WETLAND DETERMINATION DATA FORM - Alaska Region

Project/s	Site: Susitna-Watana Hydroelectric Project		Borough/Ci	ty: Matanus	ka-Susitna Borough Sampling Date: 04-Aug-13			
Applicar	nt/Owner: Alaska Energy Authority				Sampling Point: SW13_T133_06			
Investiga			Landform	(hillside, terra	ce, hummocks etc.): depression			
•	lief (concave, convex, none):		Slope:		5 ° Elevation: 742			
	on : Interior Alaska Mountains	l at ·	_ · 62.91618 [.]		Long.: -148.079970838 Datum: NAD83			
_	Unit Name:	Lut	02.91010	13030	NWI classification: PUBH			
			0	Voc (No (
		-	-		Normal Olloumotarioco present:			
		•		•				
SUMM	•	Gent? Yes No Species? Status No Species? Status Species Across All Strata: 1 (B) Total Cover: 0 20% of Total Cover: 0 20% of Total Cover: 0 0 1						
H	Hydrophytic Vegetation Present? Yes ◉ No ◯			la 4la a 0 a a	and ad Ana			
ŀ	Hydric Soil Present? Yes ● No ○							
١					Tottaila i			
Remar	ks: lake forming by impoundment of surface water by	glacial t	ill deposits.	steep banks c	comprise till material on 3 sides.			
VEGE	TATION - Use scientific names of plants. Lis	st all sp	ecies in t	he plot.				
	•				Dominance Test worksheet:			
Tree	Stratum				Number of Dominant Species			
1		0						
2.		0						
3		0	_		Percent of dominant Species			
4		0			That Are OBL, FACW, or FAC: 100.0% (A/B)			
5		0	_		Prevalence Index worksheet:			
			_		Total % Cover of: Multiply by:			
Sapli	ng/Shrub Stratum 50% of Total Cover:	0 20	% of Total Co	over: 0	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC:			
1.		0			FACW Species 0 x 2 = 0			
4		0			UPL Species			
5		0			Column Totals: <u>36</u> (A) <u>40</u> (B)			
6		0			Prevalence Index = B/A = 1 111			
7		0			Trevalence mack - B/A			
8		0	_					
10	T. 1.10	0	_					
Horh	Total Cover: Stratum 50% of Total Cover:		_ 0% of Total C	over: 0	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)			
4 . Constructivities					Problematic Hydrophytic Vegetation ¹ (Explain)			
-	0			OBL	Indicators of hydric soil and wetland hydrology must Indicators of hydric soil and wetland hydrology must			
_	Sparganium hyperboreum			OBL	be present, unless disturbed or problematic.			
-	Hippuris vulgaris	4		OBL				
-	Calamagrostis canadensis	2		FAC	Plot size (radius, or length x width)			
_	y				% Cover of Wetland Bryophytes (Where applicable)			
					% Bare Ground			
					Total Cover of Bryophytes			
8								
9		0			Hydrophytic			
9	Total Cover:	0 36		over: 7.2	Hydrophytic Vegetation Present? Yes No			

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SOIL Sampling Point: SW13_T133_06

Type: C=Concentrallydric Soil Indicat	olor (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type 1		Texture	Remarks	
ydric Soil Indicat									
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ydric Soil Indicat									
ydric Soil Indicat									
lydric Soil Indicat	tion D-Depletion		d Matrix 2 Location	- DI -Pore	Lining PC	`Char	and M-Matrix		
-			Indicators for Pr				illei. M-Mauix		
 Histosol or Histel 					4			FV - D - L1	
_	` '		☐ Alaska Color Ch ☐ Alaska Alpine s		-		Alaska Gleyed Without Hu Underlying Layer	ue 5Y or Redder	
Histic Epipedon (A2)			Alaska Redox V	•	,		Other (Explain in Remarks)		
☐ Hydrogen Sulfide	` ,		AldSka Redux v	WIUI 2.51 FI	ue		Outer (Explain in Remain		
☐ Thick Dark Surfa☐ Alaska Gleyed (A							ary indicator of wetland h	ydrology,	
□ Alaska Gleyeu (A □ Alaska Redox (A:			and an appropriat	te landscape	e position n	nust be pres	sent		
Alaska Gleyed Po	•		⁴ Give details of co	olor change	in Remark	S			
strictive Layer (if p	resent):								
Type:	,:						Hydric Soil Present	? Yes • No O	
Depth (inches):							,		
YDROLOGY	T. P								
etland Hydrology rimary Indicators (a		nt)						cators (two or more are requ ned Leaves (B9)	uired)
Surface Water (ic)	Inundation V	/icible on Ac	rial Image	n. (B7)		Patterns (B10)	
High Water Tabl	•		Sparsely Veg		_			hizospheres along Living Roo	ots (C
Saturation (A3)			Marl Deposits		Jave Suriac	.e (bb)		of Reduced Iron (C4)	000 (0.
Water Marks (B))		Hydrogen Su	,	(C1)		Salt Depos	` '	
Sediment Deposits (B2) Dry-Season Water Table (C2)								Stressed Plants (D1)	
☐ Drift Deposits (B3) ☐ Other (Explain in Remarks)							Geomorphi	ic Position (D2)	
Algal Mat or Crust (B4)							Shallow Ag	juitard (D3)	
Iron Deposits (B5)							Microtopog	raphic Relief (D4)	
Surface Soil Cra	cks (B6)						✓ FAC-neutra	l Test (D5)	
eld Observations									
Surface Water Prese			Depth (inche	es): 0					
Vater Table Present	? Yes	⊃ No ⊙	Depth (inche	es): 0		Wetlan	d Hydrology Presen	t? Yes 💿 No 🔾	
	nge) Yes	O No ●	Depth (inche	-e). U					
	rige)		• •			.1.1.			
includes capillary fr		, monitor well,	, aerial photos, prev	vious inspec	ction) if ava	illable:			
Saturation Present? includes capillary frescribe Recorded Da	ita (stream gauge								-
includes capillary fr	ta (stream gauge								

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