43073 85 (1)

Crown ~~Point~~ Point Bay

Site Name: Eagle Lake

Quad Name(s): Eagle Lake

Quad Code(s): 4307385 10/10 locator:

State: NY County(ies): ESSex

Town(s): Crown Point

Township/Range/Section:

Field Quad Margin #:

Sources of lead:

## SITE SURVEY SUMMARY

Site Visit Chronology

Date: 1988-8-3 Time: 3:00 to 4:30 Source Code: F88TAG10

Surveyor(s): L. TAGGART

Date: Time: to Source Code:

Surveyor(s):

Date: Time: to Source Code:

Surveyor(s):

Date: Time: to Source Code:

Surveyor(s):

Date: Time: to Source Code:

Surveyor(s):

Other individuals knowledgeable about site and/or EO's: —

Current use of site: Residential, recreational lake (summer).

Tract ownership or managed area name (names, addresses, phone #). Continue on last page for others.

## INDEX

Under "Element Name", list all heritage-listed species/communities sought, found or reported from site. Under "Code on Base Map", indicate a simple code number or letter to be used in identifying element locations on the base map. Indicate occurrence numbers, if known. Lastly, indicate whether the element was found (Y,N,N/A) on each particular date, whether the EOR was trancribed or updated and whether a return visit is needed.

| Element Name | Code on Base Map | Occ.# | Date: 1988-8-3 Found? | Transcr/ Updt? | Found? | Transcr/ Updt? | Found? | Transcr/ Updt? | Found? | Transcr/ Updt? | Found? | Transcr/ Updt? | Revi need Whe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Potamogeton Alpinus | /// | | YES | Y | | | | | | | | | |
| ~~Red maple~~ Northern white-Cedar Swamp | ~~///~~ | | YES | — | | | | | | | | | YES |
| | | | | | | | | | | | | | |
| Other Sites visited | X | | | | | | | | | | | | |
| Mesotrophic ? Oligotrophic dimictic lake | | | YES | Y✓ | | | | | | | | | |

Page 1 of 1

## SITE DESCRIPTION /DISCUSSION

(use additional pages as necessary)

**Written description** - DESCRIBE the site in the space below. Try to convey a mental image of the site's features (including vegetation, significant species, aquatic features, notable landforms, natural disturbances, scenic qualities, natural hazards, etc.):

Small bay next to public beach area. Very sandy then progressing into a mucky area. Typha and pontederia only emergents. The water less than .5m deep. P. alpinus very inconspicuous, short. Crowded in by other potamogetons, covered by algae. Red maple cedar swamp surrounds the eastern end of the bay.

**Evidence of disturbance** - DESCRIBE any unnatural on-site disturbances (e.g., livestock grazing, structures, past logging, mining, plantations/orchards, exotic flora, etc.).

There was some litter in this area, not much.

**Surrounding land use** - DESCRIBE physical structures and land use practices in the surrounding area (e.g., residential and commercial buildings; agricultural, recreational, residential, and commericial uses):

Private property, residential → Public beach, picnic area

**Threats to site/Management needs** - DISCUSS on-site and off-site threats to site and management implications; if applicable, discuss why sought species/communities may no longer exist here.

P. alpinus Plants found at edge of bay - emergent plants could quickly invade - water very shallow

## DETAILED LOCATION INFORMATION

**Site location/Directions to site** - Refer to nearby topographic landmarks to concisely describe the site's location (e.g., Rattlesnake Mt.; talus areas on southeast side of mountain). Please provide additional directions to describe the location(s) of specific elements within the site, especially if these occurrences would be difficult for someone not familiar with the site to relocate using only the attached maps.

RT 74, east - from Northway (~10mi) P. alpinus found at eastern most bay next to public beach area.

**Topographic base map** - Attach (staple) a photocopy of that portion of the topographic map(s) showing the site. Aerial photographs or more detailed maps may also be used. Upon this base map note the following:

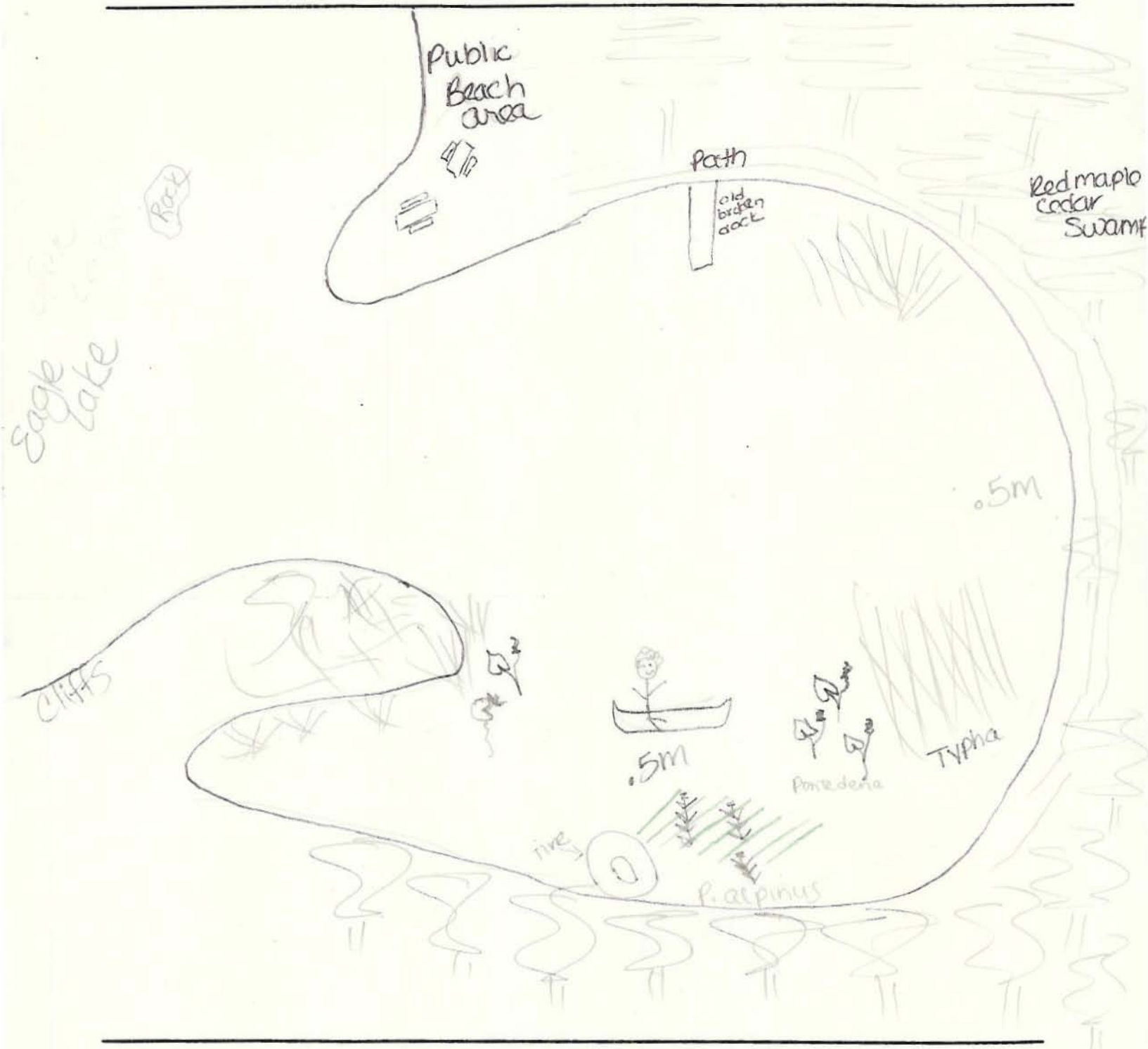
Completed?

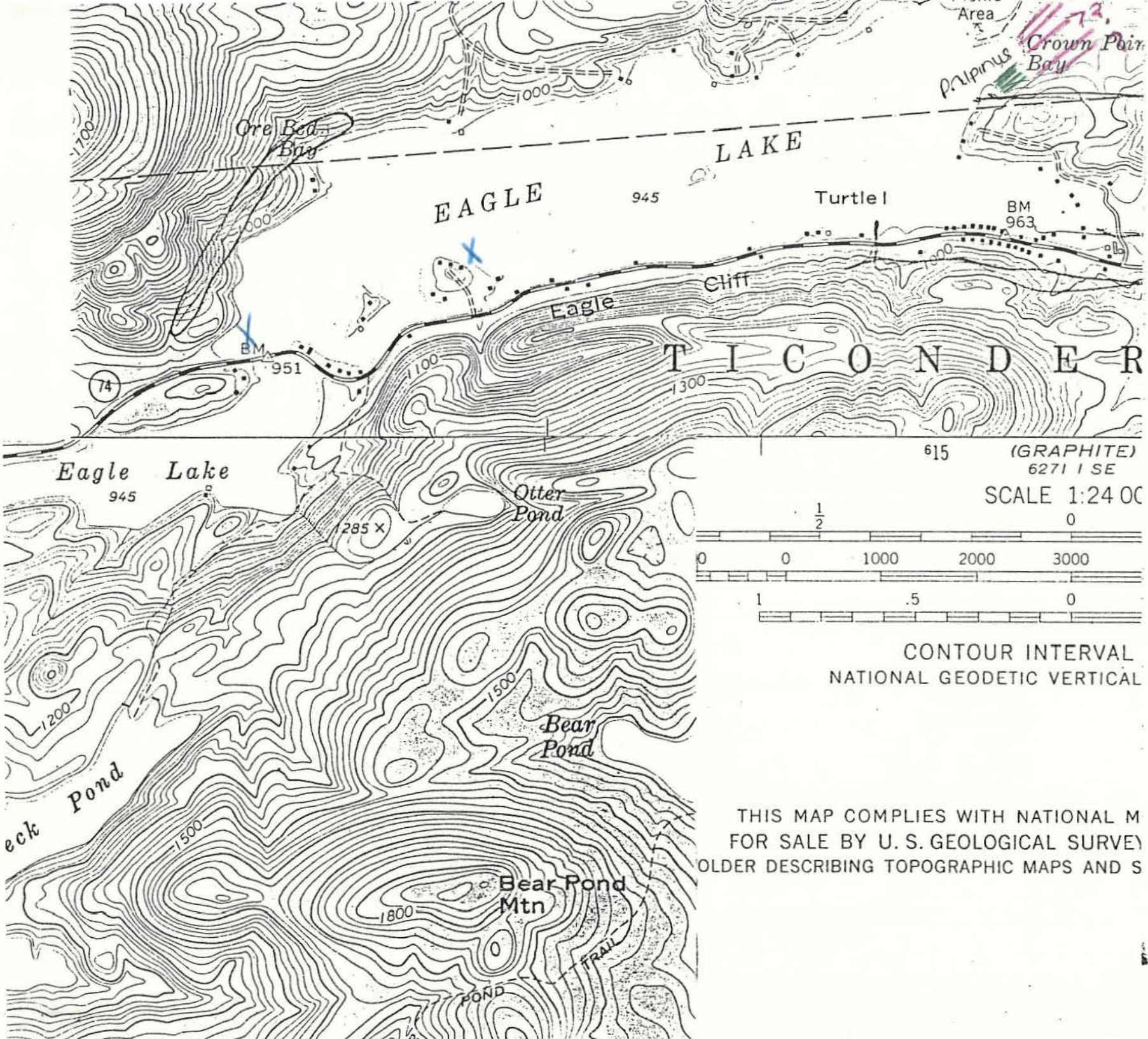
____yes ____no 1. Indicate precise element locations (using dots) and/or boundaries (using solid lines ). Identify each element with the codes you used in the index of page 1.

____yes ____no 2. If knowledge of the site permits, draw primary (-+-+-) and secondary (-‖-‖-) ecological site boundaries. Within the primary site boundary include all known element occurrences and lands deemed necessary for the continued viability of the EOs. The secondary boundary, or "buffer", includes lands intended to mitigate future unforeseen negative impacts to the EOs (i.e., to control erosion, trespass-related damage, natural succession, exotic species, urban sprawl, etc.). Use -+-‖-+-‖- where primary and secondary coincide. If primary or secondary boundaries are drawn, provide justification for the location of these lines in the space below.

____yes ____no 3. If known, indicate tract ownership boundaries, using dashed lines (- -).

**Habitat map** - The purpose of the sketch is to show fine details of the site which are not shown on the topographic base map. Sketch the habitat area searched, and show; (1) the route taken, (2) any listed species/communities and their boundaries, (3) landmarks, and (4) evidence of disturbance (e.g., structures, dumps, exotic flora). Include scale and indicate north.




Area
Crown Point
Bay
Red Maple cedar Swamp
1000
1700
Ore Bed Bay
LAKE
EAGLE
945
Turtle I
BM 963
1000
Cliff
Eagle
BM 951
74
1100
1300
T I C O N D E R O G A
615
(GRAPHITE)
6271 I SE
SCALE 1:24 0C
1/2
0
0
0
1000
2000
3000
1
.5
0
CONTOUR INTERVAL
NATIONAL GEODETIC VERTICAL
Eagle Lake
945
Otter Pond
1285 X
1200
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eck Pond
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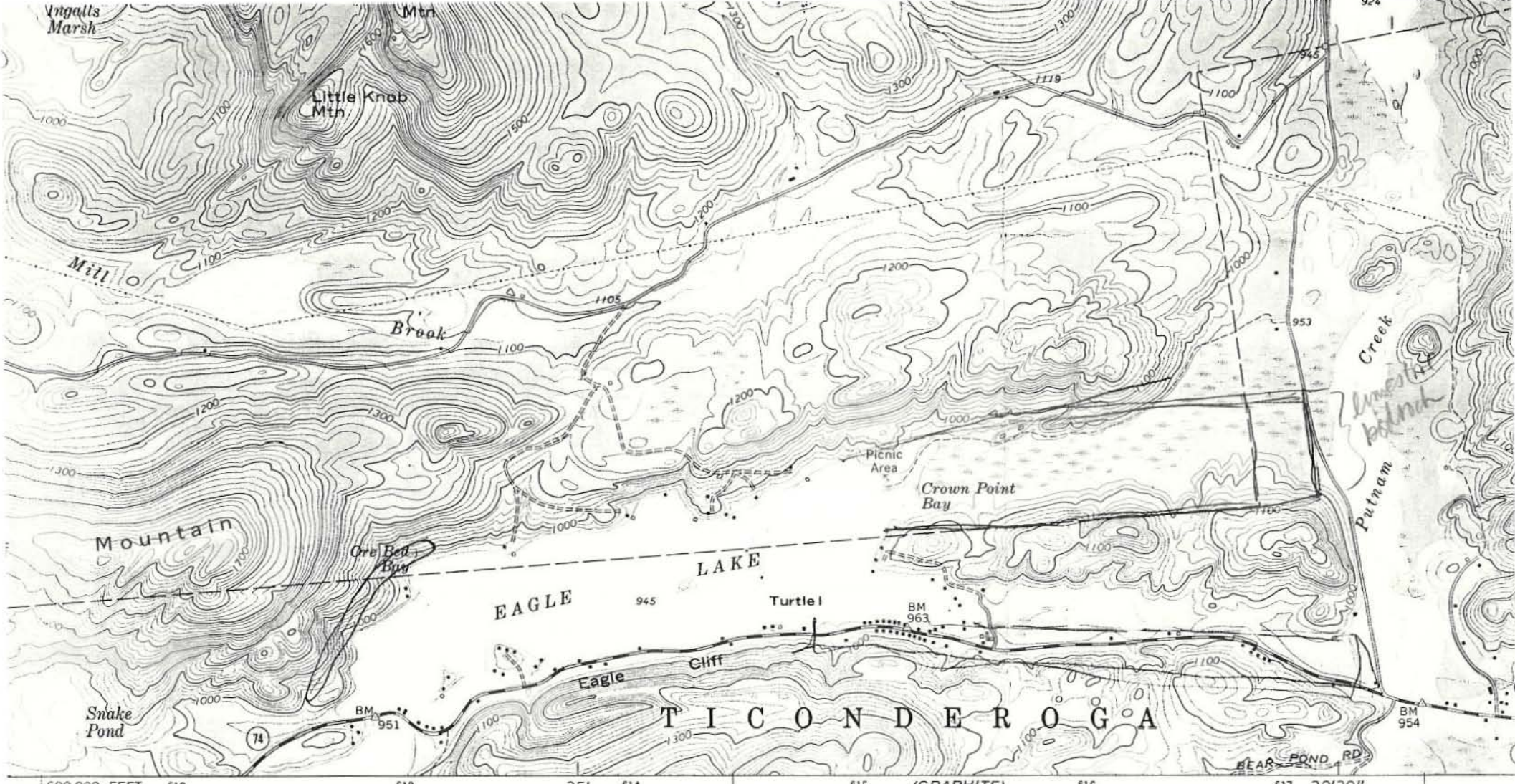
THIS MAP COMPLIES WITH NATIONAL M
FOR SALE BY U. S. GEOLOGICAL SURVE
OLDER DESCRIBING TOPOGRAPHIC MAPS AND S



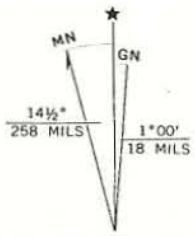

blished by the Geological Survey

S/NOAA

netric methods from aerial
nd 1971. Field checked 1973

t grid ticks: New York coordinate
se Mercator)
nsverse Mercator grid ticks,
1927 North American datum

ate selected fence and field lines where
photographs. This information is unchecked




UTM GRID AND 1973 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETRE

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929


QUADRANGLE LOCA

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

## COMMUNITY SURVEY FORM

Site Name: Eagle Lake Date: 9-3-88 Source Code: F88TA610

Quad Name(s): Eagle Lake. Date: Source Code:

Quad Code(s): 4307385 Date: Source Code:

State: NY County(ies): ESSEX Date: Source Code:

Field Quad Margin #: Date: Source Code:

Full extent of EO known and mapped? ___ yes X no

Precise location of community mapped on base map? X yes ___ no

## BIOLOGICAL DESCRIPTION

Element Name: mesotrophic? oligotrophic, dimictic lake. Element Code: Occ#

Included plant communities (name each PC using 1,2 or 3 dominant species):

(1) (list additional PC's

(2) on last page)

(3)

For each PC list the canopy dominants (tree-T, shrub-S, herb-H) and % cover.

| (1) Name | T S H | %cover | (2) Name | T S H | %cover | (3) Name | T S H | %cover |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

For each PC list the stratal dominants or codominants (tree-T, shrub-S, herb-H) and % cover.

| Name | T S H | %cover | Name | T S H | %cover | Name | T S H | %cover |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |

Were cover values determined X visually?, ___ quantitatively?

% bare ground: Species list generated? X yes ___ no

Characteristic species: Eriocaulon, Coptanguilare, Lobelia P. praeorgnis M. spicatum, E. canadensis

Exotics: Myriophyllum spicatum

Rare taxa: potamogeton alpinus

General description and comments (word picture of the NC):

On the few areas I looked at, the diversity was great. One area near the bridge (T-74) that crosses the lake had been invaded by M. Spicatum. I saw it no where else. The lake bottom was sandy in most places. The plants are common to plants in other lakes in area. Development on this lake is minimal (for the time being). Houses only on Southern shore N. shore very cliffy. Chimney Island was partly limestone. There are supposed to be more limestone cliffs but they were not located. Red maple-Cedar Swamp at eastern end of lake.

## PHYSICAL DESCRIPTION

Size : _____ Elevation: _____ ft to _____ ft

| Aspect | | Slope | Topographic position | Moisture |
|---|---|---|---|---|
| ___ N | ___ NE | ___ 0-3% | ___ Crest | _X_ Inundated (Hydric) |
| ___ E | ___ NW | ___ 3-8% | ___ Upper slope | ___ Saturated (Wet-Mesic) |
| ___ S | ___ SE | ___ 8-15% | ___ Mid-slope | ___ Moist(Mesic) |
| ___ W | ___ SW | ___ 15-35% | ___ Lower slope | ___ Dry-Mesic |
| ___ Flat | | ___ 35%-Vertical | ___ Bottom | ___ Dry(Xeric) |

Cross section of natural community, showing topographic and aquatic features, vegetation structure, and location of various plant communities or species. Include scale and direction.

## PHYSICAL DESCRIPTION (continued)

**Substrate/soil:**

Parent material _____

Soil name(s)/substrate : sand

Litter depth(s) _____

Comments _____

## CONSERVATION

Owner aware of EO? ___yes ___no ___unknown Owner protecting EO? ___yes ___no ___unknown

Evidence of disturbance: _____

Threats to EO: too much development, motor boat use,

Conservation/management needs: prevent too much development

Data security? ___ Yes X No Explain: _____

Photographs: (list and describe) ND

## SUMMARY

**EO Quality:** (ie, How does this occurrence compare with others you have seen? Consider such factors as acreage, maturity, "naturalness," and any unique or special biotic features.)

A-Excellent B-Good C-Marginal D Poor

Comments: _____

**EO Condition:** (ie, In assessing condition, consider man-made [or natural] disturbances which may have had a negative impact on this occurrence. Have exotics invaded? Can the community occurrence recover from past disturbances?) yes (milfoil)

A-Excellent B-Good C-Marginal D Poor

Comments: _____

**EO Viability:** (ie, What are the long-term prospects for continued existence of this occurrence at the indicated level of quality?)

A-Excellent B-Good C-Marginal D Poor

Comments: as long as lake isn't too developed.

**EO Defensibility:** (ie, Can this occurrence be protected from extrinsic human factors?)

A-Excellent B-Good C-Marginal D Poor

Comments: State owns property

**EO Rank:** (ie, a summary of all factors listed above) A B C D

Comments: _____

## PLANT LIST

List species observed and mark appropriate column(s). For unfamiliar species indicate, for example, "Carex sp.", or "grass sp.". If possible, maintain a separate species list for each plant community.

| | Species | Dom. tree | Other tree | Dom. sh-v | Other sh-v | Dom. herb | Other herb | Coll. # | Photo |
|---|---|---|---|---|---|---|---|---|---|
| emergents | Typha (sp) | | | | | | x | | |
| | Pontederia cordata | | | | | | x | | |
| | Nymphaea odorata | | | | | | | | |
| | Nuphar (sp) | | | | | | | | |
| | Brasenia Schreberi | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Submersed | Ceratophyllum sp. | | | | | | | | |
| | Ericaulon septangulare | | | | | | | | |
| | Elodea canadensis | | | | | | | | |
| | Bidens Beckii | | | | | | | | |
| | Lobelia dortmanna | | | | | | | | |
| | Myriophyllum spicatum | | | | | | | x | |
| | Najas flexilis | | | | | | | x | |
| | Potamogeton alpinus | | | | | | | x | |
| | Potamogeton praelongus | | | | | | | | |
| | P. perfoliatus | | | | | | | | |
| | P. epihydrus | | | | | | | | |
| | P. robbinsii | | | | | | | | |
| | P. natans | | | | | | | | |
| | P. vaseyi or nitens | | | | | | | | |
| | P. amplifolius | | | | | | | | |
| | P. perfoliatus | | | | | | | | |
| | Sagittaria graminea | | | | | | | | |
| | Vallisneria americana | | | | | | | | |
| | Potamogeton gramineus | | | | | | | x | |
| | Potamogeton (vaseyi) | | | | | | | | |
| | Potamogeton pusillus | | | | | | | | |
| | | | | | | | | | |
| | Fontinalis (?) | | | | | | | x | |

## ANIMAL LIST

List species observed and mark appropriate column. For unfamiliar species indicate, for example, "warbler sp.", or "*Notropis* sp."

| Species | Evid. of Presence | Evid. of Breeding | Number |
|---|---|---|---|
| Osprey [illegible] | x | | 2 |
| | | | |
| | | | |
| | | | |
| Fishes reported in the 1932 Biol. Survey: | | | |
| | abundance code: | | |
| Whitefish | A | (stocked from 1924-1930) | |
| common sucker | R | | |
| Common bullhead | FC | | |
| Northern pike | C | | |
| Yellow perch | C | | |
| Pike-perch | S | (stocked) | |
| small-mouth bass | C | | |
| Common sunfish | FC | | |
| Northern sculpin | FC | | |
| (total minnows | R | ) | |
| | | | |
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## SPECIAL PLANT SURVEY FORM

Site Name: Eagle Lake Date: 1988-8-3 Source Code: F88TAG10

Quad Name: Eagle Lake Date: Source Code:

Quad Code: 43 073 85 Date: Source Code:

State: NY County: Essex Date: Source Code:

Field Quad Margin #: Date: Source Code:

Full extent of EO known and mapped? X yes ___ no

Precise locations of individuals or groups mapped on base map? X yes ___ no

### BIOLOGY

Element Name: Potamogeton alpinus Element Code: Occ. #:

| Phenology | Approx # Ramets | Approx # Genets | Population Area | Age Structure | Vigor |
|---|---|---|---|---|---|
| X In leaf | ___ 1-10 | ___ | ___ 1yd$^2$ | ___ % Seedlings | ___ Very feeble |
| ___ In bud | ___ 11-50 | ___ | ___ 1-5 yd$^2$ | ___ % Immature | ___ Feeble |
| X In flower | X 51-100 | ~~X~~ | X 5-10 yd$^2$ | ___ % 1st year | X Normal |
| ___ Immature fruit | ___ 101-1000 | ___ | ___ 10-100 yd$^2$ | 100 % Mature (established) | ___ Vigorous |
| ___ Mature fruit | ___ 1001-10,000 | ___ | ___ 100 yd$^2$-2ac | ___ % Senescent | ___ Exceptionally vigorous |
| ___ Seed dispersing | ___ 10K+ | ___ | ___ 2 ac+ | | |
| ___ Dormant | ___ est. #≈75 | | ___ est. area | | |

Comments on above: Growing in .5m H2O

Evidence of reproduction? X yes ___ no Explain:

Type of reproduction: X sexual ___ asexual ___ both

Evidence of symbiotic or parasitic relationships? ___ yes X no Explain:

Evidence of disease, predation, etc. ___ yes X no Explain:

### Success at Each Stage of Life Cycle

| | good | fair | poor | none | uncertain |
|---|---|---|---|---|---|
| reproduction | | X | | | |
| dispersal | | X | | | |
| establishment | | X | X | | |
| maintenance | | X | | | |

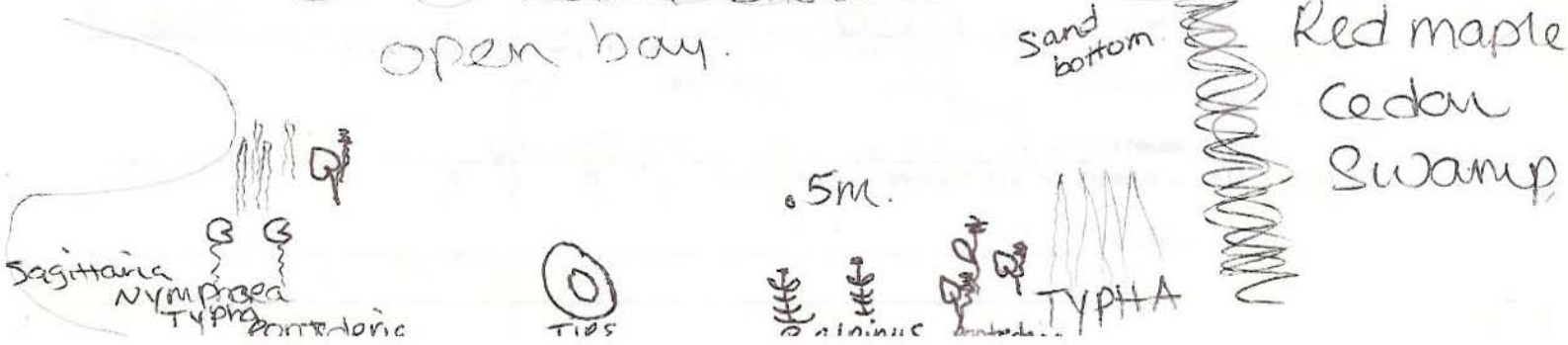
Comments:

### HABITAT

| Aspect | Slope | Light | Topographic position | Moisture |
|---|---|---|---|---|
| ___ N ___ NE | X Flat | X Open | ___ Crest | X Inundated (Hydric) |
| ___ E ___ NW | ___ 0-10 | ___ partial | ___ Upper Slope | ___ Saturated(Wet-mesic) |
| ___ S ___ SE | ___ 10-35 | ___ Filtered | ___ Mid-Slope | ___ Moist(Mesic) |
| ___ W ___ SW | ___ 35+ | ___ shade | ___ Lower-Slope | ___ Dry-Mesic |
| | ___ Vertical | | X Bottom | ___ Dry(Xeric) |

Elevation: .5m Deep ft to ___ ft Eagle Lake elevation

Cross section of topography (habitat)/include scale, direction, element position



## HABITAT (continued)

Cedar, Red maple Swamp.

Associated natural community/plant community: [illegible]

Natural community form completed? ___ yes X no

Associated plant species: Pontederia cordata, typha, Fontinalis(Ap) sagittaria, Nymphaea, several narrow leaved Potamogetons.

Substrate/Soils: sandy → mucky

Estimated # of acres of potential habitat in the immediate area: ~.5 acres

## IDENTIFICATION

Photograph taken? ___ yes X no

Specimen taken? X yes ___ no If yes, give coll. # and repository: EWI F88TAG#4

Do other members of this genus co-occur at this site? X yes ___ no If yes, complete below:

List: P. epihydrus, natans, P. gramineus (P. sp.'s)

Hybridization? ___ yes X no

Identification problems? ___ yes X no Explain:

## CONSERVATION

Owner aware of EO? ___ yes ___ no X unknown Owner protecting EO? ___ yes ___ no X Unknown

Evidence of disturbance: None observed.

Threats to EO: drought conditions could wipe it out - growing in very shallow water. → dumping → there was some litter in H2O

How large an area is needed to provide species survival here?

Explain: area was very crowded with other plants

Conservation/management needs:

Research needs:

Data security? ___ yes X no Explain:

## SUMMARY

EO Quality: (Ie, How representative is this occurrence? Consider the size and productivity of the population and the vitality and vigor of the individuals.)
A-Excellent B-Good (C-Marginal) D Poor

Comments: very small population. Plant also seemed smaller.

EO Condition: (Ie, Is the habitat supporting the EO pristine or degraded? Is there a potential for the habitat to recover from disturbances?)
A-Excellent (B-Good) C-Marginal D Poor

Comments:

EO Viability: (Ie, What are the long-term prospects for continued existence of this occurrence at the indicated level of quality?)
A-Excellent B-Good C-Marginal D Poor

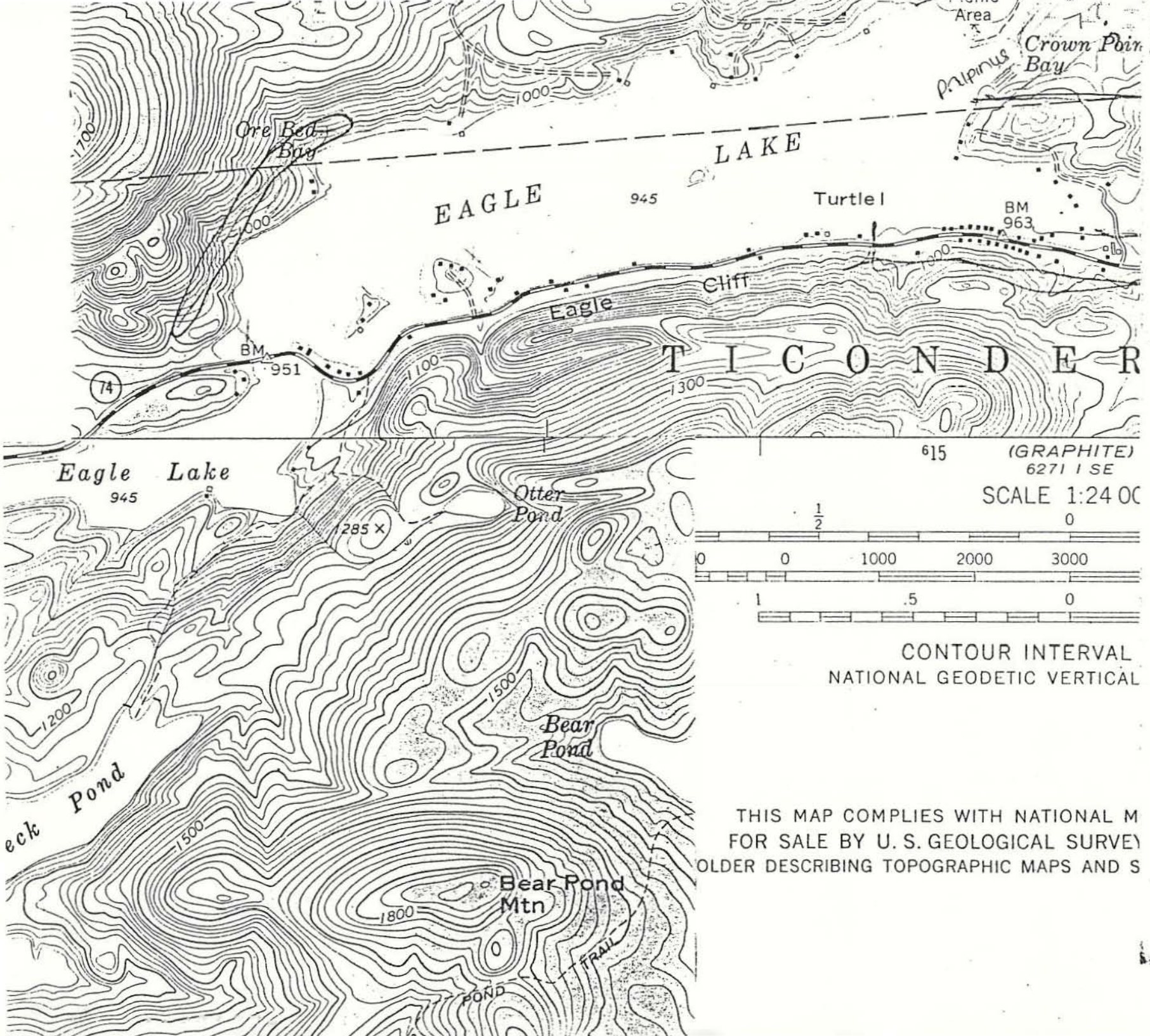
Comments: dependent on existence of small swampy area

EO Defensibility: (Ie, Can this occurrence be protected from extrinsic human factors?)
A-Excellent (B-Good) C-Marginal D Poor

Comments: Only reached by canoe

EO Rank: (Ie, a summary of all factors listed above) A B C D

Comments:


Area
Crown Point Bay
Red maple cedar swamp
1000
1700
Ore Bed Bay
LAKE
EAGLE
945
Turtle I
BM 963
1000
Cliff
Eagle
BM 951
74
1100
1300
T I C O N D E R O G A
615
(GRAPHITE)
6271 I SE
SCALE 1:24 0C
1/2
0
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