WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	B	orough/City:	Matanusk	ka-Susitna Borough Sampling Date: 04-Aug-13		
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T150_07		
nvestigator(s): SLI, EAC		Landform (hill	lside, terrac	ce, hummocks etc.): Pond		
Local relief (concave, convex, none): none		Slope:		4 ° Elevation: 768		
Subregion : Interior Alaska Mountains	Lat ·	63.32890105		Long.: -148.286081314 Datum: NAD83		
Soil Map Unit Name:		00.02000100	10	NWI classification: PUBH		
Are climatic/hydrologic conditions on the site typical for this	time of voor	o Voc	● No ○			
Are Vegetation , Soil , or Hydrology	significantly naturally pr	y disturbed? oblematic?	Are "N (If nee	lormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.)		
Hydrophytic Vegetation Present? Yes No	\supset		41 0	unla d Ausa		
Hydric Soil Present? Yes ● No	\supset	Is the Sampled Area within a Wetland? Yes ● No ○				
Wetland Hydrology Present? Yes No			ithin a W	oliana i		
Remarks: This point is the pond adjacent to SW13-T150-0 water near the shoreline. /EGETATION -Use scientific names of plants. L				i diameter as weil as a few black spruce snags in open		
	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum	% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: (A)		
1	0			That are OBL, FACW, or FAC:(A) 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 Cove				Total % Cover of: Multiply by:		
Sapling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover	:0	OBL Species <u>0</u> x 1 = <u>0</u>		
1	0			FACW Species 0 x 2 = 0		
2.				FAC Species0 x 3 =0		
3.	_			FACU Species <u>0</u> x 4 = <u>0</u>		
4	0			UPL Species0 x 5 =0		
5				Column Totals:0 (A)0 (B)		
6				Prevalence Index = B/A = 0.000		
7	0			Trevalence mack - B/A - 0.000		
8	0			Hydrophytic Vegetation Indicators:		
9				☐ Dominance Test is > 50%		
10.				Prevalence Index is ≤3.0		
Total Cove Herb Stratum 50% of Total Cover:		6 of Total Cove	r: <u>0</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
1				Problematic Hydrophytic Vegetation ¹ (Explain)		
2				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
3				be present, unless disturbed of problematic.		
4				Plot size (radius, or length x width)		
5	•			% Cover of Wetland Bryophytes		
6				(Where applicable)		
7				% Bare Ground		
8. 9.				Total Cover of Bryophytes		
10.				Hydrophytic		
	r: 0	_		Hydrophytic Vegetation		
Total Cove				Present? Yes No		

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SOIL

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

Depth Matrix Redox Features

(inches) Color (moist) % Color (moist) % Type 1 Loc 2 Texture Remarks

Depth (inches) Color (m	Matrix			dox Featu	_Type ¹	Loc ²	Texture	Remarks
(inches) Color (m	DIST)	%	Color (moist)	<u>%</u>	Type	LOC -	Texture	Kemarks
							-	
				-			N-	
								-
				_				
							-	
¹Type: C=Concentration. D	=Depletion. I	RM=Reduce	ed Matrix ² Locatio	n: PL=Pore	e Lining. RC	=Root Cha	nnel. M=Matrix	
Hydric Soil Indicators:			Indicators for P	oblematic	: Hydric Sc	oils:		
Histosol or Histel (A1)			Alaska Color C		4	,	Alaska Gleyed Without H	ue 5V or Redder
Histic Epipedon (A2)			Alaska Alpine		-		Underlying Layer	de 31 of Redder
Hydrogen Sulfide (A4)			Alaska Redox			✓	Other (Explain in Remark	(S)
Thick Dark Surface (A12	2)							
Alaska Gleyed (A13)	-,						nary indicator of wetland h	ydrology,
Alaska Redox (A14)			and an appropria	te iandscap	e position r	nust be pre	esent	
Alaska Gleyed Pores (Al	.5)		⁴ Give details of o	olor change	e in Remark	S		
Restrictive Layer (if present)								
Type:							Hydric Soil Present	? Yes ● No ○
Depth (inches):							,	
Remarks:						I		
HYDROLOGY								
	ators:						_Secondary Indi	cators (two or more are required)
								cators (two or more are required) ned Leaves (B9)
Wetland Hydrology Indic Primary Indicators (any one Surface Water (A1)			☐ Inundation \		-		Water Stai Drainage F	ned Leaves (B9) Patterns (B10)
Wetland Hydrology Indic Primary Indicators (any one ✓ Surface Water (A1) ☐ High Water Table (A2)			Sparsely Veg	etated Cor	-		Water Stai Drainage F Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3)
Wetland Hydrology Indic Primary Indicators (any one ✓ Surface Water (A1) ☐ High Water Table (A2) ☐ Saturation (A3)			Sparsely Veg	etated Cor s (B15)	cave Surfac		Water Stai Drainage F Oxidized R Presence o	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4)
Wetland Hydrology Indic Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	is sufficient)		Sparsely Veg Marl Deposit Hydrogen Su	jetated Cor s (B15) ilfide Odor	cave Surfac		Water Stai Drainage F Oxidized R Presence o Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5)
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