WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority				Sampling Point: SW12_T54_06			
nvestigator(s): SLI. KMK		Landform (hill	side, terrac	e, hummocks etc.): Swale			
ocal relief (concave, convex, none): concave		Slope:	%/ 5.6	* Elevation: 743			
	at · A	62.834826588		Long.: -149.155015707 Datum: NAD83			
coll Map Unit Name:	_	52.004020000					
•			• No ()	NWI classification: Upland			
Are Vegetation , Soil , or Hydrology , natura	cantly	v disturbed? oblematic?	Are "N (If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes No		ls	the Sam	nled Area			
Hydric Soil Present? Yes \bigcirc No \bigcirc		Is the Sampled Area within a Wetland? Yes \bigcirc No \odot					
<u>Wetland Hydrology Present?</u> Yes O No ● Remarks: small swale, seperated from pond by talus blocks and t							
/EGETATION - Use scientific names of plants. List all		cies in the Dominant Species?		Dominance Test worksheet: Number of Dominant Species			
Tree Stratum % C	0		Status	That are OBL, FACW, or FAC: <u>5</u> (A)			
2.				Total Number of Dominant			
3.	0			Species Across All Strata:5_ (B)			
	0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
5	0						
Total Cover:	0			Prevalence Index worksheet:			
		of Total Cover:	0	Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover: 0	2070			OBL Species $0 \times 1 = 0$			
1. Empetrum nigrum	5		FAC	FACW Species 12 x 2 = 24			
2. Salix fuscescens	10		FACW	FAC Species 39 $\times 3 = 117$			
3. Vaccinium uliginosum	3		FAC	FACU Species 4.1 x 4 = 16.4			
4. Betula nana	5		FAC	UPL Species <u>1</u> x 5 = <u>5</u>			
5	0			Column Totals: <u>56.1</u> (A) <u>162.4</u> (B)			
6	0			Prevalence Index = B/A = 2.895			
7	0						
8 9.	0			Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%			
9 10	0			✓ Prevalence Index is ≤ 3.0			
	23						
Herb Stratum 50% of Total Cover: 11.5		of Total Cover	4.6	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
1. Festuca altaica	15	\checkmark	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
2. Rubus arcticus	3		FAC	¹ Indicators of hydric soil and wetland hydrology must			
3. Viola adunca	3		FAC	be present, unless disturbed or problematic.			
4. Diphasiastrum alpinum	3		FACU	Plot size (radius, or length x width) 2x 5m			
5. Luzula multiflora	1		FACU	Plot size (radius, or length x width) <u>2x 5m</u> % Cover of Wetland Bryophytes			
6. Carex canescens	1		FACW	(Where applicable)			
7. Carex bigelowii	5		FAC	% Bare Ground _5			
8. Artemisia frigida	1		UPL	Total Cover of Bryophytes 6			
9. Carex eburnea	0.1		FACU				
10. Rubus chamaemorus	1		FACW	Hydrophytic			
Total Cover: <u>3</u> 50% of Total Cover: <u>16.55</u>	<u>3.1</u> 20%	of Total Cover:	6.62	Vegetation Present? Yes • No O			

Remarks: artfri as collected today. trace gentiana glauca.

Depth (inches)		Matrix		Re	dox Features		_		
(inches) Color (moist) %		%	Color (moist)	% Type	1 <u>Loc</u> ²	Texture	Remarks		
0-2			100				Hemic Organics	w fine sand lens in upper cm, 7.5YR4/1	
2-4.5			100				Sapric Organics		
4.5-6	7.5YR	3/3	100				Fine Sand		
6-18	7.5YR	4/4	100				Silty Sand		
·							- <u>.</u>		
¹ Type: C=Concer	ntration. D=	Depletion.	RM=Reduc	ed Matrix ² Locatio	n: PL=Pore Lining	. RC=Root Cha	annel. M=Matrix		
Hydric Soil Indi	cators:			Indicators for P	oblematic Hydri	c Soils: ³			
Histosol or Histel (A1)				Alaska Color C	hange (TA4) ⁴		Alaska Gleyed Without Hue 5Y or Redder Underlying Layer		
Histic Epipedon (A2)				Alaska Alpine	swales (TA5)				
Hydrogen Sulf	fide (A4)			Alaska Redox	With 2.5Y Hue		Other (Explain in Remarl	ട)	
Thick Dark Su	urface (A12))		3 One indicator of	bydrophytic voget	ation one prir	mary indicator of wetland h	wdrology	
Alaska Gleyed					te landscape positi			ya oogy,	
Alaska Redox				⁴ Give details of c	olor change in Ren	narks			
Alaska Gleyed	Pores (A1	5)			olor change in ten				
Restrictive Layer (i	if present):								
Type:							Hydric Soil Present	? Yes 🔾 No 🖲	
Depth (inches)):								
Remarks:									
no hydric soil indic	ators								
	Y								
IYDROLOG									
	ogy Indica	tors:					Secondary Indi	cators (two or more are required)	
								cators (two or more are required) ned Leaves (B9)	
Wetland Hydrold	s (any one i		1	Inundation \	isible on Aerial Im	agery (B7)	Water Stai		
Wetland Hydrold	s (any one i er (A1)		1		'isible on Aerial Im Jetated Concave Su	5, ()	Water Stai	ned Leaves (B9)	
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Wetland Hydrold Primary Indicators Surface Wate High Water T Saturation (A Water Marks	s <u>(any one i</u> er (A1) Fable (A2) A3) (B1)		I	Sparsely Veg	jetated Concave Su s (B15)	5, ()	Water Stai	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5)	
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Remarks:

no wetland hydrology indicators