## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): SLI, SCB Landform (hillsi Local relief (concave, convex, none): hummocky Slope: 0.0  Subregion: Interior Alaska Mountains Lat.: 62.709053874  Soil Map Unit Name:  Are climatic/hydrologic conditions on the site typical for this time of year? Yes  Are Vegetation , Soil , or Hydrology significantly disturbed?	Sampling Point: SW13_T102_02  ide, terrace, hummocks etc.): Terrace % / 0.0 ° Elevation: 895  Long.: -147.568796515 Datum: WGS84
Investigator(s): SLI, SCB Landform (hillsi Local relief (concave, convex, none): hummocky Slope: 0.0  Subregion: Interior Alaska Mountains Lat.: 62.709053874  Soil Map Unit Name:  Are climatic/hydrologic conditions on the site typical for this time of year? Yes	ide, terrace, hummocks etc.): Terrace % / 0.0 ° Elevation: 895
Local relief (concave, convex, none): <a href="https://hummocky">hummocky</a> Slope: 0.0  Subregion: Interior Alaska Mountains  Lat.: 62.709053874  Soil Map Unit Name:  Are climatic/hydrologic conditions on the site typical for this time of year?  Yes	% / 0.0 ° Elevation: 895
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Are climatic/hydrologic conditions on the site typical for this time of year?	NIMI classification, DOGAD
	NWI classification: PSS1B
Are Vegetation , Soil , or Hydrology naturally problematic?  SUMMARY OF FINDINGS - Attach site map showing sampling point le	Are "Normal Circumstances" present? Yes  No  (If needed, explain any answers in Remarks.)
Hydrophytic Vegetation Present? Yes  No  Is t	he Sampled Area
Hydric Soil Present?	hin a Wetland? Yes  No
Wetland Hydrology Present? Yes   No   With	inii a Wetianu:
Remarks: mesic betula community, transitional between wet willow-graminoid wetla  VEGETATION - Use scientific names of plants. List all species in the p	
	Indicator
Tree Stratum % Cover Species?  1. Picea glauca 1	Status Number of Dominant Species  That are OBL, FACW, or FAC: 2 (A)
	Total Number of Dominant
	Species Across All Strata: 3 (B)
3. 4.	Percent of dominant Species That Are OBL, FACW, or FAC: 66,7% (A/B)
5.	
Total Cover:	Prevalence Index worksheet:
Sapling/Shrub Stratum 50% of Total Cover: 0.5 20% of Total Cover:	Total % Cover of: Multiply by:  ORL Species 0 x 1 = 0
1. Betula glandulosa	FAC Species 7 x 2 = 14
2. Picea glauca 10	FACU FAC Species 73.1 x 3 = 219.3 FACU Species 11 x 4 = 44
3. Vaccinium uliginosum 10 4. Salix pulchra 5	LIDI O
	FACIL
	FACW Column Totals: 91.1 (A) 277.3 (E
6. Vaccinium vitis-idaea 1	$\frac{\text{FAC}}{\text{FAC}} \qquad \qquad \text{Prevalence Index = B/A = } 3.044$
7. Empetrum nigrum 0.1 0.1 0 0.1	FAC STOCKHOOL MACK SIX SOUTH
	Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50%
	Prevalence Index is ≤ 3.0
Total Cover: 57.1	
Herb Stratum 50% of Total Cover: 28.55 20% of Total Cover:	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
1. Calamagrostis canadensis 23	FAC Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Equisetum arvense 5 3 Equisetum sylvaticum 2	FAC 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Cornus quesias	FAC be present, unless disturbed or problematic.
- Completed and	FAC Plot size (radius, or length x width) 10m
a. Detecites frieidus	FACW (Where applicable) % Cover of Wetland Bryophytes
6. Petasites ingidus	(Where applicable)
8	% Bare Ground
9	
10.	Hydrophytic
Total Cover: 33	Vegetation
50% of Total Cover: 16.5 20% of Total Cover:	6.6 Present? Yes No

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SOIL Sampling Point: SW13\_T102\_02

		Matrix				ox Featu		. 2	_ Texture	Damanka
(inches)	Color (m	oist)	<u>%</u>	Color (m	oist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Fibric Organics	Remarks
									Hemic Organics	
2-5	10)(D			10/0					-	
5-10	10YR	3/2		10YR	3/4	15	C	PL	Sandy Clay Loam	5% ox rhiz around living roots
10-18	5Y	4/2		7.5YR	4/4	20	C	PL	Clay	= 20% 2.5Y4/3C/PL, many subrnd fi gr-col
		=Depletior	ı. RM=Reduc						annel. M=Matrix	
lydric Soil I					ors for Pro		4	oils:	7 <u>.</u>	
_	Histel (A1)				ca Color Cha ca Alpine sv		-		Alaska Gleyed Without I Underlying Layer	Hue 5Y or Redder
= ' '	edon (A2)				ka Alpine sv ka Redox W	•	•		Other (Explain in Remai	·ks)
_ , ,	Sulfide (A4) Surface (A12	))		□ Alasi	a Redux W	101 2.51 1	iue		_ care: (Explain iii ricinal	)
□ Thick Dari □ Alaska Gle	`	<u>(1)</u>							mary indicator of wetland	hydrology,
Alaska Gle				and an	appropriate	e landscap	e position r	nust be pre	esent	
_	yed Pores (A	.5)		4 Give d	etails of co	lor change	e in Remark	s		
	r (if present)									
Type: clay									Hydric Soil Presen	t? Yes • No O
Depth (inch									,	
emarks:	compacted									
emarks: 0-18in layer is	compacted									
emarks: 0-18in layer is YDROLO	GY									
emarks: 0-18in layer is YDROLO Vetland Hyd	GY rology Indic		+)							licators (two or more are required)
emarks: 0-18in layer is  YDROLO  /etland Hyd	GY rology Indic tors (any one		t)		undation Vi	sible on Δ	prial Image	ry (87)	Water Sta	nined Leaves (B9)
YDROLO //etland Hyd Primary Indica Surface W	GY rology Indic tors (any one /ater (A1)		it)		undation Vis				Water Sta	nined Leaves (B9) Patterns (B10)
YDROLO //etland Hyd Primary Indica Surface W	GY rology Indic tors (any one /ater (A1) er Table (A2)		ıt)	☐ Sp	arsely Vege	tated Con			☐ Water Sta ☐ Drainage ☑ Oxidized	nined Leaves (B9)
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