WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	xa-Susitna Borough Sampling Date: 02-Jul-13			
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T126_03			
nvestigator(s): SLI, SCB		Landform (hill	side, terrac	ce, hummocks etc.): Footslope			
Local relief (concave, convex, none): concave		Slope:		1 ° Elevation: 742			
Subregion : Southcentral Alaska	Lat:	62.890015960		Long.: -149.373935819 Datum: NAD83			
Soil Map Unit Name:		02.000010000		NWI classification: PUBH			
Are climatic/hydrologic conditions on the site typical for this tir		n Voc	● No ○				
		disturbed?		(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○			
		oblematic?		eded, explain any answers in Remarks.)			
	• •						
SUMMARY OF FINDINGS - Attach site map show	ving sam	pling point	locations	s, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes ● No ○			41	. I. A			
Hydric Soil Present? Yes ● No ○		Is the Sampled Area within a Wetland? Yes ● No ○					
Wetland Hydrology Present? Yes ● No ○		Wi	thin a W	retland? Yes © No C			
Remarks: small permanently flooded pond							
/EGETATION - Use scientific names of plants. Lis	st all spe	cies in the	plot.				
	Absolute	Dominant	Indicator	Dominance Test worksheet:			
Tree Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)			
1	0			Total Number of Dominant			
2.	0			Species Across All Strata:0(B)			
3	0			Percent of dominant Species			
4	0			That Are OBL, FACW, or FAC: 0.0% (A/B)			
5	0			Prevalence Index worksheet:			
Total Cover:				Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species			
1	0			FACW Species 0 x 2 = 0			
2.				FAC Species0 x 3 =0			
3.	•			FACU Species0 x 4 =0			
4				UPL Species			
5	0			Column Totals: 0 (A) 0 (B)			
6	0			Prevalence Index = B/A = 2.000			
7	0			Trevalence index – B/A –			
8				Hydrophytic Vegetation Indicators:			
9				☐ Dominance Test is > 50%			
10.				☐ Prevalence Index is ≤3.0			
Total Cover: Herb Stratum 50% of Total Cover:		of Total Cover	:0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
1	0			Problematic Hydrophytic Vegetation ¹ (Explain)			
2				¹ Indicators of hydric soil and wetland hydrology must			
3				be present, unless disturbed or problematic.			
4				Plot size (radius, or length x width)			
5				% Cover of Wetland Bryophytes			
6				(Where applicable)			
7.				% Bare Ground			
				Total Cover of Bryophytes			
		of Total Cover	Ω	Present? Yes No			
5 6	0 0 0 0 0 0 0 0			% Cover of Wetland Bryophytes (Where applicable) % Bare Ground Total Cover of Bryophytes Hydrophytic Vegetation Present? Yes No			

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SOIL Sampling Point: SW13_T126_03

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth (inches) Color (moist) Type: C=Concentration. D=Deplet Hydric Soil Indicators: Histosol or Histel (A1) Histic Epipedon (A2) Hydrogen Sulfide (A4) Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Redox (A14) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Depth (inches): Remarks: inundated. assume hydric soil due to		Indicators for Pr Alaska Color Cl Alaska Alpine s Alaska Redox V	n: PL=Pore Li roblematic H hange (TA4) swales (TA5) With 2.5Y Hue f hydrophytic v te landscape p	Lining. RC=Ri Hydric Soils: e vegetation, c position mus	Alas Und V Oth	ska Gleyed Without Ho lerlying Layer er (Explain in Remark ndicator of wetland h	ydrology,
Hydric Soil Indicators: Histosol or Histel (A1) Histic Epipedon (A2) Hydrogen Sulfide (A4) Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Redox (A14) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Depth (inches):		Indicators for Pr Alaska Color Co Alaska Alpine s Alaska Redox V One indicator of and an appropriate	roblematic H thange (TA4) swales (TA5) With 2.5Y Hue f hydrophytic v te landscape p	e vegetation, o	Alas Und • Oth	ska Gleyed Without Ho lerlying Layer er (Explain in Remark ndicator of wetland h	ydrology,
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Restrictive Layer (if present): Type: Depth (inches): Remarks:	o hydrophytic y	*Give details of c	color change ir	n Remarks			
Type: Depth (inches):	o hydrophytic y						
Depth (inches):	n hydronhytic : "						
emarks:	n hydrophytic :				Hy	dric Soil Present	? Yes • No O
	o hydrophytic :						
YDROLOGY Wetland Hydrology Indicators:						Secondary India	cators (two or more are required)
Primary Indicators (any one is suffi							ned Leaves (B9)
✓ Surface Water (A1)		☐ Inundation V	/isible on Aeria	al Imagery (B7)		atterns (B10)
High Water Table (A2)			getated Concav		•	Oxidized R	hizospheres along Living Roots (C3)
Saturation (A3)		Marl Deposit	s (B15)		•	Presence o	f Reduced Iron (C4)
Water Marks (B1)		Hydrogen Su	ulfide Odor (C1	1)		Salt Depos	its (C5)
Sediment Deposits (B2)		Dry-Season \	Water Table (0	(C2)		Stunted or	Stressed Plants (D1)
Drift Deposits (B3)		Uther (Expla	in in Remarks	5)			c Position (D2)
Algal Mat or Crust (B4)						☐ Shallow Aq	
Iron Deposits (B5)							raphic Relief (D4)
Surface Soil Cracks (B6)						☐ FAC-neutra	l Test (D5)
Field Observations:	es No	Danth (in the). 12				
		Depth (inche	-				12 V (a) N- (
0 5	es O No 💿	Depth (inche	es):	,	Wetland H	ydrology Presen	t? Yes • No O
Saturation Present? (includes capillary fringe)	s O No •	Depth (inche	es):				
Describe Recorded Data (stream ga	auge, monitor we	ell, aerial photos, pre	vious inspection	ion) if availat	ole:		
Remarks:							
shallow permanently flooded pond.							
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