

I. IDENTIFIERS / LOCATION

Site Name:		Obs. Pt. #:	Quadcode:
Field-assigned Community Type:		USGS 7.5' Quad Name:	
Identification or classification difficulties? Describe:		Town:	
MNAP REVIEWED/EDITED TYPE:		Occurrence #:	County:
LANDOWNER INFORMATION: <u>for each landowner</u>		Date:	
Map	Lot	Name (& address if new landowner)	
		Surveyors:	
		SourceCode: F _____	
		Biophysical Region:	

GPS Coordinates (NAD 83, UTM Zone 19N; Other-please specify)

Directions to occurrence:

Strongly recommend use of air photos and USGS topographic maps for relocation of the site on the ground.

FEATURE MAP. Please attach a map, preferably 1:24,000 scale topo map, showing the location of the observation. Locational uncertainty refers to any uncertainty there is as to where the actual observation occurred. Confidence extent indicates how confident you are that the observed area represents the full extent of the feature.

Locational Uncertainty:

Areal delimited

Mapped to within 12.5 m of actual location

Greater uncertainty (please indicate)

_____ 50 _____ m / ft / km / miles

Confidence Extent:

Y - Confident full extent of feature **IS** known

N - Confident full extent is **NOT** known

? - **Uncertain** whether full extent is known

GENERAL DESCRIPTION OF COMMUNITY(See instructions for guidelines):

<p>SAMPLE TYPE:</p> <p>____ Brief descriptive – NOT SUFFICIENT FOR DOCUMENTING NEW EOs</p> <p>____ Generalized cover estimates & dbhs (p2)</p> <p>____ Nested plot samples (N = _____) (attach)</p>	<p>Additional sampling recommended?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Photos: <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
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II. VEGETATION BY STRATA

Community name & EO#:

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: ft ² /acre	Conifer %:	Canopy height _____ m or ft Supercanopy spp?		
Species name/code	Cover class*	Dbh range <input type="checkbox"/> in <input type="checkbox"/> cm	Core ages	Species name/code	Cover class*	Dbh range <input type="checkbox"/> in <input type="checkbox"/> cm	Core ages	<input type="checkbox"/> check here if plot data are attached instead

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*	<input type="checkbox"/> check here if plot data are attached instead

SHRUB LAYER (woody plants ~1 - 3 m 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*	<input type="checkbox"/> check here if plot data are attached instead

HERB / DWARF SHRUB LAYER (all herbaceous vascular plants <u>plus</u> any woody plants < 1 m tall)				
TOTAL COVER OF STRATUM: <5% 10% 20% 30% 40% 50% 60% 70% 80% 90+%		DOMINANCE : tree regen__10__%; shrub__10__%; graminoid__0__%; forb__20__%		
Species name/code	Cover class*	Species name/code	Cover class*	<input type="checkbox"/> check here if plot data are attached instead

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*	<input type="checkbox"/> check here if plot data are attached instead

*cover classes (midpoint): < 2%= 1, 2-5%= 3, 6-12%= 9, 13-24%= 19, 25-49%= 37, 50-74%= 63, 75-100%= 87

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	

III. ENVIRONMENTAL SETTING

Community name & EO#:

<p>SOILS (rooting zone):</p> <p>Sample # _____</p> <p>Depth to which soil examined _____</p> <p>Organic layer depth _____ cm or <input type="checkbox"/> >1 m</p> <p>Mineral layer below organic? _____ depth _____</p> <p>Mottling in top 30 cm? _____ depth _____</p> <p>Depth to water table: _____</p> <p>Depth to obstruction: _____ nature of obstruction: _____</p> <p>Stoniness: <input type="checkbox"/> very little (<1%) / <input type="checkbox"/> moderate (2-25%) / <input type="checkbox"/> very (>25%)</p> <p>pH: _____ measured in <input type="checkbox"/> soil or <input type="checkbox"/> interstitial water</p> <p>vonPost decomposition (peat substrates only) _____ at _____ deep</p> <p>AVERAGE TEXTURE:</p> <input type="checkbox"/> gravel <input type="checkbox"/> sand <input type="checkbox"/> loamy sand / sandy loam <input type="checkbox"/> loam <input type="checkbox"/> silt loam <input type="checkbox"/> clay loams <input type="checkbox"/> sandy clay / clay <input type="checkbox"/> peat <input type="checkbox"/> muck	<p>ELEVATION:</p> <input type="checkbox"/> m or <input type="checkbox"/> ft?	<p>ASPECT (TRUE):</p>	<p>SLOPE : Include units! (45° = 100%)</p> <input type="checkbox"/> measured <input type="checkbox"/> estimated	
	<p>DRAINAGE & MOISTURE REGIME (see MAPPSS key):</p> <input type="checkbox"/> very poorly drained <input type="checkbox"/> poorly drained <input type="checkbox"/> somewhat poorly drained <input type="checkbox"/> moderately well drained <input type="checkbox"/> well drained <input type="checkbox"/> somewhat excessively drained <input type="checkbox"/> excessively drained	<p>HYDROLOGIC REGIME:</p> <input type="checkbox"/> upland <input type="checkbox"/> nontidal wetland: <input type="checkbox"/> perm flooded <input type="checkbox"/> semiper flooded <input type="checkbox"/> seasonally fld. <input type="checkbox"/> saturated <input type="checkbox"/> tidal – irreg. fld. <input type="checkbox"/> tidal – reg. fld. <input type="checkbox"/> saltwater <input type="checkbox"/> brackish <input type="checkbox"/> freshwater <input type="checkbox"/> unknown	<p>HABITAT PATCHINESS (describe zones or patches if present):</p> <p>MICROTOPOGRAPHY:</p>	
	<p>BEDROCK TYPE:</p> <input type="checkbox"/> Igneous <input type="checkbox"/> granite <input type="checkbox"/> dioritic <input type="checkbox"/> gabbroic <input type="checkbox"/> Metamorphic <input type="checkbox"/> slate/phyllite <input type="checkbox"/> schist/gneiss <input type="checkbox"/> Sedimentary <input type="checkbox"/> limestone <input type="checkbox"/> other details?	<p>TOPOGRAPHIC POSITION</p> <input type="checkbox"/> D drainage channel <input type="checkbox"/> P low plain, level <input type="checkbox"/> N narrow valley <input type="checkbox"/> T toe of slope <input type="checkbox"/> L lower slope <input type="checkbox"/> M middle slope <input type="checkbox"/> T hillside terrace <input type="checkbox"/> U upper slope <input type="checkbox"/> E cliff/ledge <input type="checkbox"/> S ridge, summit, crest	<p>SURFICIAL DEPOSIT:</p> <input type="checkbox"/> bedrock <input type="checkbox"/> talus slope <input type="checkbox"/> glacial till <input type="checkbox"/> moraine <input type="checkbox"/> esker/outwash <input type="checkbox"/> glacial delta <input type="checkbox"/> lacustrine/fluvial <input type="checkbox"/> marine <input type="checkbox"/> aeolian <input type="checkbox"/> other:	

<p>THREATS TO COMMUNITY?</p> <p>MANAGEMENT / PROTECTION NEEDS?</p> <p>OTHER COMMENTS: animal use, species distribution notes, etc.</p>

IV. SUMMARY AND RANKING

Community name & EO#:

Applicable National Type:	NVC CODE: CEGL00 _____	Comment re fit to type?
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COMMUNITY RANKING

1. CURRENT CONDITION and quality of the community itself.

- Comment on the species composition and biological structure of the community (species diversity, indicator species, development/maturity, etc.) For forests: Do you consider this to be old growth? If so, based on what?
- Natural and anthropogenic disturbance **within** the community (check off, then describe extent and how recent below)

<input type="checkbox"/> Logging – most recently c. _____ yrs ago	<input type="checkbox"/> Animal effects (insect outbreaks, browsing)
<input type="checkbox"/> Agriculture / pasture	<input type="checkbox"/> Erosion
<input type="checkbox"/> Fire	<input type="checkbox"/> Dumping or Mining
<input type="checkbox"/> Wind or ice damage	<input type="checkbox"/> ORV / vehicle disturbance
<input type="checkbox"/> Impoundment	<input type="checkbox"/> Trails / roads
<input type="checkbox"/> Exotic plants	<input type="checkbox"/> Other, list

List disturbance(s): to what degree have these altered natural ecological processes, and/or do they appear to effect the population?

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 / QUALITY:
 What is the approximate size of the community occurrence? _____ acres / hectares

Covers the natural extent of this community type Has been truncated through adjacent land use

Size / Quality Rank: **A** – Excellent **B** – Good **C** – Fair **D** – Poor

3. LANDSCAPE CONTEXT of the area surrounding the community:

What land uses and/or natural communities surround the observed area? Describe the types and extent of anthropogenic disturbance **around** the observed area, and to what degree this may affect the observed community. To what degree can the observed community be protected from effects of adjacent land uses?

A – Community surrounded by >= 1000 acres of undisturbed landscape.
 B – Community surrounded by fairly intact landscape, though there may be cuts nearby.
 C – Community surrounded by fragmented forest or rural landscape.
 D – Surrounding area developed.

OVERALL RANK for Community based on your experience **A** – Excellent **B** – Good **C** – Fair **D** – Poor **E** – Extant

Comments:

MNAP reviewed / verified rank **A** – Excellent **B** – Good **C** – Fair **D** – Poor **E** – Extant

Date: Reviewer: Rationale:

PART II (con't): VEGETATION DATA from PLOT SAMPLING (replacing spp lists on p. 2, in cases where plots are taken)

Community type:		EOnum:																		
LAYER	plot #																			
TREE list species and dbh for all trees >= 10 cm dbh; <i>count standing dead as 1 species.</i> note units: QUAD SIZE: note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!																				
DEADWOOD (use tree plot) LARGE: (≥ 10cm dia); measure length in plot & middle dia); LIST DOM. SPP (IF KNOWN) SMALL (< 10 cm diameter): 1: < 5% 2: 6-24% 3: 25%+																				
SAPLING cover class by species of: trees/shrubs > 3 m tall but < 10 cm dbh; PLOT SIZE: 2.8 m radius																				
SHRUB cover class by species of woodies > 1 m tall but < 3 m tall; PLOT SIZE: 2.8 m radius																				
HERB cover class ¹ by species for all herbaceous plants <u>plus</u> any woodies < 1 m tall QUAD SIZE: 1 m ² , 4 herb quads per tree plot. Enter individual cover values in right-hand columns Remember the zeros for spp present in some but not all herb quads.	<i>Species</i>						<i>Species</i>							<i>Species</i>						
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): ___ "moss"/"liverwort"/"lichen" only; ___ identified to major group ("peat mosses, broom mosses, feather mosses", etc.); ___ identified to genus; ___ identified to species.																				
REMARKS:																				

In box on p.3, list plant spp. present in the community but not in the sample plots so we have a complete species list.
 * cover classes (record midpoint): < 2 **1** 2-5% **3** 6-12% **9** 13-24% **19** 25-49% **37** 50-74% **63** 75-100% **87**

Please send completed form to: Information Manager, Maine Natural Areas Program, State House Station #93, Augusta, ME 04330