## 

			- Alaska Region					
Project/Site: Susitna-Watana Hydroelectric Project	Borough/C	ity: Matanusk	a-Susitna Borough	Sampling Date:	23-Aug-15			
Applicant/Owner: Alaska Energy Authority			Sampl	ing Point:	SW15_T308_11			
Investigator(s): GVF	Landform	ı (hillside, terrac	e, hummocks etc.):	Shoreline				
Local relief (concave, convex, none): flat	Slope:	0.0 % / 0.0	Elevation:					
Subregion : Interior Alaska Mountains	Lat.:		Long.:		Datum: WGS84			
Soil Map Unit Name: NWI classification: PUBH								
Are Vegetation . , Soil . , or Hydrology . na	gnificantly disturbed aturally problematic	c? (If nee	(If no, explain in ormal Circumstances ded, explain any answ	" present? Ye wers in Remarks				
<b>SUMMARY OF FINDINGS</b> - Attach site map showing sampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present?       Yes        No        Is the Sampled Area within a Wetland?         Hydric Soil Present?       Yes        No        Is the Sampled Area within a Wetland?         Wetland Hydrology Present?       Yes        No        No          Remarks:       Yes        No        Yes								
VEGETATION - Use scientific names of plants. List	t all species in t	the plot.						
	· ·		Dominance Test wo	orksheet:				
	Absolute Domina % Cover Specie		Number of Dominant That are OBL, FACW		(A)			
	L	]	Total Number of Dom	inant				
	<u>_</u> _	ן ר	Species Across All St	rata:	(B)			
3. 4.		]	Percent of dominant S That Are OBL, FACW		0.0% (A/B)			
5		]	Prevalence Index w	orksheet:				
Total Cover:			Total % Cover	r of: Multipl	ly by:			
Sapling/Shrub Stratum 50% of Total Cover: 0	) 20% of Total Co	over: <u>0</u>	OBL Species	<u>0.3</u> x 1 =	=0.3			
1		]	FACW Species	s x 2 =	=			
2.		]	FAC Species	x 3 =	=			
3.		]	FACU Species	x 4 =	=			
4		]	UPL Species	<u> </u>	=			
5.	□	]	Column Totals:	: <u>0.3</u> (A)	<u>0.300</u> (B)			
6	L		Prevalence Ind	$lov = R/\Lambda =$	1 000			
7	L			ex = B/A =	1.000			
8	L		Hydrophytic Vegeta	tion Indicators:				
9	L		Dominance Test	is > 50%				
10	L		Prevalence Index	: is ≤3.0				
Total Cover:           Herb Stratum         50% of Total Cover:	0 0 20% of Total C	Cover: 0	Morphological Ad Remarks or on a		le supporting data in			
1. Nuphar polysepala	0.1	OBL	Problematic Hydr	rophytic Vegetation	ı (Explain)			
2. Comarum palustre	0.1	OBL	<sup>1</sup> Indicators of hydric s	oil and wetland hyd	drology must			
3 Menyanthes trifoliata	0.1	OBL	be present, unless dis					
4.	0		Plot size (radius, or le	nath x width)				
5	0		% Cover of Wetland E	•	_2x10m			
6	0		(Where applicable)	, jopilyces				

Remarks:	trace Myriophorum sp. Less than 5% total herb cover, thus no species considered dominant	This is a largely unvegetated pond.

0 0

0

0

0

\_\_\_\_\_0.3\_\_\_\_

50% of Total Cover: 0.15 20% of Total Cover: 0.06

**Total Cover:** 

% Bare Ground

Hydrophytic Vegetation

Present?

Total Cover of Bryophytes

Yes 💿 No 🔾

7. \_\_\_\_\_

8.

9.

10.

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)          Matrix       Redox Features								
Depth (inches)	Color (mois			%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	Color (mois	<u>%</u>	Color (moist)	9/0	Type -	LOC -	Texture	Keinarks
	. <u> </u>		,					
	·			-	-			
			p	·				
<sup>1</sup> Type: C=Cor	ncentration. D=[	Depletion. RM=Reduc	ed Matrix <sup>2</sup> Location	: PL=Pore	e Lining. RC	C=Root Cha	nnel. M=Matrix	
Hydric Soil I	ndicators:		Indicators for Pr		4	oils: <sup>3</sup>	_	
Histosol or	r Histel (A1)		Alaska Color Ch	nange (TA4	1) <b>*</b>		] Alaska Gleyed Without F	ue 5Y or Redder
Histic Epip	edon (A2)		🗌 Alaska Alpine s	wales (TAS	5)		Underlying Layer	
	Sulfide (A4)		Alaska Redox V	Vith 2.5Y H	lue	$\checkmark$	Other (Explain in Remar	ks)
	Surface (A12)							
Alaska Gle	( )						nary indicator of wetland l	nydrology,
			and an appropriat	e landscap	e position r	must be pre	esent	
Alaska Red	. ,		<sup>4</sup> Give details of co	olor change	e in Remark	s		
Alaska Gle	eyed Pores (A15)			lor analig				
Restrictive Laye	er (if present):							
Type:							Hydric Soil Present	? Yes 🔍 No 🔾
Depth (inch	nes):							
Remarks:								
inundated pond	d, assume hydrio	: soil.						
	<u></u>							
HYDROLO								
-	rology Indicat							cators (two or more are required)
Primary Indica	tors (any one is	sufficient)					Water Sta	ned Leaves (B9)
✓ Surface W	/ater (A1)		Inundation V	isible on A	erial Image	ry (B7)	Drainage	Patterns (B10)
🗌 High Wate	er Table (A2)		Sparsely Veg	etated Cor	cave Surfa	ce (B8)	Oxidized F	hizospheres along Living Roots (C3)
Saturation	n (A3)		Marl Deposite	s (B15)			Presence	of Reduced Iron (C4)
	Water Marks (B1)     Hydrogen Sulfide Odor (C1)     Salt Deposits (C5)					sits (C5)		
	diment Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1)							
			<ul> <li>○ Other (Explain in Remarks)</li> <li>○ Other (Explain in Remarks)</li> <li>✓ Geomorphic Position (D2)</li> </ul>					
· ·	. ,			n in Reilla	15)			
	or Crust (B4)							quitard (D3)
Iron Depo	. ,							graphic Relief (D4)
Surface S	oil Cracks (B6)					1	FAC-neutr	al Test (D5)
Field Observa								
Surface Water	r Present?	Yes 🕙 No 🔾	Depth (inche	s): 24				
Water Table P	Present?	Yes 🔿 No 🖲	Depth (inche	c).		Wetla	nd Hydrology Preser	it? Yes 🖲 No 🔾
Saturation Pre			Depth (inche				,	
(includes capi		Yes 🔿 No 🖲	Depth (inche	s):				
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:								
Demester								
Remarks:								