|  |  |  |
| --- | --- | --- |
| **OFFICE USE ONLY** | | EO#: |
| SNAME: | SITE: | SURVEY DATE: |
| TOWN: | ENTERED BY: |

**RARE PLANT SURVEY FORM**

Natural Diversity Data Base

Connecticut Department of Environmental Protection

79 Elm Street, 6th Floor

Hartford, CT 06106-5127

*Please complete this form to the best of your ability.*

*Submit survey forms, maps, and all supporting documents to the address above or email to deep.nddbrequest@ct.gov*

New record

Update

|  |  |  |  |
| --- | --- | --- | --- |
| **\*SPECIES SCIENTIFIC NAME:** |  | **Element Occurrence (EO) #** (if known)**:** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **REPORTER INFORMATION** | | | |
| Name(s): |  | | |
| Address: |  | Telephone No: |  |
|  |  | E-mail address: |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SURVEY/SITE INFORMATION** | | | | | | | | | |
| Site Name: |  | | | | | Survey Date(s): | |  | |
| Town(s): |  | | | | | County: | |  | |
| **Directions** to plant population, including best parking and access points. Please attach a map with boundaries drawn around observed plant populations (or surveyed area if plants not found). | | | | | | | | | |
| **GPS Coordinates** | | | | | **Method Used to Determine Coordinates:** | | | | |
| Latitude | |  | | N | GPS Unit | | GPS Make/Model: | |  |
| Longitude: | |  | | W | Mapping Software | | Software: | |  |
| Coordinate system (NAD83 preferred): | | |  | | Online Maps | | Online site: | |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POPULATION DATA** | | | | |
| |  |  | | --- | --- | | **Population Size** | | | Actual No. Observed |  | | Estimated No./Range |  | | |  | | --- | | **What was counted?** | | (e.g. stems, clumps, floating masses, etc.) | | | |  |  | | --- | --- | | **Population Area** | | | Length (units) |  | | Width (units) |  | | Area (units) |  | | |
| Evidence of disease, predation or injury?  Yes  No Explain: | | | | |
| |  |  |  |  | | --- | --- | --- | --- | | **Phenology** | | | | |  | % In leaf |  | % Mature fruit | |  | % In flower bud |  | % Seed dispersing | |  | % In flower |  | % Dormant | |  | % Immature fruit |  | % Senescent | | | |  |  | | --- | --- | | **Age Structure** | | |  | % Seedlings | |  | % Immature | |  | % Mature (established) | |  | % Senescent | |  | Age structure unknown | | | |  | | --- | | **Vigor** | | Very feeble | | Feeble | | Normal | | Vigorous | | Exceptionally vigorous | |

|  |
| --- |
| Comments on above: |

|  |
| --- |
| **HABITAT** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Aspect** | | **Slope** | **Light** | **Topographic Position** | **Moisture** |
| N | NE | 0-3% | Open | Crest | Permanently Inundated |
| E | NW | 3-8% | Partial | Upper Slope | Seasonally Inundated/Exposed |
| S | SE | 8-15% | Filtered | Mid-Slope | Tidally Inundated/Exposed |
| W | SW | 15-35% | Shade | Lower-Slope | Saturated (Hydric) |
| Flat |  | 35% - vertical |  | Bottom | Moist (Mesic) |
|  | o retrue N | Measured (º or %): | | Other: | Dry-Mesic |
|  | o re mag N | Horizontal shape (as for next item): | | | Dry-Xeric |
|  | | Vertical shape (ie. Convex, concave, straight, variable): | | | Other: |
|  | | | | | |
| Elevation:  to  feet meters | | | | | |
| Soil/substrate name/description(give source):  Estimated # of acres of potential habitat in the immediate area:  Evidence of disturbance:  fire  logging  disease  insect damage  windthrow  invasives | | | | | |
| Comments: | | | | | |

|  |
| --- |
| Associated natural/plant communities: |
| Associated plant species (separated strata, e.g. tree, shrub, herb layers): |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **IDENTIFICATION** | | | | | |
| Photograph taken? | Yes | No | Photo ID: | | |
| Specimen taken\* | Yes | No | If yes, provide: | Collector: |  |
| Repository: |  |
| Collection #: |  |
| Identification problems? | Yes | No | Explain: | | |

\*DEP Scientific Collection Permit is needed to collect specimens

|  |  |
| --- | --- |
| **CONSERVATION** | |
| Owner info: | |
| Owner aware of EO?  Yes  No  Unknown Owner protecting EO?  Yes  No  Unknown | |
| Threats to EO: |  |
| Conservation/ management needs: |  |
| Research needs: |  |

|  |
| --- |
| **SUPPORTING DOCUMENTS** (please attach) |

Sketch map (showing finer detail than topo or aerial photo)

Aerial photo map

Topographic map, or street or parcel map

Cross section of topography/habitat (include scale, direction, element position, description, and sub-occurrence ID[s], if needed)

Photos  GPS/GIS data  Field notes  Route of survey map