## WETLAND DETERMINATION DATA FORM - Alaska Region

rojec	t/Site: Susitna-Watana Hydroelectric Project		_ Bo	rough/City:	Matanusk	a-Susitna Borough Sampling Date: 05-Aug-13
Applica	ant/Owner: Alaska Energy Authority					Sampling Point: SW13_T100_09
nvesti	gator(s): BAB		L	andform (hills	side, terrac	e, hummocks etc.): pond
ocal	relief (concave, convex, none):concave		5	Slope: 0.0	% / 0.0	Elevation: 790
Subre	gion: Copper River Basin	Lat	.: 6	2.613907596	1	Long.: -147.421502229 Datum: WGS84
Soil Ma	ap Unit Name:					NWI classification: L1UBH
Are \	matic/hydrologic conditions on the site typical for this /egetation  , Soil  , or Hydrology  , Soil  , or Hydrology  .  MARY OF FINDINGS - Attach site map sho	significa naturall owing s	antly y pro	disturbed?	(If nee	(If no, explain in Remarks.) formal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.
Rem	Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	0	5.		the Sam thin a W	pled Area etland? Yes ● No ○
'EGI	<b>ETATION</b> -Use scientific names of plants.	List all	spec	cies in the p	olot.	
_	<b>.</b> .	Absol			Indicator	Dominance Test worksheet:  Number of Dominant Species
1.	e Stratum	_% Co	ver 0	Species?	Status	That are OBL, FACW, or FAC: (A)
2.						Total Number of Dominant
3.			0			Species Across All Strata: 2 (B)
4.			0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
5.			0			
	Total Cove			_		Prevalence Index worksheet:  Total % Cover of: Multiply by:
Sar	oling/Shrub Stratum 50% of Total Cover:	0	 20% c	of Total Cover:	0	001.0
			•			OBL Species 2.2 x1 = 2.2 FACW Species 0.1 x2 = 0.200
1.			0			FAC Species 0 x 3 = 0
2. 3.			0			FACU Species 0 x4 = 0
3. 4.			0			UPL Species 0 x 5 = 0
4. 5.			0			
_			0			Column Totals: <u>2.3</u> (A) <u>2.400</u> (B)
6.			0			Prevalence Index = B/A =1.043_
7.						
8.			0			Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50%
			0			
10.	Total Cove					✓ Prevalence Index is ≤3.0
Hei	rb Stratum_ 50% of Total Cover:		 20% :	of Total Cover:	0	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
_	Determination albinus		).1		OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	Number lutes		1	<u></u>	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	Equisotum hyomalo		).1	$\overline{\Box}$	FACW	be present, unless disturbed or problematic.
	Carey aquatilis		).1		OBL	
	Sparganium angustifolium		1	$\checkmark$	OBL	Plot size (radius, or length x width)
-			0			% Cover of Wetland Bryophytes (Where applicable)
			0			% Bare Ground
			0			Total Cover of Bryophytes
8.			0			
			0			Hydrophytic
9.						
9.	Total Cove		3			Vegetation Present? Yes  No  No

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SOIL Sampling Point: SW13\_T100\_09

Depth		the depth needed to document the indicator or confirm the absence of indic ### Adaptation   ### Redox Features							
(inches)	Color (moi	st)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
¹Type: C=Co	ncentration. D=	Depletion. F	RM=Reduced	Matrix <sup>2</sup> Location	: PL=Pore	e Lining. RC	=Root Cha	nnel. M=Matrix	
Hydric Soil I	ndicators:			Indicators for Pro	blematic	Hydric So	oils: <sup>3</sup>		
Histosol o	r Histel (A1)		[	Alaska Color Ch	ange (TA4	<b>4</b> l)		Alaska Gleyed Without H	ue 5Y or Redder
	pedon (A2)		[	Alaska Alpine sv	wales (TA5	5)		Underlying Layer	
	Sulfide (A4)		[	Alaska Redox W	/ith 2.5Y F	lue	<b>✓</b>	Other (Explain in Remark	rs)
	k Surface (A12)								
Alaska Gle	, ,							nary indicator of wetland h	ydrology,
Alaska Re				and an appropriate	e iandscap	e position r	nust be pre	esent	
Alaska Gle	eyed Pores (A15	)		<sup>4</sup> Give details of co	lor change	e in Remark	S		
Restrictive Laye	er (if present):								
Type:								Hydric Soil Present	? Yes ⊙ No O
Depth (incl	nes):							,	
Remarks:									
HYDROLO	GY								
Wetland Hyd	rology Indicat	ors:						Secondary Indi	cators (two or more are required)
Primary Indica	ators (any one is	sufficient)						Water Stai	ned Leaves (B9)
✓ Surface V	Vater (A1)			✓ Inundation Vi	sible on A	erial Imagei	ry (B7)	Drainage F	atterns (B10)
High Wat	er Table (A2)			✓ Sparsely Vege	etated Con	cave Surfac	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)
Saturation	n (A3)			☐ Marl Deposits	(B15)			Presence o	f Reduced Iron (C4)
Water Ma	ırks (B1)			Hydrogen Sul	fide Odor	(C1)		Salt Depos	its (C5)
Sediment	Deposits (B2)			Dry-Season W	/ater Table	e (C2)		Stunted or	Stressed Plants (D1)
Drift Depo				Other (Explain	n in Rema	rks)		☐ Geomorph	ic Position (D2)
	or Crust (B4)								uitard (D3)
☐ Iron Depo									raphic Relief (D4)
	oil Cracks (B6)						1	<b>✓</b> FAC-neutra	l Test (D5)
Field Observa		v (a)							
Surface Wate	r Present?	Yes •		Depth (inches	s): 48				
Water Table F	Present?	Yes 🔾	No 🖭	Depth (inches	s):		Wetlar	nd Hydrology Presen	t? Yes • No O
Saturation Pro (includes capi		$_{Yes}  \cap $	No •	Depth (inches	s):				
		ım gauge, n	nonitor well,	aerial photos, prev	ious inspe	ction) if ava	ailable:		
Remarks:									

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