## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site:	Susitna-Watana Hydroelectric Project		Borough/City	. Matanusk	ca-Susitna Borough Sampling Date: 04-Aug-12			
Applicant/Owr	ier: Alaska Energy Authority				Sampling Point: SW12_T99_01			
Investigator(s)			Landform (	form (hillside, terrace, hummocks etc.): Shoreline				
Local relief (co	oncave, convex, none): concave		Slope:		O ° Elevation: 557			
Subregion:	Southcentral Alaska	Lat.:	- 62.6822548	 3754	Long.: -148.936795827 Datum: NAD83			
Soil Map Unit I			02.0022010		NWI classification: PEM1H			
•	drologic conditions on the site typical for this	time of ver	ar? Y6	os ( No (				
	on  , Soil  , or Hydrology				Normal Circumstances" present? Yes  No			
Are Vegetati		-	-		eded, explain any answers in Remarks.)			
-				·				
	OF FINDINGS - Attach site map sho		mpling poi	nt locations	s, transects, important features, etc.			
Hydrop	ohytic Vegetation Present? Yes   No	ipled Area						
-	Soil Present? Yes   No			within a Wetland? Yes   No				
Wetlan	nd Hydrology Present? Yes  No (		Į.		oliana i			
	aracterizing emergent fringe on Stephan Lake minated by persistent emergent veg.	. point at e	eage or comn	nunity due to	water depth. Cannot code as Cowardin lacustrine as			
	minated by persistent emergent vegi							
VEGETATI	ON -Use scientific names of plants. I	List all sp	ecies in th	e plot.	T			
		Absolut		t Indicator	Dominance Test worksheet:			
Tree Stratu		% Cove		Status	Number of Dominant Species That are OBL, FACW, or FAC: (A)			
			-		Total Number of Dominant			
_		_	-		Species Across All Strata: 2 (B)			
			-		Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
5.			- <u>П</u>					
	Total Cove	- <u> </u>			Prevalence Index worksheet:  Total % Cover of: Multiply by:			
Sapling/Sh	rub Stratum 50% of Total Cover:	er: 0	OBL Species x 1 =					
	<u> </u>				FACW Species 0 x 2 = 0			
			-		FAC Species 0 x 3 = 0			
-			-		FACU Species 0 x 4 = 0			
4					UPL Species 0 x 5 = 0			
_		_			Column Totals: (A) (B)			
		^						
-		_			Prevalence Index = B/A = 1.000			
0		0			Hydrophytic Vegetation Indicators:			
9		0			✓ Dominance Test is > 50%			
10		0	_		✓ Prevalence Index is ≤3.0			
	Total Cove		_		Morphological Adaptations (Provide supporting data in			
Herb Strate		-	0% of Total Co		Remarks or on a separate sheet)			
	nculus hyperboreus			OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
_	aquatilis rum palustre	$-\frac{30}{10}$		OBL OBL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
· .	atum fluviatila		_	OBL				
				, JDL	Plot size (radius, or length x width) 2x5m			
-			-		% Cover of Wetland Bryophytes			
5.					(Where applicable)			
5 6		0			(Where applicable)  % Bare Ground			
5 6 7		0						
5 6 7 8		0 0			% Bare Ground			
5 6 7 8 9		0 0			% Bare Ground			
5 6 7 8 9		0 0 0 0 0 0	_	er: 14.4	% Bare Ground  Total Cover of Bryophytes			

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SOIL Sampling Point: SW12\_T99\_01

		he depth nee latrix	ded to docume	ent the indicator or co	nfirm the ab							
Depth (inches)	Color (moi	st)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks			
				Color (moise,		.,,,,						
					-		-					
				<del></del>								
									-			
					-							
			-									
1 <sub>Typol</sub> C-Cor		Donlotion [	OM-Doducoo	Matrix 2 Location	DI -Dor	Lining DC	-Poot Char	nnol M-Matrix				
- Type: C=Cor	<sup>1</sup> Type: C=Concentration. D=Depletion. RM=Reduced Matrix <sup>2</sup> Location: PL=Pore Lining. RC=Root Channel. M=Matrix											
Hydric Soil Indicators: Indicators for Problem					4	ydric Soils:						
Histosol or Histel (A1)			l	Alaska Color Ch				Alaska Gleyed Without Hue 5Y or Redder     Underlying Layer				
Histic Epip			l	Alaska Alpine s	•							
Hydrogen	Sulfide (A4)		l	Alaska Redox V	Vith 2.5Y F	lue	<b>✓</b>	Other (Explain in Remark	(S)			
	Surface (A12)			3 One indicator of	hydrophyt	ic voqotatio	n one prim	nary indicator of wetland h	vedrology			
Alaska Gle	yed (A13)			and an appropriat					lydi ology,			
Alaska Red	. ,			4 Civo details of a		. in Domoule						
☐ Alaska Gle	yed Pores (A15	)		<sup>4</sup> Give details of co	olor chang	e iii Kemark	5					
Restrictive Laye	er (if present):											
Type:								Hydric Soil Present	? Yes 💿 No 🔾			
Depth (inch	nes):											
Remarks:												
	soils due to star	nding water	and hydrop	hytic vegetation .								
		ianig mater	ана нуагор	, ac regetation i								
HYDROLO												
Wetland Hydi									cators (two or more are required)			
	tors (any one is	sufficient)						Water Stained Leaves (B9)				
✓ Surface Water (A1)				☐ Inundation Visible on Aerial Imagery (B7)				_	Patterns (B10)			
☐ High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)					hizospheres along Living Roots (C3)			
Saturation (A3) Marl Deposits (B15)								f Reduced Iron (C4)				
	Water Marks (B1) Hydrogen Sulfide Odor (C1)							☐ Salt Depos	` '			
	Deposits (B2)			☐ Dry-Season V					Stressed Plants (D1)			
	☐ Drift Deposits (B3) ☐ Other (Explain in Remarks)								ic Position (D2)			
	or Crust (B4)								juitard (D3)			
☐ Iron Depo	. ,							_	graphic Relief (D4)			
	oil Cracks (B6)							✓ FAC-neutra	Il Test (D5)			
Field Observa		Yes	Na O	5 11 6 1								
Surface Water	Present?			Depth (inche	s): 6							
Water Table P	resent?	Yes 🔾	No 🖭	Depth (inche	s):		Wetlan	nd Hydrology Presen	t? Yes 💿 No 🔾			
Saturation Pre		Yes $\bigcirc$	No 💿	Depth (inche	s):							
(includes capi				, ,								
Describe Recor	ded Data (strea	ım gauge, n	nonitor well,	aerial photos, prev	vious inspe	ction) if ava	iilable:					
Dam. I												
Remarks:												
lake fringe												

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