Natural Heritage & Endangered Species Program
MA Division of Fisheries & Widllife
Route 135, Westborough, MA 01581
(508) 792-7270 x 165

RARE PLANT OBSERVATION FORM

OBSERVER INFORMATION

Observer's Name, Address, and Phone:

Arthur Haines
Woodlot Alternatives, Inc.
122 Main Street, Number 3
Topsham, ME 04086
207-729-1199

Species Scientific Name:

Eleocharis intermedia

NHESP Element Occurrence Number (if known):

Observation Date:

25 August 1999

Today's Date:

8 November 1999

LOCATIONAL INFORMATION

a) USGS Quad Name and Series (7.5"x7.5" or 7.5"x15"): Pittsfield East

County: Berkshire

Town: Pittsfield

b) Directions to location of observations (please attach USGS map):

North Shore of Housatonic River, along an East to West flowing section, north of Waste Water Treatment Plan, South of Sackett Brook and Pipeline Crossing, East of T-shaped backwater, and east 30 m of Sewage/waste water concrete structure at end of gravel drive.

Approximate UTM coordinate - 4697640 N - 0644940 E

c) Habitat: (plant communities, associated vegetation, physical characteristics, geological features, surrounding land use. Are other rare species present?)

Wet silt/muck shore of low gradient stream. Growing with Ludwigia palustris, Lindernia dubia, Persicaria lapathifolia, Verbena hastata, Cyperus strigosus, Myosotis scopioides, Eragrostis pectinacea, Alisma subcordatum, and Lythrum salicaria.

POPULATION INFORMATION:

Population found? (Y/N): Y

If No, is population presumed extirpated and why?

If Yes,

Number of mature plants: 8 (a conservative count due to silt deposits on shoreline).

Number of immature plants:

Number of plants age unknown:

Population area (give unit of measurement):

2 X 10 meters

Percent of population:

in leaf:

in bud:

in flower:

with immature fruit:

mature fruit: 100

senescent:

Observations of floral visitors, fruit dispersers:

Vigor of individuals and population:

Appently vigorous

Evidence of expansion or decline:

none observed

Have you observed this species at this site in previous years?

Please give details:

NO

SITE PHYSIOGRAPHY

Elevation: 293 m

Topographic position (crest, upper slope, mid slope, lower slope, bottom?):

Edge of Stream Channel

Aspect (north, south, east, west, flat?):

Slope (0-20 degrees, 20-45 degrees, 45-75 degrees, vertical?):

Light (open, filtered, shade?):

Moisture (inundated, wet, mesic, dry, xeric?):

Soil types: Wet silt with organic material

Surficial rock types (with percent of ground covered):

NA

Bedrock/parent material:

Unknown

Surficial water (distance away and source):

Housatonic River, 1 meter

MANAGEMENT/OWNERSHIP:

MNHESP Site Name (if any):

Managed Area (if any): Housatonic River Valley Wildlife Management Area

Comments/Management recommendations:

Disturbance or threats (natural or unnatural) to population:

Weed species colonization; Changes in water level

Land Owner's Name, Address, and Phone:

Ownership Comments:

ELEMENT OCCURRENCE (EO) SUMMARY

(Circle one choice in each category)

EO Quality

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: Small population area, low numbers

EO Condition

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: Lythrum Salicaria growing on shoreline.

EO Viability

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: A single, scour event of river could eliminate the small section of silt/sand shoreline.

EO Defensibility

Can this occurrence be protected from extrinsic human factors?

A - Excellent B - Good C - Marginal D - Poor

Comments: Public ownership of land

EO RANK

A summary of all factors listed above.

A - Excellent B - Good C - Marginal D - Poor

Comments:

ADDITIONAL COMMENTS (if any)

CERTIFICATION

I hereby certify under pains and penalties of perjury that the information contained in this report is true and complete to the best of my knowledge.

Signature: Ruth Haines

Date: 8 November 1999

Please submit form, a copy of a USGS topo map showing plant location, and all supporting documentation to the State Botanist at:

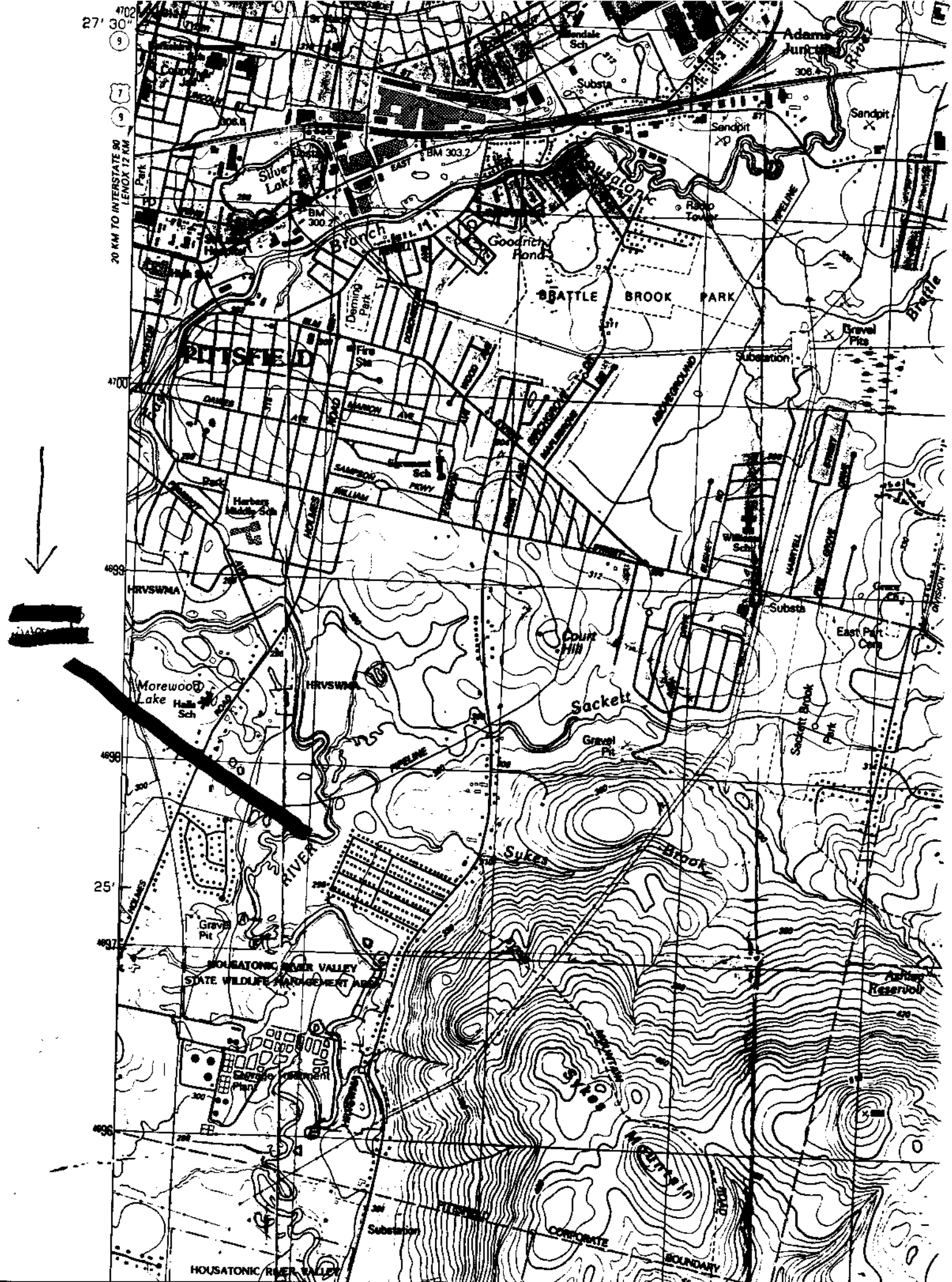
Massachusetts Natural Heritage & Endangered Species Program
Division of Fisheries & Wildlife

Route 135

Westborough, MA 01581

(508) 792-7270 ext 200

Thank you for contributing to the Natural Heritage & Endangered Species Program database. Your efforts are valuable and appreciated.



27' 30"
4702
4700
4699
4698
4697
4696
25'
20 KM TO INTERSTATE 90
LENOX 12 KM
Adams Junction
Substa
Sandpit
Silver Lake
BM 303.2
BM 300.2
Goodrich Pond
Radio Tower
BRATTLE BROOK PARK
Deming Park
PITTSFIELD
Fire Sta
Gravel Pits
Substation
Herbert Middle Sch
HRVSWMA
Morewood Lake
Halls Sch
Court Hill
Sackett
Gravel Pit
Sackett Brook Park
East Part Cem
Sykes Brook
RIVER
Gravel Pit
HOUSATONIC RIVER VALLEY
STATE WILDLIFE MANAGEMENT AREA
Ashley Reservoir
Sykes Mountain
Substation
CORPORATE BOUNDARY
HOUSATONIC RIVER VALLEY