WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner:	Alaaka Enaray Au								
	Alaska Energy Au	thority				Sampling Point: S	W15_T304_06		
nvestigator(s):	BAB	,		Landform (hi	llside, terrac	e, hummocks etc.): Hillside			
ocal relief (conc	ave, convex, none):	hummocky		Slope: 10.	5 % / 6.0) ° Elevation:			
Subregion : Inte	rior Alaska Mountains		Lat.:				Datum: WGS84		
oil Map Unit Nan		3	_			NWI classification: PFO4			
·	-			0 V	• No O		<u> </u>		
Are Vegetation Are Vegetation	☐ , Soil ☐	, or Hydrology , or Hydrology	significant naturally p	ly disturbed?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes eded, explain any answers in Remarks. s, transects, important features,)		
Hydrophyt	ic Vegetation Presen	t? Yes ● 1	10 O						
Hydric Soi	•		1o O	Is the Sampled Area					
•	lydrology Present?		10 O	within a Wetland? Yes ● No ○					
Remarks:	iyurology Present?	163 🔾 1	10						
/EGETATION	l -Use scientific r	names of plant	<u>.</u>			Dominance Test worksheet:			
Tree Stratum			Absolute % Cover		Indicator Status	Number of Dominant Species			
1. Picea ma	– riana		30	✓	FACW	That are OBL, FACW, or FAC:	6(A)		
2.						Total Number of Dominant Species Across All Strata:	6 (B)		
3.						Percent of dominant Species	(2)		
4.							100.0% (A/B)		
5.						Prevalence Index worksheet:			
		Total C	over: 30			Total % Cover of: Multiply	/ bv:		
Sapling/Shrub	Stratum	50% of Total Cover:	<u>15</u> 20%	6 of Total Cove	r: <u>6</u>	OBL Species 0 x 1 =	•		
1 Vacciniur	a uliginagum		20	✓	FAC	FACW Species 59 x 2 =			
Vacciniun Betula gla	n uliginosum			V	FAC	FAC Species 73 x 3 =			
	a vitia idaga				FAC	FACU Species 0 x 4 =			
4. Picea ma					FACW	UPL Species 0 x 5 =			
	ndron tomentosum				FACW				
6. Empetrun					FAC	Column Totals: 132 (A)	<u>337</u> (B)		
7.	graiii				17.0	Prevalence Index = B/A =	2.553		
8.						Hydrophytic Vegetation Indicators:			
^						✓ Dominance Test is > 50%			
						✓ Prevalence Index is ≤3.0			
Herb Stratum		Total C 50% of Total Cover		- % of Total Cove	er: 10.6	Morphological Adaptations (Provide Remarks or on a separate sheet)	supporting data in		
1. Carex big	elowii			✓	FAC	Problematic Hydrophytic Vegetation	` ' '		
2. Petasites	frigidus		15	✓	FACW	¹ Indicators of hydric soil and wetland hyd			
 Equisetur 	n sylvaticum		10	<u>~</u>	FAC	be present, unless disturbed or problema	dc.		
4. Rubus ch	amaemorus				FACW	Plot size (radius, or length x width)	_10m		
5						% Cover of Wetland Bryophytes			
						(Where applicable)			
						% Bare Ground	_5		
						Total Cover of Bryophytes	_50		
			_						
10						Hydrophytic			
		Total C	Vegetation Present? Yes ● No ○						
	ttered carbig tussock	50% of Total Cover:		o or rotal cover	r: <u>9.8</u>	1.135.11.			

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SOIL Sampling Point: SW15_T304_06

										10 51715_1504_00		
	ion: (Describe to t	the depth nee Matrix	ded to docum	ent the ind		firm the ab ox Featu		cators)				
Depth (inches)	Color (moi		%	Color (m		%	Type ¹	_Loc_2	Texture	Remarks		
0-5									Peat			
5-6.5									Mucky Peat			
6.5-8									Muck			
8-9	7.5YR	4/4	100						Silty Clay Loam			
9-15	N	4/1	95	7.5YR	4/2	5	С	PL	Silty Clay Loam			
¹Type: C=Cor	ncentration. D=	Depletion. I	RM=Reduce	ed Matrix	² Location:	PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicat	ors for Pro	blemati	c Hydric So	oils: ³				
Histosol or	r Histel (A1)			Alasl	ka Color Cha	ange (TA	4) ⁴	✓	Alaska Gleyed Without Hu	ue 5Y or Redder		
✓ Histic Epip						Alaska Alpine swales (TA5)				Underlying Layer		
Hydrogen	Sulfide (A4)			Alaska Redox With 2.5Y Hue					Other (Explain in Remarks)			
Thick Dark	c Surface (A12)			3 ∩no ir	ndicator of h	ovdronhví	tic vegetatio	n one prim	nary indicator of wetland h	vdrology		
Alaska Gle					appropriate					yurology,		
Alaska Red	` '	-\		4 Give d	letails of col	or chang	e in Remark	(S				
Alaska Gle	eyed Pores (A15	·)										
Restrictive Laye	er (if present):											
Type: silty	•								Hydric Soil Present?	? Yes ⊙ No O		
Depth (inch	nes): ४											
Remarks:												
HYDROLO		_										
Wetland Hydi										cators (two or more are required)		
	tors (any one is	<u>s Sumcient)</u>			\ (; \ (; .		: T	(DZ)		ned Leaves (B9) atterns (B10)		
	Surface Water (A1)						erial Image ncave Surfa			nizospheres along Living Roots (C3)		
	☐ High Water Table (A2) ✓ Saturation (A3)				arsely vegel arl Deposits		icave Suria	Le (Bo)		f Reduced Iron (C4)		
Water Ma	,			Hydrogen Sulfide Odor (C1)					Salt Deposi	` '		
	Deposits (B2)				y-Season W					Stressed Plants (D1)		
Drift Depo	, ,				her (Explain					c Position (D2)		
	or Crust (B4)				(=				✓ Shallow Aq	, ,		
☐ Iron Depo	osits (B5)								Microtopog	raphic Relief (D4)		
Surface So	oil Cracks (B6)								✓ FAC-neutra	l Test (D5)		
Field Observa	ations:											
Surface Water	r Present?	Yes O		De	epth (inches):						
Water Table P	Present?	Yes 💿	No 🔾	De	epth (inches): 15		Wetlar	nd Hydrology Present	t? Yes 💿 No 🔾		
Saturation Pre (includes capil		Yes	No	De	epth (inches): 6						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:												
Remarks:												
D3silty clay lo	oam											

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