WETLAND DETERMINATION DATA FORM - Alaska Region

roject/Site: Susitna-Watana Hydroelectric Project	6	Borough/City:	Matanusk	ca-Susitna Borough Sampling Date: 24-Aug-15			
pplicant/Owner: Alaska Energy Authority				Sampling Point: SW15_T315_02			
vestigator(s): EKJ, SCB		Landform (hill	side, terrac	e, hummocks etc.): lake			
ocal relief (concave, convex, none): flat		Slope: 0.0	% / 0.0) ° Elevation:			
ubregion : Cook Inlet Mountains	Lat.:			Long.: Datum: WGS84			
il Map Unit Name:				NWI classification: L1UBH			
e climatic/hydrologic conditions on the site typical for this tir	no of year	-2 Yes	No ○				
Are Vegetation , Soil , or Hydrology share Vegetation , Soil , or Hydrology	significantly naturally pr ving san	y disturbed? roblematic?	Are "N (If nee	lormal Circumstances" present? Yes No Oeded, explain any answers in Remarks.)			
Hydrophytic Vegetation Present? Yes No		1-	the Com	sulad Avaa			
Hydric Soil Present? Yes ● No ○		ls the Sampled Area within a Wetland? Yes ● No ○					
Wetland Hydrology Present? Yes ● No ○)	W	ithin a W	retiand? res @ No O			
Remarks: large alpine lake							
EGETATION - Use scientific names of plants. Lis	Absolute	Dominant	Indicator	Dominance Test worksheet: Number of Dominant Species			
Tree Stratum 1.	% Cover	Species?	Status	That are OBL, FACW, or FAC: (A)			
2				Total Number of Dominant			
3				Species Across All Strata:0 (B)			
1				Percent of dominant Species That Are OBL, FACW, or FAC:			
5.							
Total Cover:				Prevalence Index worksheet: Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species $0 \times 1 = 0$			
	0		-	FACW Species 0 x 2 = 0			
1 2.				FAC Species 0 x 3 = 0			
2. 3.				FACU Species 0 x 4 = 0			
4.				UPL Species 0 x 5 = 0			
5.				Column Totals: 0 (A) 0 (B)			
6.	•						
7.	0			Prevalence Index = B/A =			
8	0			Hydrophytic Vegetation Indicators:			
9	0			☐ Dominance Test is > 50%			
10	0			Prevalence Index is ≤3.0			
Total Cover: Herb Stratum 50% of Total Cover:		% of Total Cover	:0	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)			
1	0			Problematic Hydrophytic Vegetation (Explain)			
2				¹ Indicators of hydric soil and wetland hydrology must			
3				be present, unless disturbed or problematic.			
4				Plot size (radius, or length x width) 4X8m			
5	_			% Cover of Wetland Bryophytes			
6				(Where applicable)			
7.				% Bare Ground			
8				Total Cover of Bryophytes			
9				Hadaaahatia			
Total Cover:		_		Hydrophytic Vegetation			
	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 (inches) Color (moist) % Color (moist) % Type 1 Loc 2 Texture Remarks

(inches)	Color (moist		Color (moist)	%	Type ¹	<u>Loc ²</u>	Texture	Re	marks
				_					
								B	
¹ Type: C=Con	centration. D=De	epletion. RM=Re	educed Matrix ² Locatio	n: PL=Por	e Lining. R	C=Root Cha	nnel. M=Matrix		
Hydric Soil In	dicators:		Indicators for P			oils:			
Histosol or	Histel (A1)		Alaska Color C	hange (TA	4) ⁴		Alaska Gleyed Without H	ue 5Y or Redder	
Histic Epipe	edon (A2)		Alaska Alpine				Underlying Layer		
Hydrogen S	Sulfide (A4)		Alaska Redox	With 2.5Y I	Hue	✓	Other (Explain in Remark	s)	
	Surface (A12)								
Alaska Gley	. ,						ary indicator of wetland h	ydrology,	
Alaska Red			and an appropria	te iandsca	pe position	must be pre	sent		
	ed Pores (A15)		⁴ Give details of o	olor chang	e in Remar	ks			
Restrictive Laye									
Type:	() ,						Hydric Soil Present	? Yes ●	No O
Depth (inch	es):						nyane son i resene		
	,								
Remarks:									
no soil pit, inune	dated. assume hy	aric soii.							
HYDROLO	GY								
	ology Indicato	rs:					Secondary Indi	cators (two or mor	e are required)
-	ors (any one is s							ned Leaves (B9)	
✓ Surface W	ater (A1)		✓ Inundation \	/isible on A	erial Image	erv (B7)		atterns (B10)	
	r Table (A2)		Sparsely Veg		-	, , ,		hizospheres along	Living Roots (C3)
Saturation	` '		☐ Marl Deposit		icave surra	icc (bo)		f Reduced Iron (C	. ,
☐ Water Mar	. ,		Hydrogen Su		(C1)		Salt Depos	•	• 7
	Deposits (B2)		Dry-Season					Stressed Plants (D	01)
☐ Drift Depo			Other (Expla		` '			c Position (D2)	-,
	or Crust (B4)		Outer (Explo	iii iii recina	1110)		_	uitard (D3)	
☐ Iron Depo								raphic Relief (D4)	
I — ·	oil Cracks (B6)						FAC-neutra		
Field Observa								(= 0)	
Surface Water		Yes • No	O Depth (inche	es): 0					
Water Table P		Yes O No		•		Wetlan	nd Hydrology Presen	t? Yes 💿	No O
Saturation Pre		Yes O No	2000(•		Tr ctia:	.u,u.o.og,coc	. 105	110
(includes capill		Yes ∪ No '	Depth (inche	es):					
Describe Record	led Data (stream	gauge, monito	r well, aerial photos, pre	vious inspe	ection) if av	ailable:			
Remarks:									
total depth of la	ike unknown.								
1									

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