WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	xa-Susitna Borough Sampling Date: 03-Jul-13								
Applica	nt/Owner: Alaska Energy Authority		Sampling Point: SW13_T125_01										
Investig	gator(s): SLI, SCB	ce, hummocks etc.): Knob											
Local re	elief (concave, convex, none): concave	% / 3.0) ° Elevation: 649										
Subreg	ion : Southcentral Alaska	Lat.:	62.93317472	 89	Long.: -149.630391479 Datum: NAD83								
_	p Unit Name:	NWI classification: Upland											
	Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)												
	egetation \square , Soil \square , or Hydrology \square	•	itly disturbed?		Iormal Circumstances" present? Yes No								
	egetation , Soil , or Hydrology	-	problematic?		eded, explain any answers in Remarks.)								
		_											
SUMIN	MARY OF FINDINGS - Attach site map sh		mpling poin	liocations	s, transects, important features, etc.								
	Hydrophytic Vegetation Present? Yes No	ipled Area											
	Hydric Soil Present? Yes O No			within a Wetland? Yes ○ No ●									
	Wetland Hydrology Present? Yes O No	•		WILLIIII & TYGURIU!									
Rema	IKS:												
\													
VEGE	TATION -Use scientific names of plants.	List all sp	ecies in the	plot.	I Book and the state of the sta								
		Absolut % Cove		Indicator Status	Dominance Test worksheet: Number of Dominant Species								
1 ree	e Stratum	_ 96 Cove		Status	That are OBL, FACW, or FAC:3(A)								
2.					Total Number of Dominant								
3.			-		Species Across All Strata:5(B)								
4.		$ \frac{0}{0}$	- =		Percent of dominant Species That Are OBL, FACW, or FAC: 60.0% (A/B)								
5.					Duavialance Index washisheets								
'	Total Cove	er: <u>0</u>	_		Prevalence Index worksheet: Total % Cover of: Multiply by:								
Sapl	ling/Shrub Stratum 50% of Total Cover:	0 20	% of Total Cover	r: <u>0</u>	OBL Species $0 \times 1 = 0$								
1.	Arctous alpinus	20	✓	FACU	FACW Species 10.1 x 2 = 20.20								
2.	Refula nana			FAC	FAC Species 25.1 x 3 = 75.30								
	Vaccinium uliginosum		_	FAC	FACU Species 31 x 4 = 124								
	Loiseleuria procumbens		✓	FACU	UPL Species 0 x 5 = 0								
5.	Rhododendron tomentosum	10	✓	FACW	Column Totals: <u>66.2</u> (A) <u>219.5</u> (B)								
6.	Empetrum nigrum	5		FAC									
	Picea glauca	1	_	FACU	Prevalence Index = B/A = 3.316								
	Vaccinium vitis-idaea	0.1		FAC	Hydrophytic Vegetation Indicators:								
	Rhododendron tomentosum			FACW	✓ Dominance Test is > 50%								
10.		0	_		☐ Prevalence Index is ≤3.0								
Herl	Total Cove 50% of Total Cover:			er: 13.24	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)								
_					Problematic Hydrophytic Vegetation ¹ (Explain)								
					Indicators of hydric soil and wetland hydrology must								
					be present, unless disturbed or problematic.								
					Diet size (radius or length y width)								
					Plot size (radius, or length x width) % Cover of Wetland Bryophytes								
					(Where applicable)								
7.		0			% Bare Ground								
			_		Total Cover of Bryophytes								
		0	_										
10.		0	_		Hydrophytic								
	Total Cove 50% of Total Cover:		_ % of Total Cover	r: 0	Vegetation Present? Yes ● No ○								
-	-				1								
Rema	arks: lichens include FLACUC THAVER ALEOCH ST	EREO CETI	SL MASRIC CLA	ADO									

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SOIL Sampling Point: SW13_T125_01

Profile Descripti		the depth ne	eded to docun	nent the indicator or co	nfirm the ab		cators)				
(inches)	Color (moi	st)	%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks		
0-2			100					Rooted organics			
2-11	10YR	3/4	20					Sandy Loam	80% ang-subang gravels-cobbles		
-									3 3 3		
1 _{Typa} , C-Cor			DM-Deduc	ed Matrix ² Location	nı DI –Dor	- Lining P(nanol M-Matriy			
1.		рерівноп.	RIM=Reduce			_		INNEI. IMEMIAUIX			
Hydric Soil I				Indicators for Pr		4	oils:	٦			
	r Histel (A1)			☐ Alaska Color Change (TA5) ☐ Alaska Gleyed Without Hue 5Y or Redder ☐ Alaska Alpine cycles (TA5) ☐ Underlying Layer							
Histic Epip				☐ Alaska Alpine s	-	-		, , ,	>		
	Sulfide (A4)			☐ Alaska Redox V	Nith 2.5Y F	Hue		Other (Explain in Remark	5)		
	Surface (A12)			³ One indicator of	hvdrophyl	tic veaetatic	n. one prin	nary indicator of wetland h	vdrologv.		
Alaska Gle				and an appropriat					yarolog,,		
Alaska Red		٠,		4 Give details of co	olor chang	e in Remark	KS				
	eyed Pores (A15)									
Restrictive Laye	er (if present):							Coll Duccount	? Yes○ No •		
Type: Depth (inch	200):							Hydric Soil Present	? Yes ○ No •		
Remarks:	ies):										
HYDROLO	G <u>Y</u>										
Wetland Hydi	rology Indica	tors:						Secondary Indi	cators (two or more are required)		
	tors (any one is	s sufficient	:)						ned Leaves (B9)		
Surface Water (A1)				Inundation V		-			atterns (B10)		
	er Table (A2)			Sparsely Veg		ncave Surfac	ce (B8)		hizospheres along Living Roots (C3)		
Saturation (A3)				Marl Deposits	` ,				f Reduced Iron (C4)		
Water Marks (B1)				☐ Hydrogen Su				☐ Salt Depos			
Sediment Deposits (B2)				☐ Dry-Season V					Stressed Plants (D1)		
☐ Drift Depo				Other (Explai	in in Rema	ırks)			ic Position (D2)		
	or Crust (B4)								uitard (D3)		
☐ Iron Depo	osits (B5) oil Cracks (B6)							☐ Microtopog	raphic Relief (D4)		
Field Observa								☐ FACTICUU	Tiest (DS)		
Surface Water		Yes C	No ●	Depth (inche	oc).						
			No •	, ,	•		Watla	·· - I II. · · · · · · · · · · Drocon	t? Yes O No 💿		
Water Table P		_	_	Depth (inche	:s):		Wetlai	nd Hydrology Presen	C? Yes ○ NO ⑤		
Saturation Pre (includes capil		Yes 🔾	No 💿	Depth (inche	es):						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
no wetland hyd	drology indicato	ırs									
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