WETLAND DETERMINATION DATA FORM - Alaska Region

roject	//Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	a-Susitna Borough Sampling Date: 05-Aug-12			
pplica	ant/Owner: Alaska Energy Authority				Sampling Point: SW12_T35_01			
vesti	gator(s): CTS, EKJ		Landform (hillside, terrace, hummocks etc.): Saddle					
ocal r	relief (concave, convex, none): convex		_ Slope:1.7	% / 1.0	Elevation: 1123			
ubreg	gion : Southcentral Alaska	Lat.:	62.899209908	34	Long.:148.67422997			
oil Ma	p Unit Name:				NWI classification: Upland			
Are V Are V	regetation ☐ , Soil ☐ , or Hydrology ☐ MARY OF FINDINGS - Attach site map sho	significan naturally wing sa	ntly disturbed? problematic?	(If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.			
Rem	Hydrophytic Vegetation Present? Yes No West No			the Sam thin a W	pled Area etland? Yes ○ No ●			
EGE	ETATION -Use scientific names of plants. L	ist all sp	ecies in the	plot.				
		Absolut	e Dominant	Indicator	Dominance Test worksheet:			
	e Stratum	% Cove		Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)			
1.			_		Total Number of Dominant			
2.		0	-		Species Across All Strata:3(B)			
3.		0			Percent of dominant Species			
4. 5.		0			That Are OBL, FACW, or FAC: 33.3% (A/B)			
Э.	Total Cover	- <u>0</u>	_		Prevalence Index worksheet:			
San	ling/Shrub Stratum 50% of Total Cover:		— 1% of Total Cover:	0	Total % Cover of: Multiply by:			
Jap	ming/Siliub Stratum 50% of Total Cover.				OBL Species 0 x1 = 0			
	Dryas octopetala	8	_	UPL	FACW Species 4.1 x 2 = 8.2			
2.	Diapensia lapponica			UPL	FAC Species 3.1 x3 = 9.3 FACU Species 4.1 x4 = 16.4			
3.	Loiseleuria procumbens	2		FACU				
4. -	Vaccinium vitis-idaea	$-\frac{1}{1}$		FAC FAC				
5.	Vaccinium uliginosum	2	-	FACU	Column Totals: <u>24.5</u> (A) <u>99.90</u> (B)			
6. 7	Cassiope tetragona Salix polaris	- <u>-</u>		FACW	Prevalence Index = B/A =4.078_			
	Ledum decumbens	0.1		FACW	Hydrophytic Vegetation Indicators:			
	Empetrum nigrum			FAC	Dominance Test is > 50%			
		0			Prevalence Index is ≤3.0			
	Total Cover	r:	_		Morphological Adaptations ¹ (Provide supporting data in			
Her	b Stratum 50% of Total Cover:			: 4.64	Remarks or on a separate sheet)			
1.	Carex microchaeta	_ 1	\checkmark	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
2.	Campanula lasiocarpa	0.1		UPL	¹ Indicators of hydric soil and wetland hydrology must			
3.	Antennaria monocephala	0.1		UPL	be present, unless disturbed or problematic.			
	Anthoxanthum monticola ssp. alpinum			FACU	Plot size (radius, or length x width)			
					% Cover of Wetland Bryophytes 0			
			-		(Where applicable)			
			-		% Bare Ground <u>80</u>			
8.			- =		Total Cover of Bryophytes 0			
		$- \frac{0}{0}$	- =					
9.					Hydrophytic Vegetation			
9.	Total Cover				Vegetation			
9.	Total Cover 50% of Total Cover:			0.26	Vegetation Present? Yes ○ No ●			

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SOIL Sampling Point: SW12_T35_01

		the depth ne	eded to docum	ent the indicator or co	nfirm the abs		ators)				
Depth (inches)	Color (mo	ist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR	3/2	70	Color (IIIClot)				Sandy Loam	sand to rounded-angular cobbles		
2-15	2.5Y	3+2	70					Sandy Loam			
		<u> </u>			-			Sandy Loani	few rts, sand-rnd/semiang cobbl		
					-						
¹Type: C=Cor	 ncentration. D=	Depletion.	RM=Reduce	d Matrix ² Location		_		nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pr	oblematio	Hydric So	oils:				
Histosol or Histel (A1) Alaska Color Chang						1)		Alaska Gleyed Without H	ue 5Y or Redder		
Histic Epip	edon (A2)			Alaska Alpine s	wales (TA5	5)	_	Underlying Layer			
Hydrogen	Sulfide (A4)			Alaska Redox V	Vith 2.5Y F	lue		Other (Explain in Remark	rs)		
☐ Thick Dark	Surface (A12)			•							
Alaska Gle	yed (A13)			One indicator of and an appropriat	hydrophyt	ic vegetatio	n, one prin	nary indicator of wetland h	ydrology,		
Alaska Red	dox (A14)				•	•	•	CSCIIC			
Alaska Gle	eyed Pores (A15	5)		⁴ Give details of co	olor change	e in Remark	s				
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes O No 💿		
Depth (inch	nes):										
HYDROLO	GY										
Wetland Hydi	rology Indica	tors:						Secondary Indi	cators (two or more are required)		
Primary Indica	tors (any one i	s sufficient)					Water Stained Leaves (B9)			
Surface Water (A1)				☐ Inundation V	isible on A	erial Imager	ry (B7)	Drainage F	atterns (B10)		
High Water Table (A2)				Sparsely Veg	etated Con	cave Surfac	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)		
Saturation (A3)				☐ Marl Deposits	(B15)			Presence of	f Reduced Iron (C4)		
☐ Water Marks (B1)				Hydrogen Su	lfide Odor	(C1)		Salt Depos	its (C5)		
Sediment Deposits (B2)				☐ Dry-Season V	Vater Table	e (C2)		Stunted or	Stressed Plants (D1)		
☐ Drift Depo	osits (B3)		Other (Explai	n in Rema	rks)		Geomorph	ic Position (D2)			
Algal Mat or Crust (B4)								Shallow Ac	uitard (D3)		
☐ Iron Deposits (B5)								Microtopog	raphic Relief (D4)		
Surface So	oil Cracks (B6)							FAC-neutra	l Test (D5)		
Field Observa	ations:										
Surface Water	r Present?	Yes C	No ●	Depth (inche	s):						
Water Table P	Present?	Yes C	No 💿	Depth (inche	s):		Wetla	nd Hydrology Presen	t? Yes O No 💿		
Saturation Pre	esent?	V (N. O		•						
(includes capillary fringe) Yes No				Depth (inche							
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
no wetland hydrology indicators											

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