WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroele	ctric Project	E	Borough/City:	Denali Bo	orough Sampling Date: 01-Aug-13		
Applica	int/Owner: Alaska Energy Autho	ritv				Sampling Point: SW13_T145_10		
nvestig	gator(s): SLI, EAC			Landform (hillside, terrace, hummocks etc.): Hillside				
		lat		Slope:	% /	° Elevation: 734		
Subreq	ion: Interior Alaska Mountains		Lat.:	63.39828896	 5	Long.: -148.653726816 Datum: WGS84		
	p Unit Name:			NWI classification: Upland				
Are V	egetation , Soil , or	Hydrology S	significantl naturally p	y disturbed? roblematic?	(If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes eded, explain any answers in Remarks.) s, transects, important features, etc.		
	Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? arks: aspen stand on southern asp	Yes No No Yes No Yes No Pect steep bluff.)		the Sam ithin a W	apled Area Vetland? Yes ○ No ●		
/EGE	TATION - Use scientific nan	nes of plants. Li	st all spe	ecies in the	plot.			
			Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree	e Stratum_		% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)		
1.	Populus tremuloides		30	✓	FACU	That are OBL, FACW, or FAC: (A) 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: 66.7% (A/B)		
5. Sapi	ling/Shrub Stratum 50%	Total Covers		☐ S of Total Cover	 : <u>6</u>	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species 0 x 1 = 0		
-	Vaccinium uliginasum		50	✓	FAC	FACW Species 0 x 2 = 0		
	Potulo glandulosa		1		FAC	FAC Species 51.3 x 3 = 153.9		
	Danish a transmistra		1		FACU	FACU Species 31 x 4 = 124		
4.	Manadado and distribution of		0.1		FAC	UPL Species 0 x 5 = 0		
5.			0.1		FAC	Column Totals: <u>82.3</u> (A) <u>277.9</u> (B)		
6.			0					
7.			0			Prevalence Index = B/A = 3.377		
8.			0			Hydrophytic Vegetation Indicators:		
						✓ Dominance Test is > 50%		
10.			0 =52.2			Prevalence Index is ≤3.0		
		Total Cover: % of Total Cover:		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
				✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)		
3.			0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
4.						Plot size (radius, or length x width)		
						% Cover of Wetland Bryophytes		
5.						(Where applicable)		
5. 6.			0					
5. 6. 7.						% Bare Ground		
5. 6. 7. 8.			0			Total Cover of Bryophytes		
5. 6. 7. 8. 9.			0			Total Cover of Bryophytes		
5. 6. 7. 8. 9.			0 0					

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SOIL Sampling Point: SW13_T145_10

		the depth ne	eded to docu	ment the indicator or co	onfirm the ab		cators)				
Depth Color (mo		oist)	%	Color (moist)		Type ¹	Loc ²	- Texture	Remarks		
0-3				COIOI (IIIOISC)		.,,,,		rooted organics			
3-10	10YR	3/4	100					Loam	w 80% angular cg-cobbles, ash.		
								-			
					_						
¹Type: C=Cor	ncentration. D	=Depletion.	RM=Reduc	ed Matrix ² Locatio	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix			
Hydric Soil Indicators: Indicators for Problematic Hydric Soils: 3											
Histosol or	r Histel (A1)			Alaska Color C	hange (TA	4) ⁴		Alaska Gleyed Without Hue 5Y or Redder			
Histic Epip	edon (A2)			Alaska Alpine	swales (TA	5)		Underlying Layer			
Hydrogen	Sulfide (A4)			Alaska Redox	With 2.5Y H	lue		Other (Explain in Remarks)			
☐ Thick Darl	c Surface (A12)		2.5							
Alaska Gle	eyed (A13)			One indicator of and an appropria				nary indicator of wetland hesent	nydrology,		
Alaska Red	dox (A14)					•	•				
Alaska Gle	eyed Pores (A1	5)		⁴ Give details of o	color chang	e in Remark	(S				
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes ○ No •		
Depth (inch	nes):										
HYDROLO	GY										
Wetland Hyd	rology Indica	ators:						Secondary Indi	cators (two or more are required)		
Primary Indica	tors (any one	is sufficient	:)					Water Stained Leaves (B9)			
Surface W	Vater (A1)			Inundation \	/isible on A	erial Image	ry (B7)				
High Water Table (A2)				Sparsely Veg	getated Cor	ncave Surfa	ce (B8)	Oxidized Rhizospheres along Living Roots (C3)			
Saturation (A3)				Marl Deposit	s (B15)				of Reduced Iron (C4)		
Water Marks (B1)				Hydrogen Sı	ılfide Odor	(C1)		Salt Depos			
Sediment Deposits (B2) Dry-Season Water Table (C2)									Stressed Plants (D1)		
☐ Drift Depo				Uther (Expla	in in Rema	rks)			ic Position (D2)		
	or Crust (B4)								quitard (D3)		
☐ Iron Depo						graphic Relief (D4)					
	oil Cracks (B6)	1						☐ FAC-neutra	al Test (D5)		
Field Observa		Voc C	No •	Danth (in th	\-						
Surface Water				Depth (inch	es):						
Water Table F		Yes \subseteq	No 💿	Depth (inch	es):		Wetla	nd Hydrology Presen	t? Yes O No 🖲		
Saturation Pre (includes capi		Yes C	No 💿	Depth (inch	es):						
Describe Recor	ded Data (stre	eam gauge,	monitor we	ll, aerial photos, pre	vious inspe	ection) if ava	ailable:				
Domarilia											
Remarks:	drology india-t	orc									
no wetland hyd	arology indicat	UIS									

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