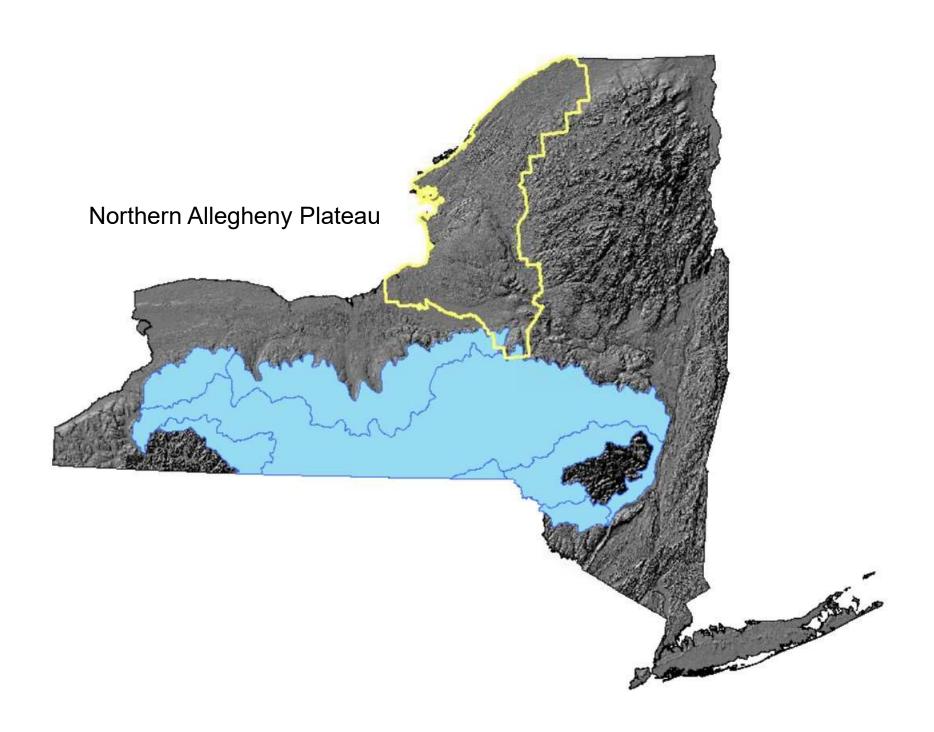


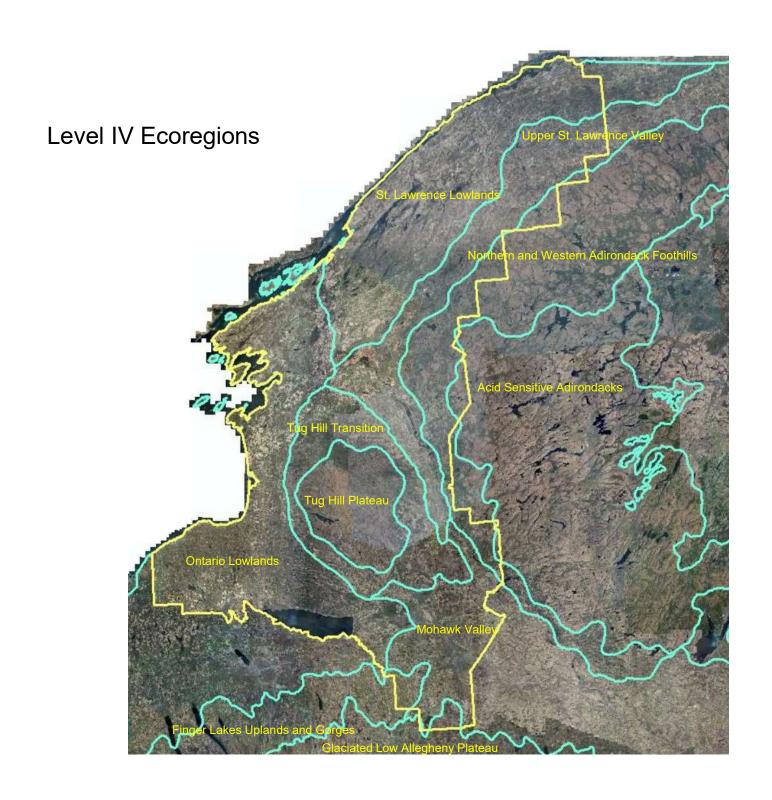
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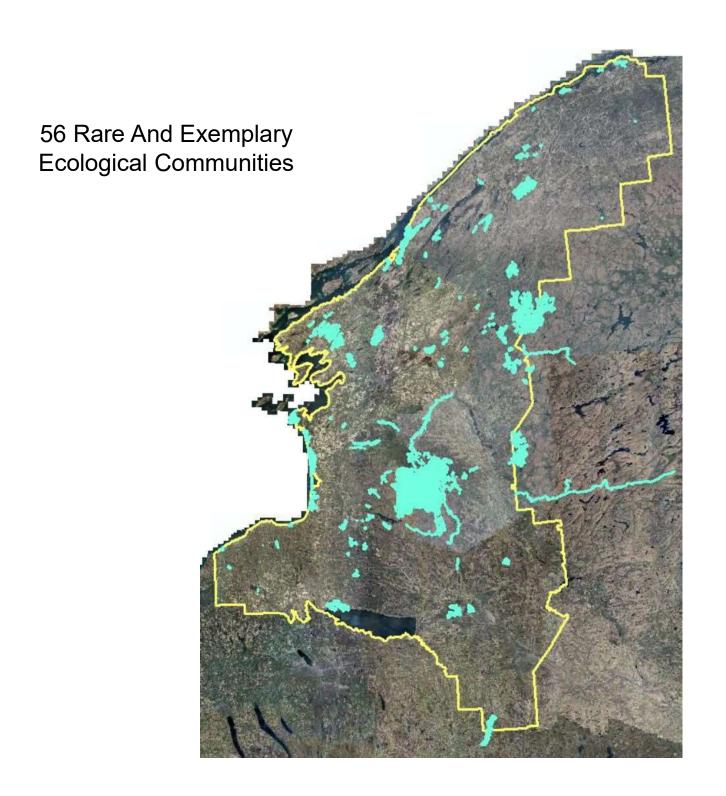
Level III Ecoregions

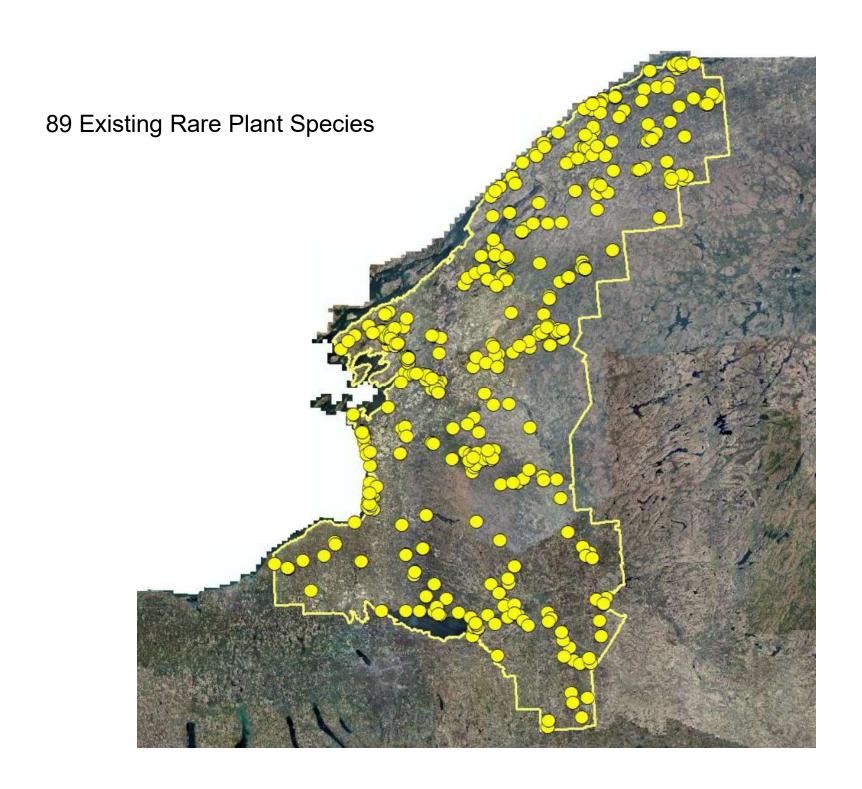


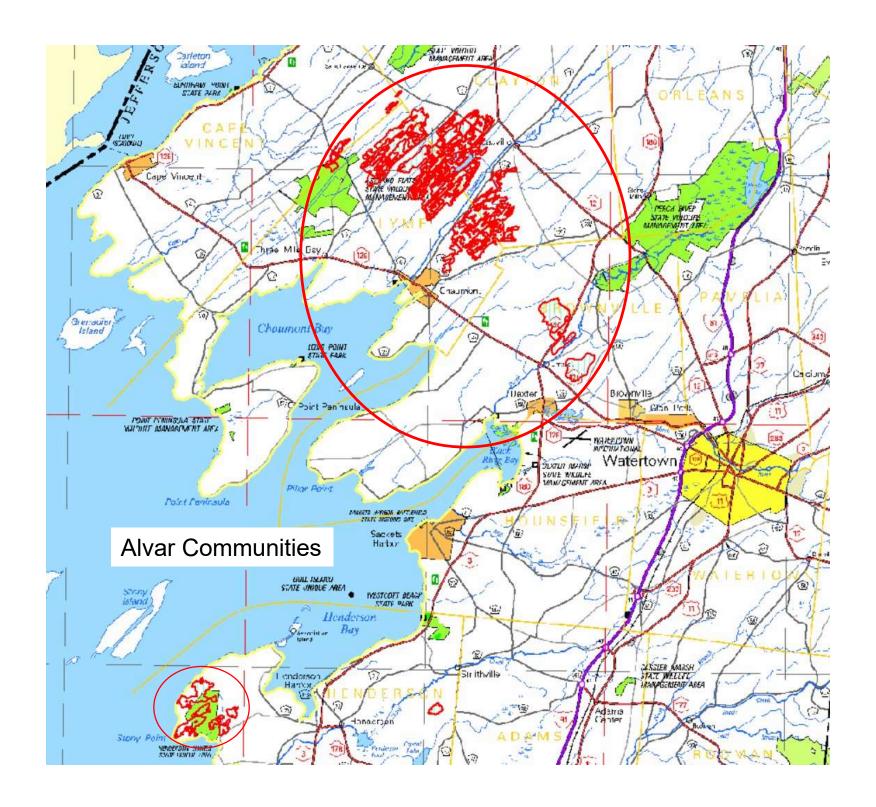


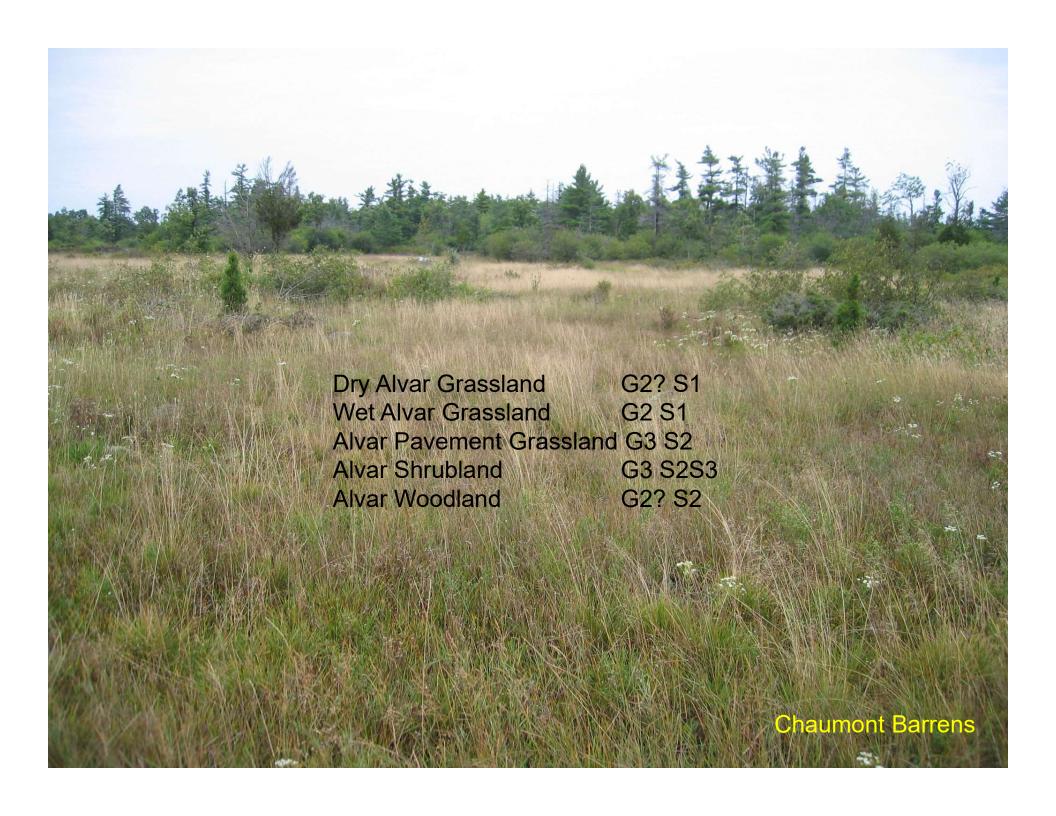


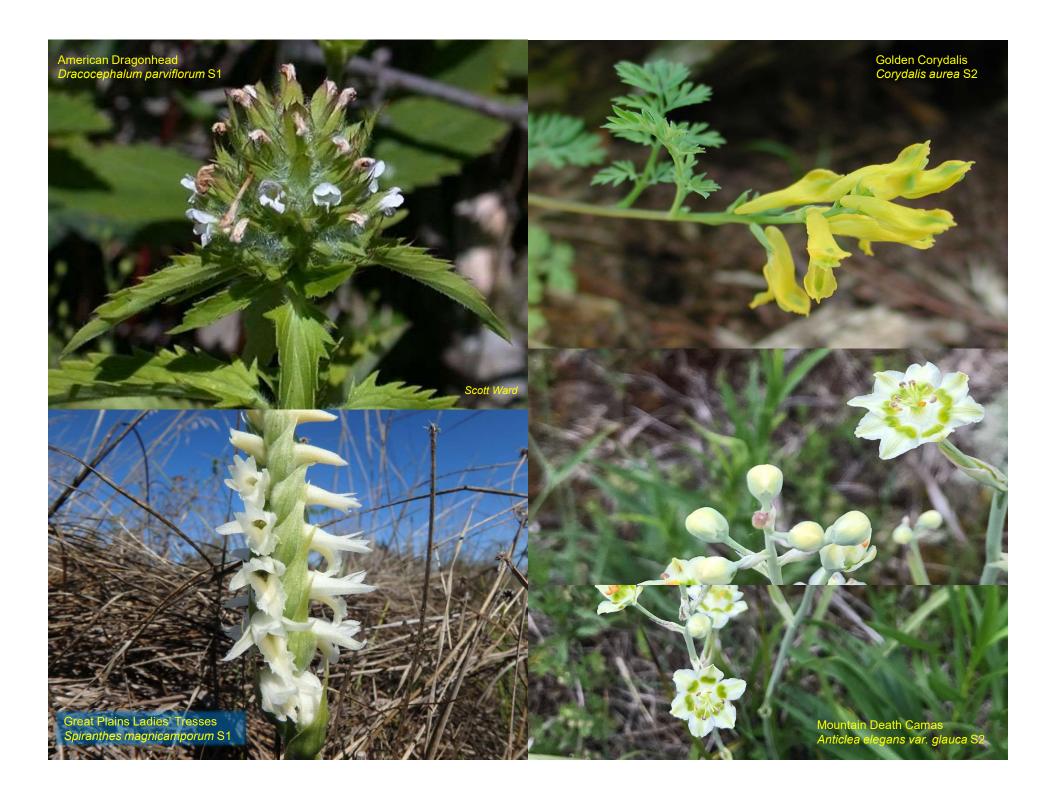


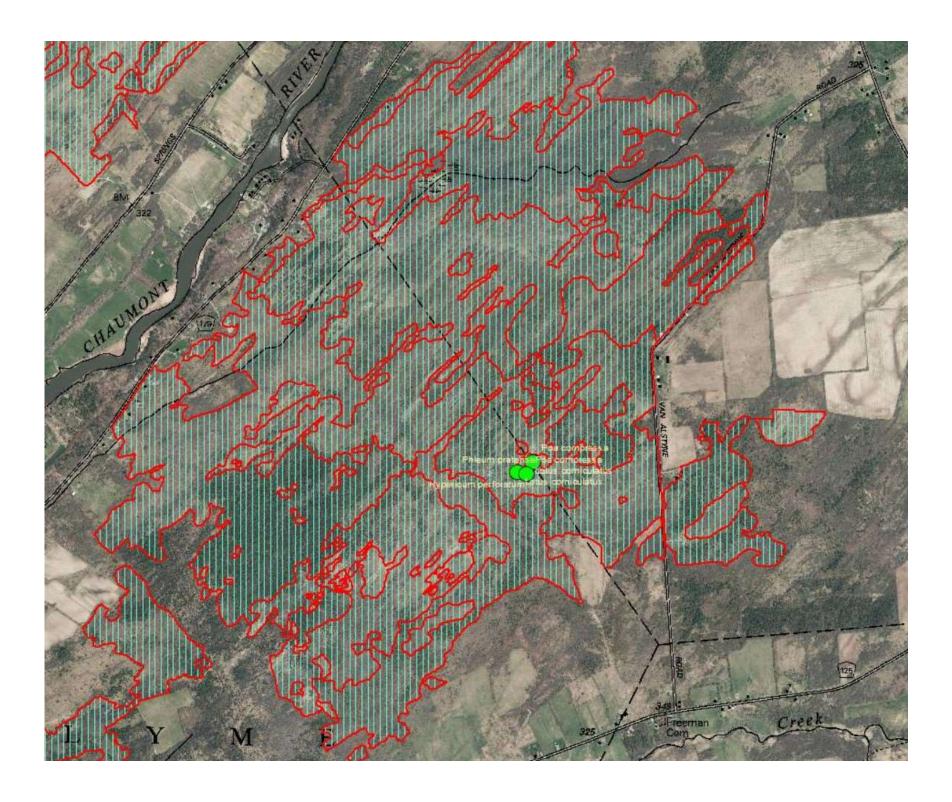


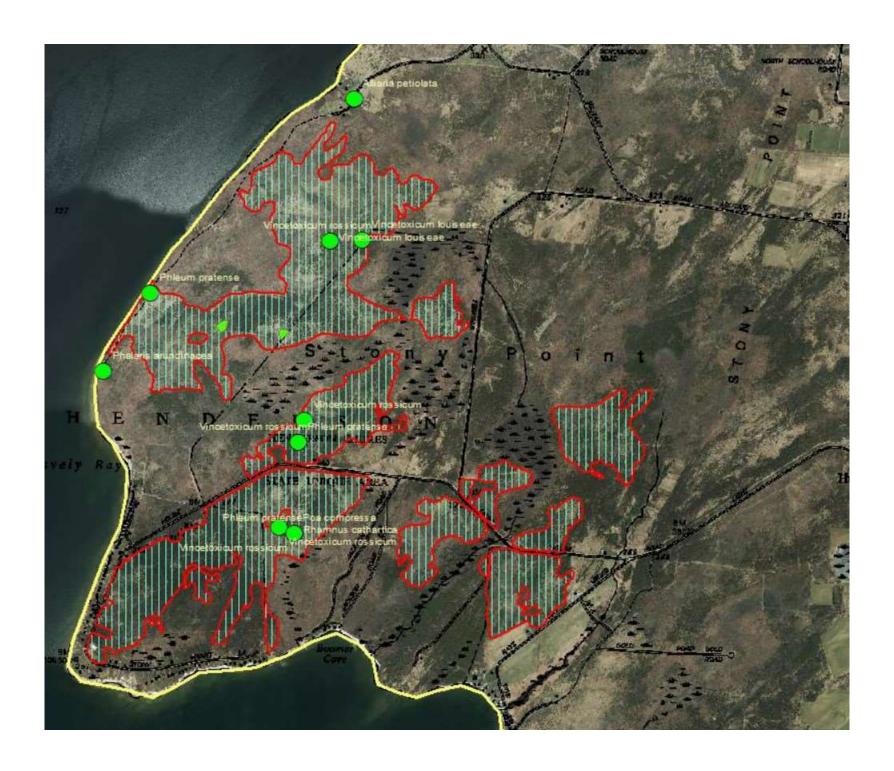








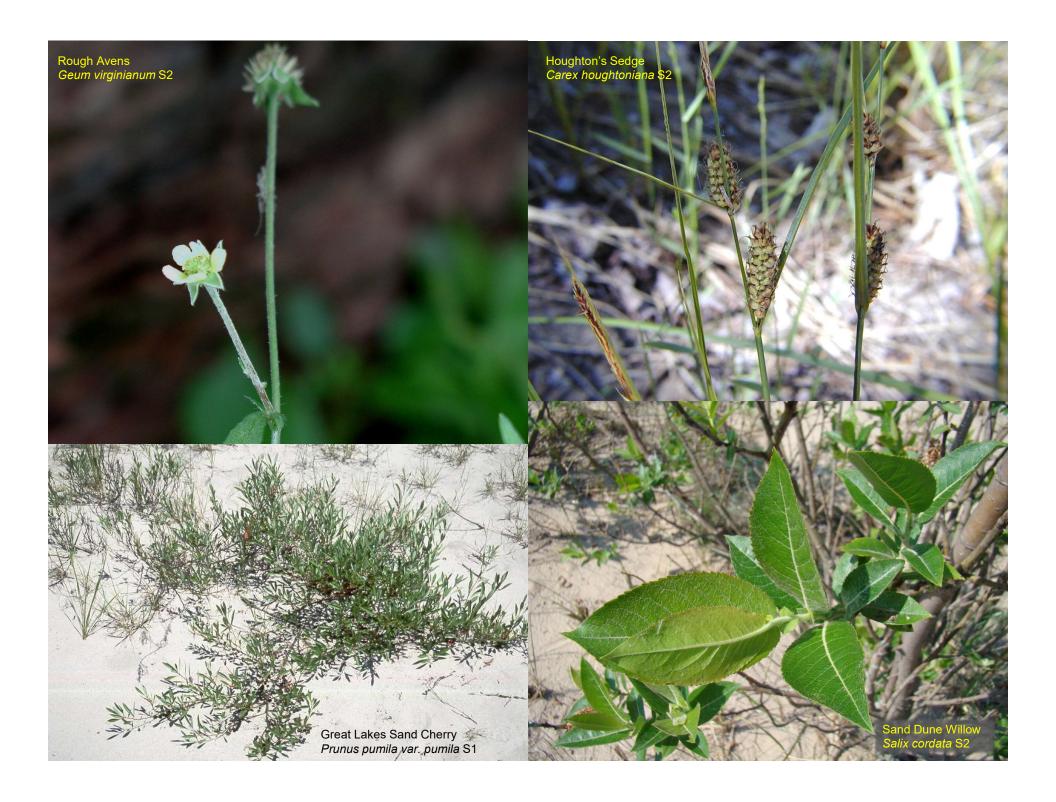






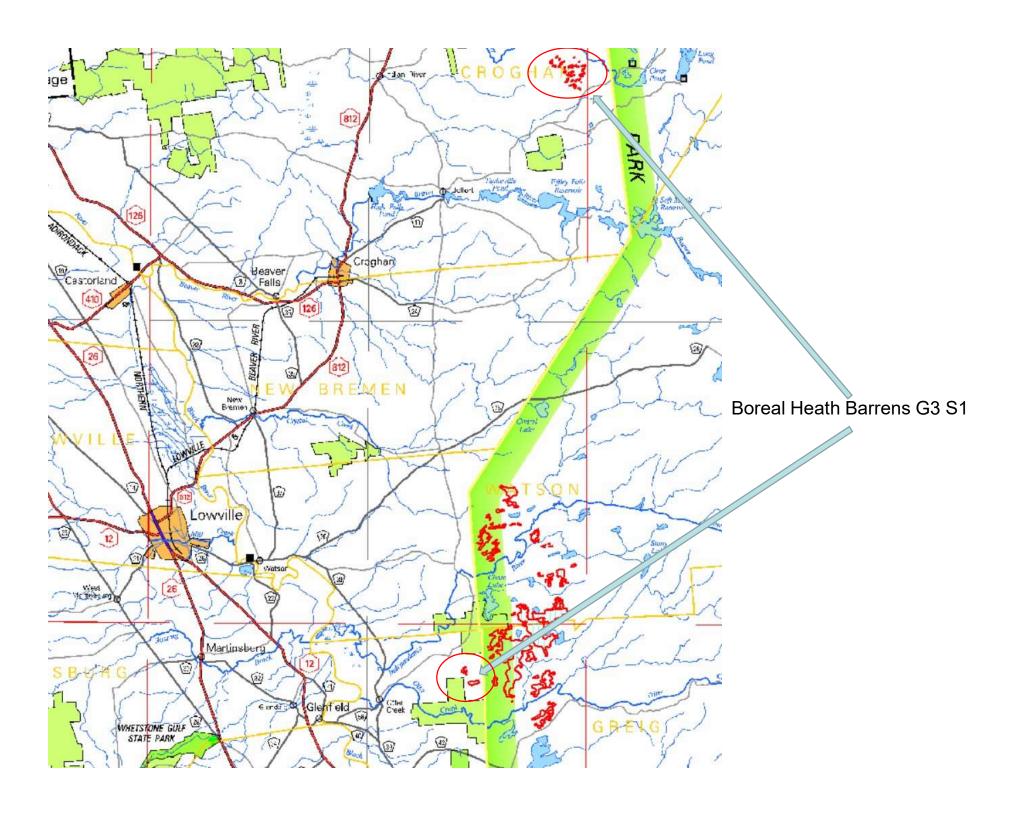






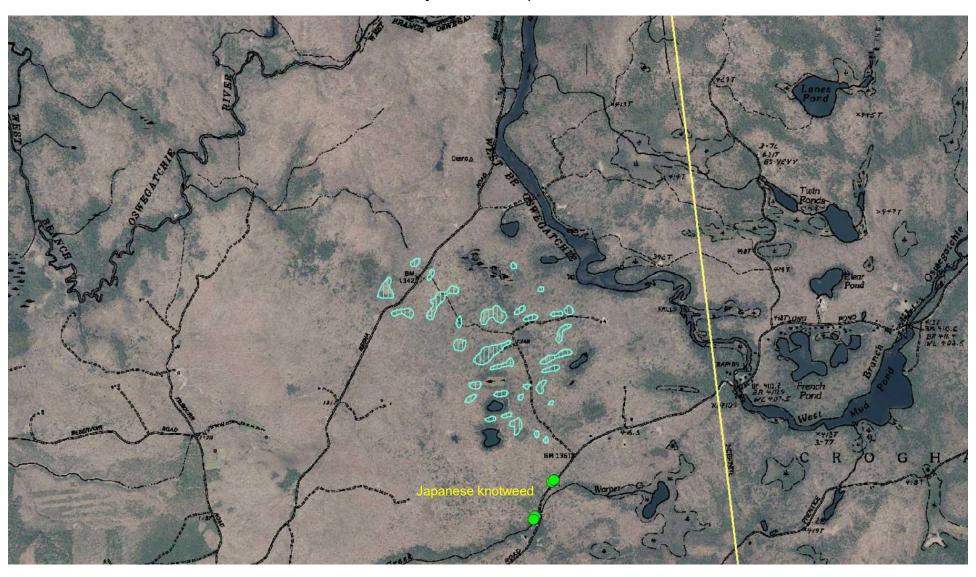






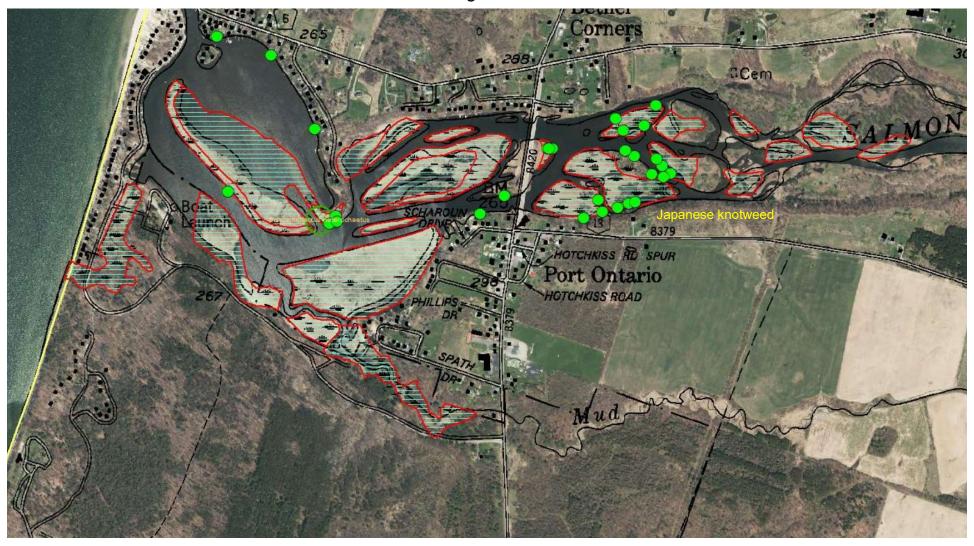


Effley Falls Sandplain



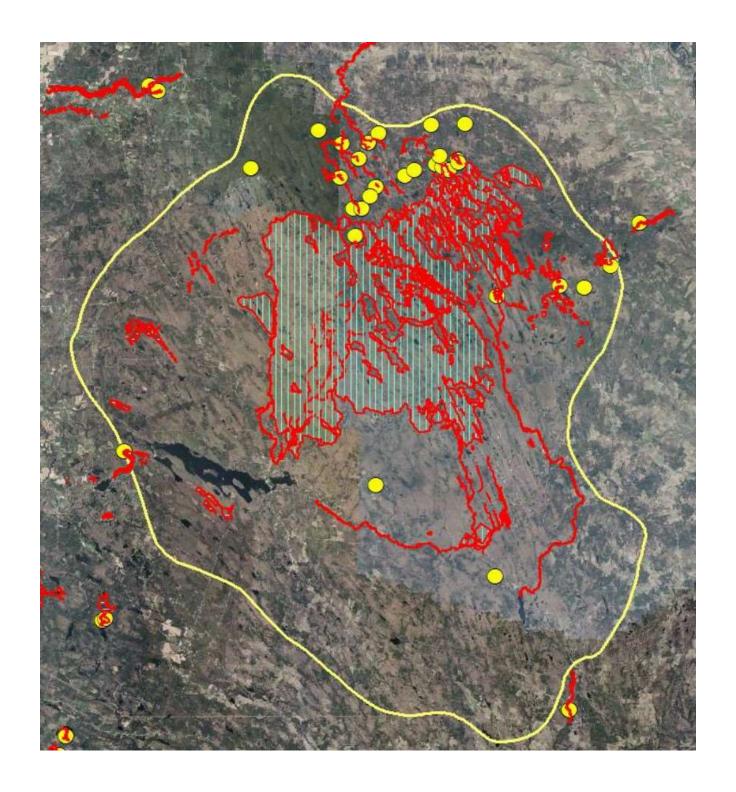
Salmon River Mouth

Deep Emergent Marsh G5 S5 Shallow Emergent Marsh G5 S5





Tug Hill Plateau



Confined River

Rocky Headwater Stream

Marsh Headwater Stream

Black Spruce Tamarack Bog

Shallow Emergent Marsh

Spruce Fir Swamp

Beach Maple Mesic Forest

Jacob's Ladder

Broad-lipped Twayblade

Cloud Sedge

Wild Sweet William

Small Bur-reed

Autumnal Water-starwort

