ECS Site Classification Worksheet

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Reason[1] **Stand Exam/Map/Other** **Site Code**[2]: ___ **Stand:** 34 **Acres:** ___ T 48 R 35 S 36

GPS Coordinates: Easting: 344771 **Northing:** 5272428

Lat: ___ **Long:** ___

Comments: Jakes school project

1. Map(ping) includes plots to create & verify mapping 2. your own reference code for the plot **Review Worksheet** ☐

Native Plant Community & Soil Summary

Main NPC[1]: FDc24a2 (8 char code)
NPC Inclusions: ___
Potential Crop Trees[2] **Present:** red pine, quaking aspen bur oak
Growth stage[1]: transition

Soil Map Unit[3]: 496C Androsia
Land Type Associaton[4]: 212 Na 07
Surface texture[5]: sandy loam
Drainage class: somewhat excessive
Operability rating[6]: WF>Sd>Fd>W>S

1. See NPC Field Guide. 2. See ECS tree suitability tables. 3. See SSURGO GIS cover; map unit symbol & name. 4. See LTA GIS cover.
5. e.g. sandy loam not medium 6. See ECS season of operability table

Soil Worksheet

Instructions: Dig/auger a soil pit 60" deep and draw soil profile in the sample box below. Indicate changes in soil texture and the depths at which they occur. **Top of the box (0) is the mineral soil surface for MH, FD & FF NPCs and the peat surface for WF, FP, & AP NPCs.** All depths measured in inches.

Landscape position: top/crest – side slope – toe – level – depression (circle one)
Slope(%) 1 **Aspect** N **Length of slope above in chains:** 1
Tot. Sample Depth: 73 **Depth to: gray mottles** — **gray matrix** — **standing water:** —
Semipermeable layer Depth: — **Type: hardpan, clayey texture, both** (circle one)
Humus type: mor – moder – mull – muck – moss peat (circle one) **Humus Thickness** (MH,FD,FF) 2

Example		Sample	
0"		0"	
sandy loam	10"	sandy loam	4
		sand	20
clay loam	16"	loamy sand	34
		coarse loamy sand	46
loam	60"	very coarse loamy sand	51

Comments & Notes: pH
very coarse loamy sand with lamellae 54"
coarse sand 73"

Native Plant Community Worksheet

Instructions: Locate a homogeneous portion of the stand. ***Along a 4-chain transect, record all of the plants that you can identify without moving more than a few steps off of the transect***. Record the species of overstory trees, understory trees & shrubs, and other plants in their appropriate life-form columns. ***At the end of the transect, stop to summarize for the whole community/stand*** the ***collective cover[1]*** of all plants in the life-form categories and the ***Abundance/Cover (A/C[2]) codes*** for the individual species of overstory trees, understory trees, and shrubs. Use this list to key out the site in the Field Guide.

Overstory trees (> 33 feet) collective cover[1]: 4	**A[2]/C[1]***	**Forbs, Ferns, & Fern Allies collective cover[1]: 3**	**Grasses, sedges & rushes collective cover[1]: 1**
red pine	D/4	large-leaved aster	mountain rice grass
paper birch	F/1	Canada mayflower	false melic grass
bur oak	F/1	wild sarsaparilla	Pennsylvanica sedge
northern pin oak	F/1	northern bedstraw	
northern red oak	R/1	bracken	
		early meadow-rue	
		wood anemone	
		sweet-scented bedstraw	
		pale vetchling	
		pink pyrola	
		round-lobed hepatica	
		yarrow	
Understory trees & Shrubs collective cover[1]: 5	**A[2]/C[1]***	dandelion	**Mosses & Lichens collective cover[1]: 1**
		veiny pea	
e.g. Red maple	C/2	dwarf raspberry	feather moss
red maple	C/2	columbine	
paper birch	C/2	blue giant hyssop	
bur oak	C/2	common strawberry	
northern red oak	F/1	pale bellwort	
quaking aspen	F/1	one-sided pyrola	
poison ivy	C/1	Maryland black snakeroot	**Additional plants or Plants collected/photographed**
prairie willow	F/1	Spinulose shield fern	
gray dogwood	F/1		
American hazel	A/3		
hawthorn	F/1		
snowberry	C/1		
lowbush blueberry	C/1		
chokecherry	F/1		
wintergreen	R/1		
wild honeysuckle	F/1		
prickly wild rose	F/1		
beaked hazel	C/2		
juneberries	F/1		
red raspberry	F/1		
downy arrowwood	R/1		
black cherry	R/1		pin cherry F/2

1. **Cover (C) Codes:** **1** = <5% cover, plants occurring as scattered individuals; **2** = 5-25% cover, plants in small patches or spreading individuals; **3** = 25-50% cover, plants in large patches/colonies or co-dominant trees; **4** = 50-75% cover, plants in extensive colonies/mats/interrupted canopy or co-dominant trees; **5** = >75% cover, plants forming continuous canopy/carpet or occurring as dominant trees.

2. **Abundance (A) Codes:** **R** = rare, nearly absent; **F** = few, scattered individuals, **C** = common; **A** = abundant, co-dominant; **D** = dominant.

* Estimate the abundance and cover of individual species using the combination of the abundance and cover codes above: ***e.g. enter "C/2" for a plant that is common in small patches that cover about 5-25% of the ground.***