WETLAND DETERMINATION DATA FORM - Alaska Region

Project/	Site: Susitna-Watana Hydroelectric Pro	ject	B	Borough/City:	Matanusk	a-Susitna Borough Sampling Date: 24-Aug-15
Applicar	nt/Owner: Alaska Energy Authority					Sampling Point: SW15_T317_03
	ator(s): GVF			Landform (hills	side, terrac	e, hummocks etc.): Pond Fringe
Local re	elief (concave, convex, none): flat			Slope: 0.0	% / 0.0	
Subreai	on: Cook Inlet Mountains		Lat.:			Long.: Datum: WGS84
-	Unit Name:		-			NWI classification: PEM1Fb
		al for this time .	· f	2 Vac	● No ○	
	atic/hydrologic conditions on the site typical egetation			y disturbed?		(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○
	egetation , Soil , or Hydrolo			roblematic?		ded, explain any answers in Remarks.)
	•		• •		·	
SUMM	IARY OF FINDINGS - Attach site r	nap showing	g san	npling point	locations	s, transects, important features, etc.
ŀ	Hydrophytic Vegetation Present? Yes	No O				
ŀ	Hydric Soil Present? Yes	No O				pled Area
	Wetland Hydrology Present? Yes	No O		wi	thin a W	etland? Yes No
Remar				<u>'</u>		
/EGE	TATION - Use scientific names of p	olants. List a	II spe	cies in the	olot.	
			<u> </u>			Dominance Test worksheet:
Tree	Stratum		solute Cover	Dominant Species?	Status	Number of Dominant Species
1.		-				That are OBL, FACW, or FAC:1 (A)
2.						Total Number of Dominant Species Across All Strata: 1 (B)
3.						Percent of dominant Species
4.						That Are OBL, FACW, or FAC: 100.0% (A/B)
5.						Prevalence Index worksheet:
	т	otal Cover:				Total % Cover of: Multiply by:
Sapli	ing/Shrub Stratum 50% of Total	Cover: 0	_ 20%	of Total Cover:	0	OBL Species 27.1 x 1 = 27.1
1						FACW Species 3 x 2 = 6
_						FAC Species 1 x 3 = 3
2						FACU Species 0 x 4 = 0
						UPL Species <u>0</u> x 5 = <u>0</u>
5.						Column Totals: <u>31.1</u> (A) <u>36.10</u> (B)
6.						
7						Prevalence Index = B/A = 1.161
8						Hydrophytic Vegetation Indicators:
9						✓ Dominance Test is > 50%
10						✓ Prevalence Index is ≤3.0
	=00/ C= . I	otal Cover: Cover: 0	00	6 of Total Cover:	0	Morphological Adaptations (Provide supporting data in
	- Del de dans					Remarks or on a separate sheet)
-	Carex aquatilis		<u>18</u> 5		OBL	Problematic Hydrophytic Vegetation (Explain)
-	Comarum palustre Carex canescens		3		OBL FACW	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
J 0	Carox limosa		3		OBL	
-	Calamagraphia agnadanaia		1		FAC	Plot size (radius, or length x width)
-	Eriophorum scheuchzeri		1		OBL	% Cover of Wetland Bryophytes (Where applicable)
-	Sparganium angustifolium		0.1		OBL	% Bare Ground _2
_			0			Total Cover of Bryophytes
			0			70
			0			Hydrophytic
-			31.1			Vegetation
			/			Present? Yes • No ·
	50% of Total	Cover: <u>15.55</u>	_ 20%	of Total Cover:	6.22	Present! les 🔾 NO 🔾

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SOIL Sampling Point: SW15_T317_03

Color (mo 0-6 6-17 17-20 1 Type: C=Concentration. D= Hydric Soil Indicators: ✓ Histosol or Histel (A1) Histic Epipedon (A2) Hydrogen Sulfide (A4) Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed Pores (A1: Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators Frimary Indicators (any one) ✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	=Depletion. RM=R	Indicators for F Alaska Color of Alaska Alpine Alaska Redox One indicator of and an appropri	on: PL=Pore Lini Problematic Hy Change (TA4) swales (TA5) With 2.5Y Hue	dric Soils: ³ [getation, one prosition must be properties.	Peat Mucky Peat Muck Muck Muck Alaska Gleyed Without Hu Underlying Layer Other (Explain in Remark	ydrology,
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Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	-	⁴ Give details of	color change in F	Remarks	Hydric Soil Present	? Yes • No O
Type: Depth (inches): Remarks: IYDROLOGY Wetland Hydrology Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)					Hydric Soil Present	? Yes • No O
Depth (inches): Remarks: IYDROLOGY Wetland Hydrology Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)					Hydric Soil Present	? Yes • No ·
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✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) Water Marks (B1)						cators (two or more are required)
✓ High Water Table (A2) ✓ Saturation (A3) Water Marks (B1)	s sufficient)					ned Leaves (B9)
Saturation (A3) Water Marks (B1)			Visible on Aerial			atterns (B10)
Water Marks (B1)			egetated Concave	e Surface (B8)		hizospheres along Living Roots (C3) f Reduced Iron (C4)
		Marl Depos	` ,		Salt Deposi	
Sediment Deposits (DZ)			Sulfide Odor (C1) Water Table (C2			Stressed Plants (D1)
Drift Deposits (B3)		_ '	ain in Remarks)	2)	✓ Geomorphi	` '
Algal Mat or Crust (B4)		□ Other (Expi	alli ili Remarks)		Shallow Ag	` '
☐ Iron Deposits (B5)						raphic Relief (D4)
Surface Soil Cracks (B6)					✓ FAC-neutra	
ield Observations:					The neduc	1 1000 (100)
Surface Water Present?	Yes No	O Depth (inch	nes): 1			
Water Table Present?	Yes No	<u> </u>	,	Wetl	and Hydrology Presen	t? Yes ● No ○
		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	nes): 0	Well	and riyurology Presen	ti les 🙂 NO 😊
Saturation Present? (includes capillary fringe)	Yes No	O Depth (inch	nes): 0			
Describe Recorded Data (stre	am gauge, monito	or well, aerial photos, pr	evious inspection	n) if available:		
N						
Remarks:						
2margin of partially draine						

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