KETTLEHOLE BOG ECOSYSTEM ELEMENT OCCURRENCE RANKING FORM

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

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| **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: | |

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| **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 |

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| **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:** |

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

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| **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.): |