## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	B	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 20-Aug-15
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW15_T305_02
nvestigator(s): GVF		Landform (hills	side, terrac	e, hummocks etc.): Flat
.ocal relief (concave, convex, none): flat		Slope: 0.0	%/ 0.0	e Elevation:
Subregion : Interior Alaska Mountains	Lat.:			Long.: Datum: WGS84
oil Map Unit Name:	-			NWI classification: PUBH
re climatic/hydrologic conditions on the site typical for this ti	mo of voor	2 Ves (	• No ()	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly naturally pr	y disturbed? oblematic?	Are "N (If nee	ormal Circumstances" present? Yes $ullet$ No $igodot$ Nedd, explain any answers in Remarks.)
Hydrophytic Vegetation Present?       Yes        No          Hydric Soil Present?       Yes        No          Wetland Hydrology Present?       Yes        No	the Sam	npled Area Vetland? Yes  No		
Remarks: pond with floating mat sedge fringe.				
<b>/EGETATION -</b> Use scientific names of plants. Li	ist all spe Absolute		olot. Indicator	Dominance Test worksheet:
Tree Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
1	. <u> </u>			Total Number of Dominant
2.				Species Across All Strata: 0 (B)
3				Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
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 $0 \times 1 = 0$
4				FACW Species $0 \times 2 = 0$
1				FAC Species $0 \times 3 = 0$
3.	-			FACU Species $0 \times 4 = 0$
4.				UPL Species $0 \times 5 = 0$
5.				
6.	-			
7.				Prevalence Index = B/A = 0.000
8.				Hydrophytic Vegetation Indicators:
9.				Dominance Test is > 50%
10				Prevalence Index is ≤3.0
Total Cover Herb Stratum 50% of Total Cover:		6 of Total Cover:	0	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
1				$\checkmark$ Problematic Hydrophytic Vegetation (Explain)
2.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3.				be present, unless disturbed or problematic.
4.				
5.				Plot size (radius, or length x width) <u>4x8m</u>
6.	-			% Cover of Wetland Bryophytes (Where applicable)
7				% Bare Ground
8.				Total Cover of Bryophytes
9				
10				Hydrophytic
<b>Total Cover</b> 50% of Total Cover:	-	of Total Cover:		Vegetation Present? Yes • No ·
		UI TULAI COVEL.	0	

	Matriz		cument the indicator or co <b>Re</b>	dox Featur		ators)			
Depth (inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc 2	Texture	Remarks	
. <u> </u>			·			-			
·									
<sup>1</sup> Type: C=Concent	ration. D=Deple	etion. RM=Red	uced Matrix <sup>2</sup> Locatio	n: PL=Pore	Lining. RC	C=Root Cha	nnel. M=Matrix		
Hydric Soil Indica	ators:		Indicators for P	roblematic	Hydric Se	oils: <sup>3</sup>			
Histosol or Hist	el (A1)		🗌 Alaska Color C	hange (TA4)	4 )		Alaska Gleyed Without H	ue 5Y or Redder	
Histic Epipedor	n (A2)		Alaska Alpine	swales (TA5)	)	_	Underlying Layer		
Hydrogen Sulfie	de (A4)		Alaska Redox	With 2.5Y H	Je	$\checkmark$	Other (Explain in Remark	s)	
Thick Dark Sur	face (A12)		30						
Alaska Gleyed (	(A13)		One indicator of and an appropria				nary indicator of wetland h esent	ydrology,	
Alaska Redox (	A14)				•	•			
Alaska Gleyed I	Pores (A15)		<sup>4</sup> Give details of c	olor change	In Remark	(S			
Restrictive Layer (if	present):								
Type:							Hydric Soil Present	? Yes 🖲 No 🔾	
Depth (inches):							-		
Remarks:									
inundated, assume I	hydric soil								
	-								
HYDROLOGY									
Wetland Hydrolog							Secondary Indi	ators (two or more are required)	
Primary Indicators								ned Leaves (B9)	
Surface Water			Inundation \	/isible on Ae	rial Image	rv (B7)	_	atterns (B10)	
High Water Ta	. ,		Sparsely Vec		-			nizospheres along Living Roots (C3)	
Saturation (A3	. ,		Marl Deposit				Presence of Reduced Iron (C4)		
Water Marks (I			Hydrogen Su	. ,	C1)		Salt Deposits (C5)		
Sediment Dep			Dry-Season				Stunted or Stressed Plants (D1)		
Drift Deposits			Other (Expla			Geomorphic Position (D2)			
Algal Mat or C	rust (B4)				-		Shallow Aq	uitard (D3)	
Iron Deposits (	(B5)						Microtopog	raphic Relief (D4)	
Surface Soil Cr	acks (B6)						FAC-neutra	l Test (D5)	
Field Observation									
Surface Water Pres	sent? Ye	s 🔍 No C		es):					
Water Table Prese	nt? Ye	s 🔿 No 🖲	) Depth (inche	es):		Wetla	nd Hydrology Presen	t? Yes $ullet$ No $igcap$	

Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:

Depth (inches):

Remarks:

plot is pond. Trace Nuphar in this end of pond, estimate depth less than 2m.

Yes 🔿 No 🖲

Saturation Present? (includes capillary fringe)