**UPLANDS NATURAL COMMUNITY SURVEY**

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

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| **COMMUNITY TYPE:** | Occurrence Number: |
| **Surveyors:** | Date: |
| **EO Type:**  New EO  Update to Existing EO  Not EO Quality | Sourcecode: |

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| **LOCATION** (attach map showing location) | |
| **Coordinates**: | |
| **Directions to Occurrence**: | **Elevation**  Min ft / m  Max ft / m |
| **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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| **HABITAT DESCRIPTION** |
| **General Description of Community** *(if forest be sure to include if it is old growth and how you know):* |
| **Threats to Community?** |
| **Management/Protection Needs?** |
| **Other Comments (animal use, species distribution, etc.):** |

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

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| **VEGETATION DATA** | | | | | | | | | | | | | | |
| **TREE LAYER (canopy plus emergents, everything ≥ 10 cm DBH)** | | | | | | | | | | | | | | |
| TOTAL COVER OF STRATUM:  <5% 10% 20% 30% 40% 50% 60% 70% 80% 90+% | | | | | | | Total Basal Area:  ft2/acre | | Conifer %: | Canopy height \_\_\_\_\_\_\_ m or ft  Supercanopy spp? | | | | |
| Species name/code | Cover class\* | DBH range  in cm | | | | Core ages | Species name/code | | Cover class\* | DBH range  in cm | | | | Core ages |
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| **SAPLING/TALL SHRUB LAYER (> 3 m tall and < 10 cm DBH)** | | | | | | | | | | | | | | |
| TOTAL COVER OF STRATUM: <5% 10% 20% 30% 40% 50% 60% 70% 80% 90+% | | | | | | | | | | | | | | |
| Species name/code | | | Cover class\* | | | | Species name/code | | | | | Cover class\* | | |
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| **SHRUB LAYER** (woody plants ~1 – 3m tall) | | | | | | | | | | | | | | |
| TOTAL COVER OF STRATUM: <5% 10% 20% 30% 40% 50% 60% 70% 80% 90+% | | | | | | | | | | | | | | |
| Species name/code | | | | Cover class\* | | | | Species name/code | | | | | Cover class\* | |
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| **HERB/DWARF SHRUB LAYER** (all herbaceous vascular plants plus any woody plants < 1 m tall) | | | | | | | | | | | | | | |
| TOTAL COVER OF STRATUM:  <5% 10% 20% 30% 40% 50% 60% 70% 80% 90+% | | | | | | | | DOMINANCE: tree regen\_\_\_\_\_\_\_\_%; shrub\_\_\_\_\_\_\_%;  graminoid\_\_\_\_\_\_\_\_%; forb\_\_\_\_\_\_\_% | | | | | | |
| Species name/code | | | | Cover class\* | | | | Species name/code | | | Cover class\* | | | |
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| **BRYOID LAYER** (all ground-layer non-vascular plants; do not include epiphytes) | | | | | | | | | | | | | | |
| TOTAL COVER OF STRATUM:  <5% 10% 20% 30% 40% 50% 60% 70% 80% 90+% | | | | | | | | DOMINANCE: bryophytes\_\_\_\_\_\_\_\_\_% lichens \_\_\_\_\_\_\_\_% | | | | | | |
| Species name/code | | | | | Cover class\* | | | Species name/code | | | | | Cover class\* | |
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| **\*cover classes (midpoint):** < 2%= **1**, 2-5%= **3**, 6-12%= **9**, 13-24%= **19**, 25-49%= **37**, 50-74%= **63**, 75-100%= **87** | | | | | | | | | | | | | | |

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| ADDITIONAL SPECIES within area where vegetation cover by strata were taken | | | | | | OTHER PLANT SPP seen in community (spp codes), for complete plant species list |
| Stratum | Species code | Cover class | Stratum | Species code | Cover class |  |
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| **ENVIRONMENTAL SETTING** | | | | |
| SOILS (rooting zone):  Sample #\_\_\_\_ | | Aspect (true): | Slope: Include units! (45º = 100%)  measured  estimated | |
| Depth to which soil examined\_\_\_\_\_\_\_\_  Organic layer depth\_\_\_\_\_\_\_\_\_\_\_cm or  >1 m  Mineral layer below organic? \_\_\_\_\_\_\_depth\_\_\_\_\_\_\_\_  Mottling in top 30 cm?\_\_\_\_\_\_\_depth\_\_\_\_\_\_\_\_  Depth to water table: \_\_\_\_\_\_\_\_  Depth to obstruction: \_\_\_\_\_\_\_\_ nature of obstruction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Stoniness:  very little (<1%)/  moderate (2-25%)/  very (>25%)  pH: \_\_\_\_\_\_\_\_\_\_ measured in  soil or  interstitial water  Post decomposition (peat substrates only) \_\_\_\_\_\_ at \_\_\_\_\_\_\_\_ deep | | Hydrologic regime:  upland  nontidal wetland:  perm flooded  semi per flooded  seasonally fld.  saturated  tidal – irreg. fld.  tidal – reg. fld.  saltwater  brackish  freshwater  unknown | Habitat patchiness (describe zones or patches if present): | |
| Microtopography: | |
| Average Texture:  gravel  sand  loamy sand / sandy loam  loam  silt loam  clay loams  sandy clay / clay  peat  muck | Drainage & moisture regime  (see MAPPSS key):    very poorly drained  poorly drained  somewhat poorly drained  moderately well drained  well drained  somewhat excessively drained  excessively drained | Bedrock type:  Igneous  granite  dioritic  gabbroic  Metamorphic  slate/phyllite  schist/gneiss  Sedimentary  limestone  other  details? | Topographic position  D drainage channel  P low plain, level  N narrow valley  T toe of slope  L lower slope  M middle slope  T hillside terrace  U upper slope  E cliff/ledge  S ridge, summit, crest | Surficial deposit:  bedrock  talus slope  glacial till  moraine  esker/outwash  glacial delta  lacustrine/fluvial  marine  aeolian  other: |
| Comments: | | | | |

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| **COMMUNITY RANKING** | |
| 1. **CURRENT CONDITION** and **QUALITY** of the community.   Natural and anthropogenic disturbance **within** the community (check off, then describe extent and how recent below) | |
| Logging – most recently ~ \_\_\_\_\_\_\_ yrs ago  Agriculture / pasture  Fire  Wind or ice damage  Impoundment  Exotic plants | Animal effects (insect outbreaks, browsing)  Erosion  Dumping or Mining  ORV / vehicle disturbance  Trails / roads  Other, list |
| **Describe:**  **Current Condition Rank:**  **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 community generally intact.  **C** – Signs of human disturbance or degradation, community compromised in some significant way.  **D** – Highly disturbed (multiple impacts causing community to be drastically altered). | |
| **2. SIZE** of the community. | |
| What is the approximate size of the community occurrence? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ acres /  hectares /  sq mi | |
| Covers the natural extent of this community type Has been truncated through adjacent land use  **Comments:**  **Size Rank:  A** – Excellent  **B** – Good  **C** – Fair  **D** – Poor | |
| **3. LANDSCAPE CONTEXT** of the area surrounding the community (**500m buffer**).  **Describe**:  **Landscape Context Rank:**  **A** –Buffer with little to no human disturbance in the last 30 years (evident in aerial imagery), and invasive plants or other ecosystem stressors absent or if present will have no impact on natural community EO. (Calculated score > .95)  **B** –Buffer largely in natural condition, but may be crossed by roads, have areas with recent (<30 yr old) timber harvesting or other impacts to a small percentage of the area and invasive plants or other ecosystem stressors absent or if present will have little to no impact on natural community EO. (calculated score > .85 and < .95)  **C** –Buffer with limited development, intensive recent timber harvesting, agricultural use over some of the buffer area, roads and other impacts but most of the buffer area still in some form of natural/native cover type. Invasive plants or other ecosystem stressors present and may have some potential to impact natural community EO (calculated score > .67 and < .85)  **D** –Majority of buffer not in some form of natural/native cover type. Invasive plants or other ecosystem stressors are present with a high potential to impact condition of the natural community EO (calculated score <.67) | |
| **OVERALL RANK** for Community  **A** – Excellent  **B** – Good  **C** – Fair  **D** – Poor  **E** – Extant  based on your experience  Rank Date:  Comments: | |