|  |  |
| --- | --- |
| **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)**:** |  |

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

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| --- |
| **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:  |  |

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| **POPULATION DATA** |
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| **Population Size** |
| Actual No. Observed |  |
| Estimated No./Range |  |

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| --- |
| **What was counted?** |
| (e.g. stems, clumps, floating masses, etc.) |

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| **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 |

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| **Age Structure** |
|  | % Seedlings |
|  | % Immature |
|  | % Mature (established) |
|  | % Senescent |
| [ ]  | Age structure unknown |

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| **Vigor** |
| [ ]  Very feeble |
| [ ]  Feeble |
| [ ]  Normal |
| [ ]  Vigorous |
| [ ]  Exceptionally vigorous |

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| Comments on above:  |

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| **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):  |

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| --- |
| **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

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| **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