WETLAND DETERMINATION DATA FORM - Alaska Region

ject/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	xa-Susitna Borough Sampling Date: 07-Jul-13			
olicant/Owner: Alaska Energy Authority			-	Sampling Point: SW13_T187_05			
estigator(s): JGK	ı	Landform (hills	side, terrac	ce, hummocks etc.): depression			
cal relief (concave, convex, none): concave				° Elevation: 622			
pregion : Interior Alaska Mountains		· 62.838154554		Long.: -148.190824986 Datum: WGS84			
I Map Unit Name:		72.000104004		NWI classification: L1UBH			
e climatic/hydrologic conditions on the site typical for this time	- of	yos (● No ○				
	nificantly turally pro	disturbed?	Are "N (If nee	lormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.)			
Hydrophytic Vegetation Present? Yes No No	ng sam		iocationic	s, transcoto, important reatures, etc.			
Hydric Soil Present? Yes No •		ls '	the Sam	pled Area			
		wi	thin a W	/etland? Yes ○ No •			
, 0,							
Remarks: At point of lake outflow. Well developed lacustring composed of Nuphar. DUNN Lake 1448 and str	eam 1449	9.		im exiting lake, but this plot describes the aquatice bed			
,	bsolute	Dominant	Indicator	Dominance Test worksheet:			
	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)			
1	0			That are OBL, FACW, or FAC:			
2	0			Species Across All Strata:1(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 Cover:				Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover: 0	20%	of Total Cover:	0	OBL Species			
1	0			FACW Species 0 x 2 = 0			
2.	0			FAC Species0 x 3 =0			
3.	0			FACU Species 0 x 4 = 0			
4	0			UPL Species <u>15</u> x 5 = <u>75</u>			
5	0			Column Totals:15 (A)75 (B)			
6	0						
7	0			Prevalence Index = B/A =5.000_			
8	0			Hydrophytic Vegetation Indicators:			
9				Dominance Test is > 50%			
10.				Prevalence Index is ≤3.0			
Total Cover: Herb Stratum 50% of Total Cover:(0 20%	of Total Cover	0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
Nuphar luteum ssp. polysepalum	15	✓	UPL	Problematic Hydrophytic Vegetation (Explain)			
2.	0			¹ Indicators of hydric soil and wetland hydrology must			
3	0			be present, unless disturbed or problematic.			
4				Plot size (radius, or length x width) 10m			
5				% Cover of Wetland Bryophytes			
	0			(Where applicable)			
6	_	\Box		% Bare Ground			
7.	0						
7	0			Total Cover of Bryophytes			
7	0 0						
7. 8. 9. 0.	0 0 0			Hydrophytic			
7	15	of Total Cover					

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SOIL

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

Pepth Redox Features

Redox Features

Profile Description:	•	depth nee trix	ded to docur	ocument the indicator or confirm the absence of indicators) Redox Features					
(inches)	Color (moist)		%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
¹Type: C=Conce	entration. D=De	epletion. I	RM=Reduce	ed Matrix ² Loca				nnel. M=Matrix	
Hydric Soil Ind	licators:			Indicators for	Problemati	c Hydric So	oils: ³		
Histosol or H	Histosol or Histel (A1) Alaska Color Change (TA4)						Alaska Gleyed Without Hi	ue 5Y or Redder	
Histic Epiped	lon (A2)			Alaska Alpin	e swales (TA	5)		Underlying Layer	
Hydrogen Su	ulfide (A4)			Alaska Redo	x With 2.5Y I	Hue	✓	Other (Explain in Remark	s)
Thick Dark S	Surface (A12)			3 One indicator	of budsonbud	tia vaaatatia		nary indicator of wetland h	udvala av
Alaska Gleye	ed (A13)			and an approp					ydrology,
Alaska Redox	. ,			4 Give details o	f color chang	o in Domark			
	ed Pores (A15)			- Give details o	Color Chang	e iii Keiliaik	.5		
Restrictive Layer ((if present):								
Type:								Hydric Soil Present	? Yes ○ No •
Depth (inches	5):								
HYDROLOG	Υ								
Wetland Hydrol								Secondary India	cators (two or more are required)
Primary Indicator		ufficient)							ned Leaves (B9)
✓ Surface Wat	. ,			✓ Inundatio					atterns (B10)
High Water					egetated Cor	ncave Surfac	ce (B8)		nizospheres along Living Roots (C3)
Saturation (•			Marl Depo	. ,				f Reduced Iron (C4)
☐ Water Marks	- ()				Sulfide Odor			☐ Salt Depos	
Sediment De					n Water Tabl plain in Rema			✓ Geomorphi	Stressed Plants (D1)
Algal Mat or	,			□ Other (Ex	ріані ін кеніа	irks)		Shallow Ag	` '
☐ Iron Deposit									raphic Relief (D4)
Surface Soil								FAC-neutra	
Field Observation									. ,
Surface Water P	resent?	Yes	$_{No}$ \bigcirc	Depth (in	ches):				
Water Table Pres	esent?	Yes 🔾	No 💿	Depth (in	ches):		Wetlar	nd Hydrology Presen	t? Yes 💿 No 🔾
Saturation Prese (includes capillar		Yes O	No	Depth (in	,				
Describe Recorde		gauge, r	monitor we	• •		ection) if ava	nilable:		
Remarks:									

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