WETLAND DETERMINATION DATA FORM - Alaska Region

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Applica	nt/Owner: _Alaska Energy Authority				Sampling Point: SW12_T29_13		
nvesti	gator(s): SLI, EKJ		Landform (hill	side, terrac	e, hummocks etc.): Valley bottom		
_ocal r	elief (concave, convex, none): undulating		Slope: 12.2	%/ 7.0	Control Sector Secto		
Subrec	ION Southcentral Alaska	lat í			 Long : _148 81315007		
			52.7005055500	2			
Are clin Are V Are V Are V	natic/hydrologic conditions on the site typical for this t egetation , Soil , or Hydrology egetation , Soil , or Hydrology IARY OF FINDINGS - Attach site map sho	ime of year significantly naturally pro wing sam	disturbed? oblematic?	Are "No Are "No (If nee locations	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s. transects. important features. etc.		
			p		,,,,,,,		
	Hydrophytic Vegetation Present? Fes V No	the Sam	pled Area				
	Hydric Soil Present? Yes V No (wi	thin a W	Vetland? Yes \bigcirc No \bigcirc		
	Wetland Hydrology Present? Yes • No)					
Rem	arks: characterizing alder thicket interlaced with see and uplands. see SW12_T29_V12 for description through community vielded 47 wetland/water : TATION - Use scientific names of plants. L	ps, drainage on and phote and 74 unlar ist all spe	eways, and str os of R3UB str od noints cies in the	eams. as a ream, and S plot.	whole, this community is a mosaic of wetlands, waters, SW12_T29_14 for wetland seep. multiple transects		
		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree	e Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)		
1.		0			Total Number of Dominant		
2.		0			Species Across All Strata:3_ (B)		
3.		0			Percent of dominant Species		
4.		0			That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)		
5.		0			Prevalence Index worksheet:		
	Total Cover	r:			Total % Cover of: Multiply by:		
Sap	ling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species x 1 =		
1.	Alnus viridis ssp. crispa	70	\checkmark	FAC	FACW Species <u>3</u> x 2 = <u>6</u>		
2.	Ribes glandulosum	1		FACU	FAC Species x 3 =		
3.	U	0			FACU Species68 x 4 =272		
4.		0			UPL Species x 5 =		
5.		0			Column Totals: 146 (A) 503 (B)		
6.		0					
7.		0			Prevalence Index = B/A = <u>3.445</u>		
8.		0					
9.		0			Dominance Test is > 50%		
10.		0			Prevalence Index is ≤3.0		
Her	Total Cover <u>b Stratum</u> 50% of Total Cover:	71 <u>71</u> 35.5 20%	of Total Cover	: 14.2	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
1.	Gymnocarpium dryopteris	_40	\checkmark	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
2.	Dryopteris expansa	5		FACU	¹ Indicators of hydric soil and wetland hydrology must		
3.	Streptopus amplexifolius	5		FACU	be present, unless disturbed or problematic.		
4.	Phegopteris connectilis	15	\checkmark	FACU	Plot size (radius or length x width)		
5.	Calamagrostis canadensis	1		FAC	% Cover of Wetland Bryonbytes		
6.	Heracleum maximum	1		FACU	(Where applicable)		
7.	Adoxa moschatellina	1		FAC	% Bare Ground80		
8.	Thalictrum sparsiflorum	1		FACU	Total Cover of Bryophytes 15		
9.	Equisetum pratense	3		FACW			
10.	Corydalis pauciflora	3		FAC	Hydrophytic		
11	Total Cover				Veretation		
	Total Cover	· <u>/5</u>					

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Matrix Redox Features											
Depth (inches)			NC		% Tuna ¹		Lec ²	Texture	Remarks		
0-2		15()	-70		-70	Туре	LOC	Fibric Organics			
2-4								Hemic Organics	with 5% wood debris		
4-10								Sapric Organics	5% wood min coil inclusions in lower 2in		
10.12	10VD	2/4						Sandy Loam			
	101K	3/4	90						10% subangular gravels		
12-15								Coarse Sand	subangular coarse gravels to cobbles		
							-				
	. <u> </u>							-			
¹ Type: C=Cor	ncentration. D=	Depletion	RM=Redu	ced Matrix ² Location	: PL=Por	e Lining. RC	C=Root Cha	nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pro	oblemati	c Hydric S	oils: ³				
Histosol or	r Histel (A1)			🗌 Alaska Color Ch	ange (TA	4) 4)] Alaska Gleyed Without H	ue 5Y or Redder		
Histic Epip	edon (A2)			Alaska Alpine s	wales (TAS	5)	_	Underlying Layer			
Hydrogen	Sulfide (A4)			Alaska Redox V	Vith 2.5Y H	lue		Other (Explain in Remarl	ଓ)		
Thick Dark	c Surface (A12)			3 One indicator of	hydrophyt	ic vegetatic	n one prin	nany indicator of wotland h	wdrology		
Alaska Gle	eyed (A13)			and an appropriat	e landscap	be position i	nust be pre	esent	iyu ology,		
Alaska Red	dox (A14)			⁴ Give details of co	olor chang	e in Remark	s				
🔛 Alaska Gle	eyed Pores (A15	5)									
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes 🔾 No 🖲		
Depth (inches):											
Remarks:											
chroma of unde	erlying mineral	soils too h	igh to mee	t A2 or A3, no other h	ydric soil o	criteria appl	у.				
HYDROLO	GY										
Wetland Hyd	rology Indica	tors:						Secondary Indi	cators (two or more are required)		
Primary Indica	tors (any one i	s sufficient	:)					Water Stai	ned Leaves (B9)		
Surface W	/ater (A1)			Inundation Vi	sible on A	erial Image	ry (B7)	Drainage Patterns (B10)			
High Wate	er Table (A2)			Sparsely Vege	etated Cor	ncave Surfa	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)		
Saturation	n (A3)			Marl Deposits	s (B15)				of Reduced Iron (C4)		
Water Ma	rks (B1)			Hydrogen Sul	fide Odor	(C1)		Salt Depos	its (C5)		
Sediment	Deposits (B2)			Dry-Season V	Vater Tabl	e (C2)		Stuffied of Stressed Plants (D1) Geomorphic Position (D2)			
	or Cruct (B4)			U Other (Explai	n in Rema	rks)			ic Position (D2)		
	or Crust (D4)							Microtopographic Relief (D4)			
Surface S	oil Cracks (B6)							FAC-neutra	al Test (D5)		
Field Observa	ations:										
Surface Water	r Present?	Yes C	No 🖲	Depth (inche	s):						
Water Table P	Present?	Yes 🤆		Depth (inche	s), 12		Wetla	nd Hydrology Presen	t? Yes 🖲 No 🔾		
Saturation Pre	esent?	V (<i>.</i>			,			
(includes capi	llary fringe)	Yes 🖲		Depth (inche	s): 12						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											