WETLAND DETERMINATION DATA FORM - Alaska Region

	t/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Denali Bo	rough Sampling Date: 31-Jul-13		
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T205_02		
	igator(s): SLI, EAC		Landform (hill	side. terrac	e, hummocks etc.): Footslope		
	relief (concave, convex, none): hummocky		Slope:	% / 3.3	- ·		
	gion : Interior Alaska Mountains	l at ·	63.369942068		Long.: -148.79058671 Datum: NAD83		
		Lat	03.309942000	90			
	ap Unit Name:			No ○	NWI classification: PSS1E		
	matic/hydrologic conditions on the site typical for this /egetation \Box , Soil \Box , or Hydrology \Box	•			(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○		
		-	tly disturbed?		ormal circumotanece procent.		
Are v	/egetation ☐ , Soil ☐ , or Hydrology ☐	naturally p	problematic?	(IT nee	ded, explain any answers in Remarks.)		
SUM	MARY OF FINDINGS - Attach site map she	owing sa	mpling point	locations	s, transects, important features, etc.		
	Hydrophytic Vegetation Present? Yes No	0	_				
	Hydric Soil Present? Yes ● No	\circ		the Sampled Area			
	Wetland Hydrology Present? Yes No	0	wi	thin a W	etland? Yes ⊙ No ○		
Rem	arks: Wetland bound at slope break. pronounced mic	rotopo in th	nis community,	indications	of seasonal flooding (iron floc).		
VEGI	ETATION -Use scientific names of plants.	List all sn	ecies in the	nlot.			
		Absolute		Indicator	Dominance Test worksheet:		
Tre	ee Stratum	% Cove		Status	Number of Dominant Species		
1.		0			That are OBL, FACW, or FAC:5 (A)		
2.		0			Total Number of Dominant Species Across All Strata: 5 (B)		
3.		0			Percent of dominant Species		
4.		0			That Are OBL, FACW, or FAC: 100.0% (A/B)		
5.		0			Prevalence Index worksheet:		
	Total Cove		_		Total % Cover of: Multiply by:		
Sap	bling/Shrub Stratum 50% of Total Cover:	0 209	% of Total Cover:	0	OBL Species x 1 =		
1.	Picea glauca	7		FACU	FACW Species <u>26</u> x 2 = <u>52</u>		
2.	Betula glandulosa	10	_	FAC	FAC Species <u>35.2</u> x 3 = <u>105.6</u>		
_		10	\checkmark	FAC	<u> </u>		
3.	Salix pulchra			FACW	FACU Species 7 x 4 = 28		
3. 4.	Saliv nulchra		_				
	Salix pulchra	25 5		FACW	FACU Species 7 x 4 = 28		
4.	Salix pulchra Vaccinium uliginosum	25 5 0.1		FACW	FACU Species 7 x 4 = 28 UPL Species 0 x 5 = 0 Column Totals: 75.2 (A) 192.6 (B)		
4. 5. 6.	Salix pulchra Vaccinium uliginosum Salix reticulata	25 5 0.1		FACW FAC FAC OBL	FACU Species 7 x 4 = 28 UPL Species 0 x 5 = 0		
4. 5. 6. 7. 8.	Salix pulchra Vaccinium uliginosum Salix reticulata Empetrum nigrum Andromeda polifolia (IAM) Vaccinium oxycoccos	25 5 0.1 3 1		FACW FAC FAC	FACU Species 7 $x 4 = 28$ UPL Species 0 $x 5 = 0$ Column Totals: 75.2 (A) 192.6 (B) Prevalence Index = B/A = 2.561 Hydrophytic Vegetation Indicators:		
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SOIL Sampling Point: SW13 T205 02

Profile Descript	ion: (Describe to	the depth n	eeded to docur	ment the indicator or co	nfirm the al	bsence of indica	ators)			
Depth		Matrix			dox Feati	ures				
(inches)	Color (mo	ist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks	
0-5	5YR	2.5/2	100					Fibric Organics		
5-10	5YR	3/1	100					Hemic Organics		
10-12	7.5YR	2.5/1	100					Sapric Organics	50% cobble	
								-		
					- ——					
¹Type: C=Co	ncentration. D=	=Depletion	ı. RM=Reduce	ed Matrix ² Location	n: PL=Por	re Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil I	ndicators:			Indicators for Pr	oblemati	ic Hydric Sc	oils: ³			
Histosol o	r Histel (A1)			Alaska Color Ch	nange (TA	4 (4)		Alaska Gleyed Without H	ue 5Y or Redder	
✓ Histic Epip	pedon (A2)			Alaska Alpine s	wales (TA	(5)		Underlying Layer		
Hydrogen	Sulfide (A4)			Alaska Redox V	Nith 2.5Y	Hue		Other (Explain in Remark	vs)	
Thick Dar	k Surface (A12))		30 :	:	41			duala e	
Alaska Gle	eyed (A13)			and an appropriat				nary indicator of wetland hesent	nydrology,	
Alaska Re	, ,						•			
Alaska Gle	eyed Pores (A1	5)		⁴ Give details of co	Olor chang	је п кетак	s 			
Restrictive Lay	er (if present):									
Type:								Hydric Soil Present	? Yes • No O	
Depth (inc	hes):									
HYDROLO	GY									
Wetland Hyd								Secondary Indi	cators (two or more are required)	
Primary Indica	ators (any one i	s sufficien	<u>t)</u>					Water Stai	ned Leaves (B9)	
	Vater (A1)			Inundation V		_			Patterns (B10)	
✓ High Wat	` '			Sparsely Veg		ncave Surfac	e (B8)		hizospheres along Living Roots (C3)	
✓ Saturatio	` '			Marl Deposits	. ,	(=.)			of Reduced Iron (C4)	
☐ Water Ma	: Deposits (B2)			Hydrogen Su				☐ Salt Depos		
Drift Dep	. ,			☐ Dry-Season \☐ Other (Explai					Stressed Plants (D1) ic Position (D2)	
_	or Crust (B4)			Utner (Explai	in in Kema	arks)			quitard (D3)	
✓ Iron Dep	, ,								graphic Relief (D4)	
	ioil Cracks (B6)							✓ FAC-neutra		
Field Observ									11 1000 (20)	
Surface Wate		Yes	No ●	Depth (inche	es):					
Water Table I			No O	Depth (inche	•		Wetlar	nd Hydrology Presen	t? Yes • No O	
Saturation Pro					,			ild 11741010g;	C: 103 ~ 110 -	
(includes cap		Yes 🕓	No O	Depth (inche	:s): 7					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										
iron floc on mosses and roots in troughs.										

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