WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	a-Susitna Borough	Sampling [Date: 28-Aug-15	
Applicant/Owner: Alaska Energy Authority				Sam	pling Point:	SW15_T333_04	
nvestigator(s): AFW		Landform (hills	side, terrac	e, hummocks etc.):	Shoreline		
_ocal relief (concave, convex, none): none		Slope: 0.0	%/ 0.0) ° Elevation:	-		
Subregion : Interior Alaska Mountains	Lat.:			Long.:		Datum: WGS84	
Soil Map Unit Name:					ssification: P		
Are climatic/hydrologic conditions on the site typical for this	time of vo	ar? Ves	• No ()		in Remarks.)		
Are Vegetation	significar naturally	ntly disturbed? problematic?	Are "N (If nee	lormal Circumstance ded, explain any an	es" present? swers in Rema	Yes 💿 No 🔾 arks.)	
Hydrophytic Vegetation Present? Yes 🖲 No	C						
Hydric Soil Present? Yes No O Is the Sai				npled Area			
Wetland Hydrology Present? Yes No O within a				Vetland? Yes $ullet$ No $igloodow$			
Remarks: alpine lake /EGETATION - Use scientific names of plants. I	List all sp	pecies in the	plot.				
· · ·			·	Dominance Test w	vorksheet:		
Tree Stratum	Absolut % Cove		Indicator Status	Number of Dominar			
1.	-			That are OBL, FAC		(A)	
2.				Total Number of Do Species Across All		0 (B)	
3.				Percent of dominan			
4.				That Are OBL, FAC		(A/B)	
5.				Prevalence Index	workshoot		
Total Cove	er:0	_		Total % Cov		ultiply by:	
Sapling/Shrub Stratum 50% of Total Cover:	0 20	% of Total Cover:	0	OBL Species		x 1 = 0	
1.				FACW Speci		x 2 = 0	
1. 2.		-		FAC Species		x 3 = 0	
3.		-		FACU Specie	es 0 2	x 4 = 0	
4.		-		UPL Species	0	x 5 = 0	
5.				Column Total	le [.] 0	(A) 0 (B)	
6.					-		
7.				Prevalence Ir	ndex = B/A =	1.000	
8.				Hydrophytic Vege	tation Indicato	ors:	
9				Dominance Tes	st is > 50%		
10		_		Prevalence Ind	lex is ≤3.0		
Total Cove _Herb Stratum		 0% of Total Cover	0		Adaptations (Pa a separate shee	¹ ovide supporting data in t)	
1	0			Problematic Hy	drophytic Veget	ation (Explain)	
2.				¹ Indicators of hydric	soil and wetlan	d hydrology must	
3.				be present, unless d			
4.		_		Plot size (radius, or	lenath x width)	_10m	
5				% Cover of Wetland			
6				(Where applicable)	, - p, 000		
7				% Bare Ground		100	
8	-	- 📙		Total Cover of Bryon	phytes		
9	-	- 📙					
	0			Hydrophytic			
10		-					
10Total Cover: 50% of Total Cover:	er: 0	-	0	Vegetation Present?	Yes 🖲 N		

Depth (inches) Color (mois	t) % 	Color (moist) 	<u>%</u> <u>Type¹</u>	_ <u>Loc_</u> 2	Texture	Remarks
				· ·		
				· ·		
Image: Type: C=Concentration. D=D						
¹ Type: C=Concentration. D=D						
¹ Type: C=Concentration. D=D						
¹ Type: C=Concentration. D=D						
¹ Type: C=Concentration. D=D			. <u> </u>			
¹ Type: C=Concentration. D=D						
- Type: C=Concentration. D=L		2				
	Pepletion. RM=Reduc				nel. M=Matrix	
Hydric Soil Indicators:			blematic Hydric So	oils:		
Histosol or Histel (A1)		Alaska Color Ch	,		Alaska Gleyed Without Hu Underlying Layer	ie 5Y or Redder
Histic Epipedon (A2)		Alaska Alpine sv	. ,	_	Other (Explain in Remark	c)
Hydrogen Sulfide (A4)		Alaska Redox W	ith 2.51 Hue	U		5)
Thick Dark Surface (A12) Alaska Gleyed (A13)		³ One indicator of I	nydrophytic vegetatio	on, one prima	ary indicator of wetland h	ydrology,
Alaska Gleyeu (A13)		and an appropriate	e landscape position r	must be pres	ent	
Alaska Gleyed Pores (A15)		⁴ Give details of co	lor change in Remark	s		
Restrictive Layer (if present):					Undrie Ceil Dresent	Yes 🔍 No 🔾
Type: Depth (inches):					Hydric Soil Present	r res 🗢 No 🖯
Remarks: lake, no soil pit, inundated						
HYDROLOGY						
Wetland Hydrology Indicate	ors:				Secondary Indic	ators (two or more are required)
Primary Indicators (any one is	sufficient)				Water Stair	ned Leaves (B9)
Surface Water (A1)		✓ Inundation Vi	sible on Aerial Image	ry (B7)	Drainage P	atterns (B10)
High Water Table (A2)		Sparsely Vege	tated Concave Surface	ce (B8)	Oxidized R	nizospheres along Living Roots (C3)
Saturation (A3)		Marl Deposits	. ,			FReduced Iron (C4)
Water Marks (B1)		Hydrogen Sult			Salt Deposi	
Sediment Deposits (B2)			/ater Table (C2)			Stressed Plants (D1)
Drift Deposits (B3)		Other (Explain	n in Remarks)			c Position (D2)
Algal Mat or Crust (B4)					Shallow Aq	raphic Relief (D4)
Surface Soil Cracks (B6)					FAC-neutra	,
Field Observations:						11051 (003)
Surface Water Present?	Yes No	Depth (inches	s): 40			
	Yes O No O	Depth (inches		Wetlan	d Hydrology Presen	t?Yes 🖲 No 🔾
Water Table Present?			, ,	T Stall	a riyarology riesell	
Water Table Present?		Double /inclusion	·)•			
Water Table Present? Saturation Present? (includes capillary fringe)	Yes 🔿 No 🖲	Depth (inches	<i></i>			
Saturation Present?		1 (,	ailable:		
Saturation Present? (includes capillary fringe)		1 (,	ailable:		
Saturation Present? (includes capillary fringe)		1 (,	ailable:		