WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroele	ctric Project	ı	Borough/City:	Denali Bo	orough Sampling Date: 05-Aug-13				
Applica	ant/Owner: Alaska Energy Author	Sampling Point: SW13_T201_10								
	igator(s): SLI, EAC	,	ce, hummocks etc.): Footslope							
		ummocky		Slope:		6° Elevation: 678				
	gion : Interior Alaska Mountains	ummooky	l at :	· · —						
			Lat	03.30013037						
	ap Unit Name:			2 V	No ○	NWI classification: PSS1B				
Are \	/egetation ☐ , Soil ☐ , or	Hydrology Hydrology	significant naturally p	ly disturbed? roblematic?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.				
	Hydrophytic Vegetation Present?	Yes No			41 0	uslant Assa				
	Hydric Soil Present?	Yes No	\supset	Is the Sampled Area						
	Wetland Hydrology Present?	Yes No	\supset	W	within a Wetland? Yes ● No ○					
	arks: undisturbed forest adjacent to ETATION -Use scientific nan		ist all sp	ecies in the	plot.					
			Absolute			Dominance Test worksheet:				
	ee Stratum		% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: (A)				
	Picea glauca				FACU	Total Number of Dominant				
2.						Species Across All Strata: 7 (B)				
3. 4.			0			Percent of dominant Species That Are OBL, FACW, or FAC: 85.7% (A/B)				
5.				- Н						
J.		Total Cove		. 🗀		Prevalence Index worksheet:				
625	oling/Shrub Stratum 50%	of Total Cover:		- 6 of Total Cover	: 3	Total % Cover of: Multiply by:				
Sap	Sing/Shrub Stratum 50%	or rotal cover.	7.5 207	o or rotal cover		OBL Species x 1 =				
1.	Picea glauca		5	. 📙	FACU	FACW Species 22 x 2 = 44				
2.	-				FAC	FACUS paging 22 x 3 = 234.6				
3.	Vaccinium vitis-idaea			. 🗀	FAC	FACU Species 20 x 4 = 80 UPL Species 0 x 5 = 0				
4.	Vaccinium uliginosum				FAC					
5.	Empetrum nigrum			- _	FAC	Column Totals: <u>127.2</u> (A) <u>365.6</u> (B)				
6.	Rhododendron tomentosum		- <u>7</u>		FACW	Prevalence Index = B/A =2.874_				
7.	Salix barclayi				FACIA					
8.	Salix pulchra			-	FACW	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%				
9.			0	·						
10.		Total Cove		. \square		✓ Prevalence Index is ≤3.0				
Her	rb Stratum_ 50%	6 of Total Cover:		% of Total Cove	r: 18.4	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)				
1.	Detecites frieidus		7	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)				
2.	Calama annatia anna danaia				FAC	¹ Indicators of hydric soil and wetland hydrology must				
3.	Arotograptic lotifolic			✓	FACW	be present, unless disturbed or problematic.				
4.	Caray aquatilia		7	✓	OBL	Diet size (vadius av legath width)				
5.	Delegas and the second of the second		0.1		FAC	Plot size (radius, or length x width) % Cover of Wetland Bryophytes				
6.	Equisetum arvense		0.1		FAC	(Where applicable)				
7.			0			% Bare Ground				
8.			_ 0	. 📙		Total Cover of Bryophytes 85				
9.				. 📙						
10.			0	. \square		Hydrophytic				
		Total Cove of Total Cover:			: 4.04	Vegetation Present? Yes No				

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SOIL Sampling Point: SW13 T201 10

JUIL									Samping	Point: 3W13_12U1_1U		
Profile Descripti	on: (Describe to	the depth n	eeded to doc	ument the in		firm the abs		ators)				
Depth (inches)				-					Tt	Dame-He-		
(inches)	Color (mo		<u>%</u>	Color (n	noist)	<u></u> %	Type ¹	_Loc_2	Texture	Remarks		
0-7	5YR	3/2	100						Fibric Organics			
7-9	5YR	2.5/1	100						Hemic Organics			
9-13	N	3/1	90	5YR	5/6	10	С	PL	Fine Sandy Clay Loam			
						-			-			
¹Type: C=Cor	ncentration. D	=Depletion	. RM=Redu	ced Matrix	² Location	PL=Pore	e Lining. RC	=Root Char	nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicat	ors for Pro	blematic	: Hydric So	oils: ³				
	Histel (A1)				ka Color Ch		4		Alaska Gleyed Without Hu	e 5Y or Redder		
✓ Histic Epip	. ,				ka Alpine sv		-		Underlying Layer			
	Sulfide (A4)				ka Redox W				Other (Explain in Remarks	3)		
	Surface (A12))										
Alaska Gle		,							nary indicator of wetland hy	drology,		
✓ Alaska Red				and an	appropriate	landscap	e position r	nust be pre	esent			
	yed Pores (A1	5)		4 Give	details of co	or change	e in Remark	S				
Restrictive Laye												
	ve layer (froze	n)							Hydric Soil Present?	Yes ● No ○		
Depth (inch	nes): 13											
Remarks:												
HYDROLO	GY											
Wetland Hydi		itors:							Secondary Indica	ators (two or more are required)		
Primary Indica			t)							ed Leaves (B9)		
☐ Surface W				☐ In	undation Vis	sible on A	erial Image	rv (B7)		atterns (B10)		
	er Table (A2)						_			izospheres along Living Roots (C3)		
✓ High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living I ✓ Saturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4)												
	. ,				•	. ,	(C1)		Salt Deposit	` ,		
								Stressed Plants (D1)				
☐ Drift Depo	,				her (Explain					: Position (D2)		
	or Crust (B4)				rici (Explaii	i iii iteinai	110)		✓ Shallow Aqu			
☐ Iron Depo										raphic Relief (D4)		
	oil Cracks (B6)								✓ FAC-neutral			
Field Observa												
Surface Water		Yes C	No ●	De	epth (inches):						
			No O			•		Wotlan	ad Hydrology Drocont	? Yes • No O		
Water Table P				De	epth (inches): 7		wetian	nd Hydrology Present	er res 😌 No 🔾		
Saturation Pre (includes capi		Yes 🧐	No O	De	epth (inches): 2						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:												
Remarks:												

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