WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Ourper: Alaska E A '' ''		ka-Susitna Borough Sampling Date: 03-Jul-13
Applicant/Owner: Alaska Energy Authority		Sampling Point: SW13_T125_04
	dform (hillside, terra	ce, hummocks etc.): Hillside
		0 ° Elevation: 513
Subregion : Southcentral Alaska Lat.: 62.9		Long.: -149.620169163 Datum: WGS84
Soil Map Unit Name:	301301131	NWI classification: PSS1B
Are climatic/hydrologic conditions on the site typical for this time of year?	Yes No	(If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly dis Are Vegetation , Soil , or Hydrology naturally proble SUMMARY OF FINDINGS - Attach site map showing sampling	turbed? Are "Itematic? (If ne	Normal Circumstances" present? Yes No eded, explain any answers in Remarks.)
Hydrophytic Vegetation Present? Yes ● No ○		
Hydric Soil Present? Yes No		npled Area
Wetland Hydrology Present? Yes ● No ○	within a W	/etland? Yes ◉ No ○
Remarks: photo time 15:45, #1149-1151		
VEGETATION - Use scientific names of plants. List all specie. Absolute D	s in the plot.	Dominance Test worksheet:
	pecies? Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1. Picea glauca1	FACU	Total Number of Dominant
2. Picea mariana 2	✓ FACW	Species Across All Strata: 5 (B)
3	<u> </u>	Percent of dominant Species
4		That Are OBL, FACW, or FAC: 80.0% (A/B)
5		Prevalence Index worksheet:
Total Cover: 3		Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50% of Total Cover: 1.5 20% of Total	otal Cover: 0.6	OBL Species x 1 =
1. Betula nana 10	FAC	FACW Species 13.1 x 2 = 26.20
2. Salix pulchra 2	FACW	FAC Species 61 x 3 = 183
3. Salix richardsonii 1	FACW	FACU Species 5 x 4 = 20
4. Vaccinium uliginosum 40	FAC	UPL Species
5. Spiraea stevenii 1	FACU	Column Totals: <u>80.1</u> (A) <u>230.2</u> (B)
6. Salix glauca 1	FAC	Prevalence Index = B/A =
7. Empetrum nigrum 5	FAC FAC	Trevalence mack - B/A - 2.074
8. Vaccinium oxycoccos 1	OBL	Hydrophytic Vegetation Indicators:
9. Picea glauca 3	FACU	✓ Dominance Test is > 50%
10. Picea mariana 7	FACW	✓ Prevalence Index is ≤3.0
Total Cover:71_ Herb Stratum 50% of Total Cover:35.5 20% of Total Cover:35.5	_	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1. Cornus suecica 2	FAC FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Equisetum sylvaticum 2	FAC FAC	¹ Indicators of hydric soil and wetland hydrology must
3. Trientalis europaea ssp. arctica 1	FAC	be present, unless disturbed or problematic.
4. Sanguisorba officinalis 1	FACW	Plot size (radius, or length x width)
5. <u>Viola epipsila</u> 6 0.1 0	FACW_	% Cover of Wetland Bryophytes
o	H —	(Where applicable)
	H —	% Bare Ground
8		Total Cover of Bryophytes
9	<u> </u>	Hadaaa katta
Total Cover: 6.1		Hydrophytic Vegetation
10001 007011	otal Cover: 1.22	Present? Yes • No •

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SOIL Sampling Point: SW13_T125_04

(inches)	Color (m	nist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4		Jist)	-70	Color (Illoist)	70	Туре	LUC	Hemic Organics	
4-10								Sapric Organics	-
10-12		4/2	100					Silt Loam	
12-18	2.51							Sapric Organics	buried organic layer
	2.57							Silt Loam	buried organic layer
18-20	2.5Y	4/2						SIIL LOGITI	
								-	
	-							P	-
Type: C=Con	centration. D	=Depletion	ı. RM=Reduce	ed Matrix ² Locatio	n: PL=Pore L	ining. RC=R	oot Char	nnel. M=Matrix	
lydric Soil Ir	ndicators:			Indicators for P	roblematic F	lydric Soils	3 :		
Histosol or	Histel (A1)			Alaska Color C	Change (TA4)	•		Alaska Gleyed Without H	lue 5Y or Redder
Histic Epip	edon (A2)			Alaska Alpine	, ,			Underlying Layer	
¬ ' '	Sulfide (A4)			Alaska Redox	With 2.5Y Hue	е	Ш	Other (Explain in Remar	ks)
_	Surface (A12	<u>'</u>)		³ One indicator of	f hydronhytic	vegetation o	one nrim	ary indicator of wetland I	hydrology
☐ Alaska Gle				and an appropria					nyarology,
☐ Alaska Red	lox (A14) yed Pores (A1	IE)		4 Give details of o	color change i	n Remarks			
	` `								
estrictive Laye	r (if present)								
Type:								Hydric Soil Present	:? Yes • No ·
Depth (inch	es):								
emarks:									
Depth (inch emarks: fusal at 20in (
emarks: ofusal at 20in ((cobbles)								
emarks: Ifusal at 20in (YDROLO Vetland Hydr	(cobbles) GY ology Indic								icators (two or more are required)
emarks: Ifusal at 20in (YDROLO Vetland Hydr Primary Indica	GY rology Indic		t)	To condition \	fizikle en Auri		07)	Water Sta	ined Leaves (B9)
YDROLO Yetland Hydrimary Indicat Surface W	GY rology Indictors (any one later (A1)		t)		Visible on Aeri			Water Sta	ined Leaves (B9) Patterns (B10)
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