WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project		Во	orough/City:	Denali Bo	orough Sampling Date: 05-Aug-13			
Applica	ant/Owner: Alaska Energy Authority					Sampling Point: SW13_T201_11			
	gator(s): SLI. EAC	side, terrac	ce, hummocks etc.): Footslope						
	relief (concave, convex, none): hummocky			Slope:	% / 2.4	· · · · · · · · · · · · · · · · · · ·			
	gion : Interior Alaska Mountains	l a		· ——— 33.362496972		Long.: -148.954517127 Datum: NAD83			
		Lc		03.302490912					
	ap Unit Name:				<u> </u>	NWI classification: PSS1B			
Are \	matic/hydrologic conditions on the site typical for thi /egetation , Soil , or Hydrology /egetation , Soil , or Hydrology	signific	antly	disturbed?		(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.)			
SUMI	MARY OF FINDINGS - Attach site map sl	nowing	sam	pling point	locations	s, transects, important features, etc.			
	Hydrophytic Vegetation Present? Yes No	0		_					
	Hydric Soil Present? Yes ● No	\circ				Sampled Area a Wetland? Yes ◉ No ◯			
		\circ		wi	thin a W	Vetland? Yes ♥ No ∪			
Rem	arks:								
	ETATION - Use scientific names of plants e Stratum	. List all Abso % Co	lute	cies in the Dominant Species?	•	Dominance Test worksheet: Number of Dominant Species			
1.	e Stratum	70 CC	0		Status	That are OBL, FACW, or FAC: 7 (A)			
2.						Total Number of Dominant			
3.			0			Species Across All Strata: 7 (B)			
4.			0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
5.			0						
	Total Co	 ver:	0			Prevalence Index worksheet: Total % Cover of: Multiply by:			
Sar	oling/Shrub Stratum 50% of Total Cover:	0		of Total Cover:	0	ODI Ossaiss			
	<u> </u>			_					
	Betula glandulosa		50	✓	FAC				
	Salix pulchra		5		FACW				
3.	Rhododendron tomentosum		3		FACU	FACU Species 3 x 4 = 12 UPL Species 0 x 5 = 0			
4.	Picea glauca		5		FACU FAC				
5.	Empetrum nigrum		5		FAC	Column Totals: <u>120</u> (A) <u>330</u> (B)			
6. 7.	Vaccinium vitis-idaea Vaccinium uliginosum		20	✓	FAC	Prevalence Index = B/A = 2.750			
8.			0		TAC	Hudronbutic Vocatation Indicators			
9.			0	П		Hydrophytic Vegetation Indicators: Dominance Test is > 50%			
10.			0			✓ Prevalence Index is ≤3.0			
10.	Total Co	 ver:1				Morphological Adaptations (Provide supporting data in			
Hei	b Stratum 50% of Total Cover:			of Total Cover	21.6	Remarks or on a separate sheet)			
1.	Rumex arcticus		3	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
2.	Rubus chamaemorus		3	✓	FACW	¹ Indicators of hydric soil and wetland hydrology must			
3.	Carex bigelowii		2	✓	FAC	be present, unless disturbed or problematic.			
4.	Arctagrostis latifolia		2	✓	FACW	Plot size (radius, or length x width)			
5.	Eriophorum angustifolium		1		OBL	% Cover of Wetland Bryophytes			
6.	Petasites frigidus		1		FACW	(Where applicable)			
			0			% Bare Ground30			
			0			Total Cover of Bryophytes30			
1 -			0						
			0			Hydrophytic			
	Total Cov 50% of Total Cover:	/er:	12 20% /	of Total Cover:	2.4	Vegetation Present? Yes No			

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SOIL Sampling Point: SW13_T201_11

Profile Descripti	on: (Describe to	the depth ne	eeded to docur	ment the indicator or co	onfirm the at	sence of indic	ators)		Tome: 51115_1251_11		
Depth		Matrix			dox Featı	ures					
(inches)	Color (m	oist)	%	Color (moist)	%	Type ¹	<u>Loc</u> 2	Texture	Remarks		
0-5	7.5YR	2.5/1	100					Fibric Organics			
5-8	7.5YR	3/2	100					Hemic Organics			
8-12	5Y	4/1	100					Clay Loam	No redox features.		
	-										
	-										
Type: C=Cor	ncentration. D	=Depletion	. RM=Reduc	ed Matrix ² Location	- ——— n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix			
		•		Indicators for Pi		_					
Hydric Soil I	Histel (A1)			Alaska Color C		4	,iis.	Alaska Gleyed Without Hi	ue SV or Pedder		
✓ Histic Epip	. ,			Alaska Alpine s		-		Underlying Layer			
	Sulfide (A4)			☐ Alaska Redox \	•	•		Other (Explain in Remark	s)		
_ , ,	Surface (A12	2)									
Alaska Gle	-	-,						nary indicator of wetland h	ydrology,		
Alaska Red				and an appropria	te iandsca _l	pe position r	nust be pre	esent			
Alaska Gle	yed Pores (A1	L5)		⁴ Give details of c	olor chang	je in Remark	S				
Restrictive Laye	er (if present)	:									
Type: activ								Hydric Soil Present	? Yes • No O		
Depth (inch	•							•	-		
Remarks:											
HYDROLO	CV										
Wetland Hydi		ators:						Secondary India	cators (two or more are required)		
Primary Indica			t)						ned Leaves (B9)		
Surface W		15 Samelen		☐ Inundation V	/isible on £	Aerial Image	v (B7)				
✓ High Water Table (A2)				Sparsely Veg		_			hizospheres along Living Roots (C3)		
✓ Saturation	` ,			Marl Deposit	•		.0 (30)		of Reduced Iron (C4)		
☐ Water Ma	rks (B1)			Hydrogen Su	. ,	(C1)		Salt Depos	its (C5)		
Sediment	Deposits (B2))		Dry-Season				Stunted or	Stressed Plants (D1)		
☐ Drift Depo	osits (B3)			Other (Expla	in in Rema	arks)		Geomorphi	ic Position (D2)		
Algal Mat	or Crust (B4)					,		✓ Shallow Aq	juitard (D3)		
☐ Iron Depo	sits (B5)							Microtopog	graphic Relief (D4)		
Surface So	oil Cracks (B6)						✓ FAC-neutra	l Test (D5)		
Field Observa	ations:										
Surface Water	Present?	Yes 🤇) No ●	Depth (inche	es):						
Water Table P	resent?	Yes 🤄	No 🔾	Depth (inche	es): 7		Wetlar	nd Hydrology Presen	t? Yes 💿 No 🔾		
Saturation Pre		Yes (No O	Depth (inche	ac). 5						
(includes capi	llary fringe)	163 0	110	Берит (птспе	 						
Describe Recor	ded Data (str	eam gauge,	monitor we	ll, aerial photos, pre	vious inspe	ection) if ava	ilable:				
Remarks:											

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