Natural Heritage & Endangered Species Program

Please submit field forms, a copy of a USGS map, and all supporting documentation to the State Botanist at:

Massachusetts Natural Heritage
and Endangered Species Program
Division of Fisheries & Wildlife
Route 135
Westborough, MA 01581
(508) 792-7270 ext. 200

RARE PLANT OBSERVATION FORM

Species Scientific Name: Conioselinum Chinense

NHESP Element Occurrence Number (if known):

Observation Date(s): 9 September 1998

USGS Quad Name and Series (7.5"x7.5" or 7.5"x15"): East Lee and Pittsfield East (1:25,000)

County: Berkshire Town: Lenox

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

Habitat: (Describe plant communities, associated vegetation, physical characteristics, geological features and surrounding land use. Are other rare species present?) Red Maple - Black Ash Swamp (with a small component of Quercus Macrocarpa), understory shrubs were Carpinus caroliniana, Ilex verticillata, and Kalmia latifolia. Dominant herbs include: Osmunda cinnamomea, Thelypteris palustris, Symphyotrichum puniceum [= Aster p.]. Pit and Mound topography, with low wet areas and high mounds with characteristically upland vegetation on them such as Rhus strobus. Site sits on a low plain (to the Housatonic River) at base of a shallow sloping ridge.

Areal Distribution, Numbers, Phenology

Population found: X
not found:
Presumed extirpated:
(give reasons under "Comments")

No. of mature plants: 7
No. of immature plants:
No. of plants age unknown:

Population area: 15 X 10 M

Percent of population in leaf: 72 bud: flower: 28 (flowers and fruits present in inflorescence)
with immature fruit: mature fruit: senescent:

Observations of floral visitors, fruit dispersers: None

Vigor of individuals and population: few plants (only 7 observed), most (5) vegetative but appearing healthy.

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: _____

Topographic position	Aspect	Slope	Light	Moisture
crest ___	N ___	0-20 X	open ___	inundated ___
upper slope ___	E ___	20-45 ___	filtered ___	wet X
mid slope ___	S ___	45-75 ___	shade X	mesic ___
lower slope ___	W ___	vert ___		dry ___
bottom X	Flat X			xeric ___

Soil types: Silt muck

Surficial rock types (with percent of ground covered): _____

Bedrock/parent material: _____

Surficial water (distance away): Small pools throughout community Source: Water apparent at base of slope

Management / Ownership

NHESP Site Name (if any): _____ Managed Area: _____

Comments/Management recommendations: _____

Disturbance or threats (natural or unnatural) to population: _____

Owner's Name: _____ Telephone: (___) _____

Address: _____

Owner Comments: _____

Observer Information

Observer's Name: Arthur Haines Telephone: (207) 729-1199

Address: Woodlot Alternatives, Inc. 122 Main St., Number 3 Topsham, ME 04086

Plant ID by: Arthur Haines

Specimen # & Herbarium: _____

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: few individuals observed and only a small percentage reproductive

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: Size has been limited by powerline clearing

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: _____

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

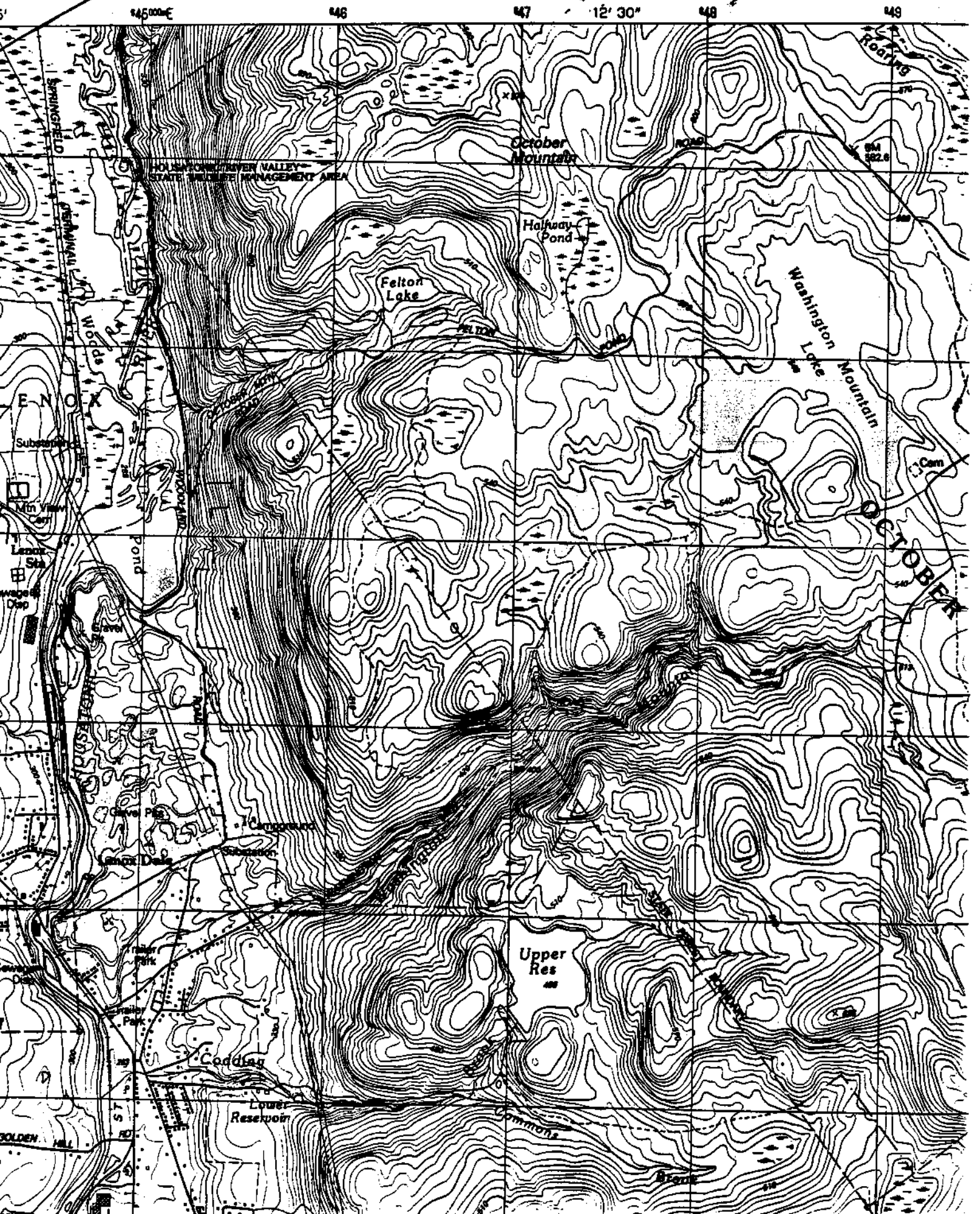
A - Excellent B - Good (C) - Marginal D - Poor

Comments: _____

EO RANK: (A summary of all factors listed above.) A - Excellent B - Good (C) Marginal D - Poor

Comments: _____

Signature: Arthur Haines Date: 27 October 1998

Conioselinum chinense

AST LEE, MASSACHUSETTS