KETTLEHOLE BOG ECOSYSTEM ELEMENT OCCURRENCE RANKING FORM

|  |  |  |  |
| --- | --- | --- | --- |
| **Site Name:** |  | **Survey Area:** |  |
| **Quad name:** |  | **Quad code:** |  |
| **County:** |  | **Town:** |  |

|  |  |
| --- | --- |
| **Surveyors:** | Occurrence Number:  |
| **EO Type:** [ ]  New EO [ ]  Update to Existing EO [ ]  Not EO Quality | Date: |
| **Peatland Type:** [ ]  Kettlehole Bog (D&A type 4) [ ]  Other non-kettlehole type adjacent? | Sourcecode: |
| Notes: |

|  |
| --- |
| **MAPPING** |
| **Mapped Polygon:** [ ]  **New** EO; new polygon [ ]  Existing EO; polygon **OK as is**  [ ]  Existing EO; polygon **improved**  |
| **Locational Uncertainty**: [ ]  Areal delimited [ ]  Mapped to within 12.5 m of actual location [ ]  Greater uncertainty \_\_\_\_\_\_\_\_ m / ft / km / miles |
| **Confidence Extent**: [ ]  Confident full extent of feature **IS** known [ ]  Confident full extent is **NOT** known [ ]  **Uncertain** if full extent is known |

|  |
| --- |
| **GENERAL DESCRIPTION** |
| **Vegetation Zonation:** (Use 2018 MNAP Natural Landscapes of Maine community types)[ ]  1 = four or more types (may include non-peat floating aquatic vegetation, e.g. *Nymphaea*, if present but not adjacent to upland forests) OR three types showing excellent zonation.[ ]  2 = two vegetation types, or three that do not show classic kettlehole zonation [ ]  3 = single vegetation type**Are both wet and dry kettles present? List vegetation types:** [ ]  Yes [ ]  No**Is open water present?** [ ]  Yes [ ]  No**If open water present, does it have floating aquatic** **vegetation?** [ ]  Yes [ ]  No |
| **Geological Setting:**[ ]  1 = Kettle(s) clearly associated with esker, kame terrace, outwash plain, or delta system AND (at least some of the kettles, if evaluating a complex) showing classic kettle morphology, i.e., steep-sided, deep, and circular or elliptical.[ ]  2 = Kettle(s) clearly associated with esker, kame terrace, outwash plain, or delta system OR (at least some of the kettles, if evaluating a complex) showing classic kettle morphology, i.e., steep-sided, deep, and circular or elliptical.[ ]  3 = Kettle(s) lacking classic form and not associated with ice-disintegration features. |
| **Aggregation:**[ ]  1 = Three or more kettleholes forming a complex, and showing variation in morphology and hydrology[ ]  2 = Two kettleholes, or more than two with similar morphology and hydrology[ ]  3 = Single kettlehole |
| **General Description:** |

|  |
| --- |
| **LANDOWNER INFORMATION** |
| Landowner name/address for entire ecosystem (attach additional owner information on a separate sheet): | Phone: | Comments:  |
| Tax map #: |
| Lot #: |

|  |
| --- |
| **ECOSYSTEM RANK** |
| 1. **QUALITY** based on the ratings for the above general description criteria.

**Quality Rank:**[ ]  **A** – Vegetation, geologic, and aggregation measures all score 1[ ]  **B –** Vegetation, geologic, and aggregation measures all score at least 2[ ]  **C –** One or two of the vegetation, geologic, or aggregation measures scores 3[ ]  **D** – All measures score 3, these generally would not be surveyed or ranked**Rank Comments:**  |
| 1. **CURRENT CONDITION** of area **within** the ecosystem.

**Condition Rank:**[ ]  **A** – No apparent signs of human disturbance (or long enough ago that effects are no longer visible or are extremely minor); community well-developed[ ]  **B** – Some signs of human disturbance or degradation, but peatland generally intact[ ]  **C** – Signs of human disturbance or degradation, and peatland compromised in some significant way[ ]  **D** – Highly disturbed (multiple impacts causing peatland to be drastically altered)**Rank Comments:**  |
| 1. **SIZE** of the ecosystem**.**

What is the approximate size of the peatland occurrence? \_\_ \_ [ ]  ac / [ ]  ha / [ ]  sq mi [ ]  Covers the natural extent of this ecosystem type [ ]  Has been truncated through adjacent land use**Size Rank:** [ ]  **A** – Excellent [ ]  **B** – Good [ ]  **C** – Fair [ ]  **D** – Poor **Rank Comments:**  |
| 1. **LANDSCAPE CONTEXT** of area **surrounding** the ecosystem.

**Landscape Context Rank** [ ]  **A** – Peatland surrounded by > = 1000 acres of undisturbed landscape [ ]  **B** – Peatland surrounded by fairly intact landscape, though there may be cuts nearby [ ]  **C** – Peatland surrounded by fragmented forest or rural landscape [ ]  **D** – Surrounding area developed**Rank Comments:**  |
|  **MNAP overall peatland rank**: **[ ]  A** – Excellent [ ]  **B** – Good [ ]  **C** – Fair [ ]  **D** – Poor **Rank Date:** **Describe rationale** (EO rank specs in MNAP element files; general EO rank specs for forests, etc.): |