### SPECIAL PLANT SURVEY FORM

**Site:**

**Survey Site:**

**Quad name:**

**Quad code:**

**County:**

**Town:**

**Date:**

**Surveyor(s):**

**Sourcecode:**

<table>
<thead>
<tr>
<th>Plant Name:</th>
<th>New</th>
<th>Update</th>
<th>Occurrence #:</th>
</tr>
</thead>
</table>

**GPS Coordinates:**

- NAD 83, UTM Zone 19N
- Other-please specify

**Directions to Occurrence:**

- Strongly recommend use of air photos and USGS topographic maps for relocation of the site on the ground.

**MAP:** Please attach a map, preferably 1:24,000 scale topo map, showing the location of the observation.

**Locational Uncertainty** (how closely can you map the feature to its actual location?)

- mapped to w/in 12.5 m of actual location;
- greater uncertainty (estimate = _____ m / ft / km / miles);
- aerial delimited

**Confidence in Observation of Population Extent**

- Confident full extent of feature IS known;
- Confident full extent is NOT known;
- Uncertain whether full extent is known

### EO DATA

<table>
<thead>
<tr>
<th># of Plants</th>
<th>Population Area</th>
<th>Vigor?</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Individuals</td>
<td>□ Normal</td>
<td>□ Other than normal</td>
</tr>
<tr>
<td>□ Ramets</td>
<td>□ 1 square yard</td>
<td>Explain:</td>
</tr>
<tr>
<td>Phenology</td>
<td>□ 1 – 5 square yards</td>
<td>Evidence disease, predation, etc? Explain:</td>
</tr>
<tr>
<td>□ In leaf</td>
<td>□ 5 – 20 square yards</td>
<td>□ Yes</td>
</tr>
<tr>
<td>□ In bud</td>
<td>□ 20 – 100 square yards</td>
<td>□ No</td>
</tr>
<tr>
<td>□ In flower</td>
<td>□ 100 sq yds to 1 acre</td>
<td>Type of reproduction? Explain:</td>
</tr>
<tr>
<td>□ Immature fruit</td>
<td>□ 1 acre +</td>
<td>□ Sexual</td>
</tr>
<tr>
<td>□ Mature fruit</td>
<td>____~ area actual habitat</td>
<td>□ Asexual</td>
</tr>
<tr>
<td>□ Seed dispersing</td>
<td>____ ~ area potential habitat</td>
<td>Not Observed</td>
</tr>
<tr>
<td>□ Dormant</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Population Structure**

<table>
<thead>
<tr>
<th>% Vegetative</th>
<th>% Reproductive</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Comments:**

### GENERAL DESCRIPTION

**Associated natural community:**

**Associated plant species:**

**Substrate/soil type:**

**Threats to Population:**

**Conservation/Management/Research needs:**

### Elevation

<table>
<thead>
<tr>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft / m</td>
<td>ft / m</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Aspect</th>
<th>% Slope</th>
<th>Light</th>
<th>Topographic Position</th>
<th>Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ N</td>
<td>□ Flat</td>
<td>□ Open</td>
<td>□ Crest</td>
<td>□ Inundated</td>
</tr>
<tr>
<td>□ E</td>
<td>□ 0-10</td>
<td>□ Partial</td>
<td>□ Upper Slope</td>
<td>□ Saturated (water mesic)</td>
</tr>
<tr>
<td>□ S</td>
<td>□ 10-35</td>
<td>□ Filtered</td>
<td>□ Mid-slope</td>
<td>□ Moist (mesic)</td>
</tr>
<tr>
<td>□ W</td>
<td>□ 35+</td>
<td>□ Shade</td>
<td>□ Lower Slope</td>
<td>□ Dry-mesic</td>
</tr>
<tr>
<td>□ Flat or NA</td>
<td>□ Vertical</td>
<td></td>
<td>□ Bottom</td>
<td>□ Dry (xeric)</td>
</tr>
<tr>
<td>□ Level Plain</td>
<td>□ Moisture</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Maine Natural Areas Program, Department of Agriculture, Conservation and Forestry* 2013
### EO RANKING

**CURRENT CONDITION** of the plant’s immediate habitat. Is the habitat pristine or degraded? Note any disturbances within the plant habitat (check off, describe below to what degree these have altered natural ecological processes, or if they have any negative or positive effects on the population). Note how the disturbance(s) may influence success of the plant at the site.

- [ ] Logging—most recently ~ _______ yrs ago
- [ ] Agriculture / Pasture
- [ ] Animal effects (insect outbreaks, browsing)
- [ ] Wind or ice damage
- [ ] Fire
- [ ] Impoundment
- [ ] Exotic plants
- [ ] Erosion
- [ ] Dumping or mining
- [ ] ORV / Vehicle disturbance
- [ ] Trails / Roads
- [ ] Other
- [ ] No Evidence of disturbance

**Condition**

- [ ] A – No apparent signs of human disturbance (or long enough ago that effects are no longer visible or are extremely minor)
- [ ] B – Some signs of human disturbance or degradation, but habitat generally intact
- [ ] C – Signs of human disturbance or degradation, and habitat compromised in some significant way
- [ ] D – Highly disturbed (multiple impacts causing habitat to be drastically altered)
- [ ] Other / Habitat disturbed, consistent with needs of species / **Explain:**

**Size / Quality**

How large is this population relative to typical populations of this species? Does it appear to be capable of maintaining itself if its habitat remains basically intact? **Yes** | **No**

**Size / Quality Rank**

- [ ] A – Excellent
- [ ] B – Good
- [ ] C – Fair
- [ ] D – Poor

**Comments:**

**LANDSCAPE CONTEXT** of the area surrounding the plant habitat. What land uses and/or natural communities surround the observed area? Is the habitat fragmented? To what degree can the population be protected from effects of adjacent land uses?

**Landscape**

- [ ] A – Population surrounded by >= 1000 acres of undisturbed landscape
- [ ] B – Population surrounded by fairly intact landscape, though there may be cuts nearby
- [ ] C – Population surrounded by fragmented forest or rural landscape
- [ ] D – Surrounding area developed
- [ ] Other / **Explain:**

**Overall Rank** for EO based on your experience

- [ ] A – Excellent
- [ ] B – Good
- [ ] C – Fair
- [ ] D – Poor
- [ ] E – Extant

**Date:**

**Comments:**

**MNAP reviewed / verified rank**

- [ ] A – Excellent
- [ ] B – Good
- [ ] C – Fair
- [ ] D – Poor
- [ ] E – Extant

**Date:**

**Reviewer:**

**Rationale:**