## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	a-Susitna Borough Sampling Date:04-Sep-13		
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T130_05		
Investigator(s): JGK		Landform (hills	side, terrac	e, hummocks etc.): depression		
Local relief (concave, convex, none): none		Slope:	%/ 24.4	4 ° Elevation: 107		
Subregion : Interior Alaska Mountains	Lat.: 63.0404869374 Long.: -148.13054005 Datum: NAD83					
Soil Map Unit Name:	NWI classification: PUBHb					
	significan naturally	ntly disturbed? problematic?	(If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes  No ( Hydric Soil Present? Yes  No ( Wetland Hydrology Present? Yes  No ( Remarks: 2 beaver lodges.	) )	wit	thin a W	ipled Area Vetland? Yes  No O		
VEGETATION - Use scientific names of plants. L	Absolute	e Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum	<u>% Cove</u>		Status	Number of Dominant Species       That are OBL, FACW, or FAC:       0   (A)		
2	0			Total Number of Dominant		
2				Species Across All Strata: 0 (B)		
4.						
	- 0	-		Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)		
5.				That Are OBL, FACW, or FAC:		
	0					
5.	0 0 r: 0		0	That Are OBL, FACW, or FAC:         0.0%         (A/B)           Prevalence Index worksheet:         ••••••••••••••••••••••••••••••••••••		
5. Total Cover Sapling/Shrub Stratum 50% of Total Cover:	0 0 r: 0		0	That Are OBL, FACW, or FAC:       0.0%       (A/B)         Prevalence Index worksheet:       Total % Cover of:       Multiply by:         ODL 0 worksheet:       0.0%       1		
5 Total Cover	0 0 r: 0		 0	That Are OBL, FACW, or FAC:       0.0%       (A/B)         Prevalence Index worksheet:       Total % Cover of:       Multiply by:         OBL Species       0       x 1 =       0		

p					
1.		0			FACW Species x 2 =
0		0			FAC Species x 3 =
2		0			FACU Species <u>0</u> x 4 = <u>0</u>
		0			UPL Species $0 \times 5 = 0$
-		0			Column Totals: 0 (A) 0 (B)
		0			
•.		0			Prevalence Index = B/A =0.000
•		0			Hydrophytic Vegetation Indicators:
0		0			Dominance Test is > 50%
		0			Prevalence Index is $\leq 3.0$
	Total Cover:	0			Morphological Adaptations <sup>1</sup> (Provide supporting data in
Herb Stratum	50% of Total Cover:0	20%	of Total Cover:	0	Remarks or on a separate sheet)
1.		0			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
		0			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
		0			be present, unless disturbed or problematic.
		0			Plot size (radius, or length x width) <u>10m</u>
•		0			% Cover of Wetland Bryophytes (Where applicable)
		0			% Bare Ground 0
•		0			Total Cover of Bryophytes
		0			
		0			Hydrophytic
	Total Cover:	0			Vegetation
	50% of Total Cover:	20%	of Total Cover:(	0	Present? Yes $\bullet$ No $\bigcirc$
Remarks: Unvegetate	d pond.				

Profile Description		e depth nee <b>atrix</b>	ded to docur	nent the indicator or co	nfirm the ab dox Featu		cators)	_			
(inches)	Color (moist	:)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
								· · · · · · · · · · · · · · · · · · ·			
							-				
<sup>1</sup> Type: C=Concentration. D=Depletion. RM=Reduced Matrix <sup>2</sup> Location: PL=Pore Lining. RC=Root Channel. M=Matrix											
Hydric Soil Ir	dicators:			Indicators for Pr	oblemati	c Hydric S	oils: <sup>3</sup>				
Histosol or				Alaska Color C		4		] Alaska Gleyed Without H	ue 5Y or Redder		
Histic Epipe	. ,			Alaska Alpine s		,		Underlying Layer			
	Sulfide (A4)			Alaska Redox \		,	$\checkmark$	Other (Explain in Remark	(S)		
	Surface (A12)										
Alaska Gley	. ,							nary indicator of wetland h	nydrology,		
Alaska Red	. ,			and an appropriat	te landscap	be position	must be pre	esent			
	/ed Pores (A15)			<sup>4</sup> Give details of o	olor chang	e in Remarl	ks				
Restrictive Laye	r (if present):										
Type:								Hydric Soil Present	? Yes 🖲 No 🔾		
Depth (inch	es):										
Remarks:											
unvegetated po	nd, assume hydi	ric soil									
HYDROLO	GY										
Wetland Hydr								Secondary Indi	cators (two or more are required)		
Primary Indicat	Primary Indicators (any one is sufficient) Water Stained Leaves (B9)							ned Leaves (B9)			
Surface W	Surface Water (A1) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10)							Patterns (B10)			
High Wate	r Table (A2)			Sparsely Veg	etated Cor	ncave Surfa	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)		
Saturation											
Water Mar	ks (B1)	B1)     Hydrogen Sulfide Odor (C1)     Salt Deposits (C5)							sits (C5)		
_	Deposits (B2)		Dry-Season Water Table (C2) Stunted or Stressed Plants (D1)								
Drift Depo	( )			Other (Expla	in in Rema	rks)			ic Position (D2)		
Algal Mat	or Crust (B4)							_	quitard (D3)		
Iron Depo	sits (B5)								graphic Relief (D4)		
Surface Sc	oil Cracks (B6)							FAC-neutra	al Test (D5)		
Field Observa	tions:		$\sim$								
Surface Water	Present?	Yes 🖲	No $\bigcirc$	Depth (inche	es):						
Water Table P	resent?	$_{\rm Yes} \bigcirc$	No 🖲	Depth (inche	es):		Wetla	nd Hydrology Presen	it? Yes $lacksquare$ No $igodom$		
Saturation Pre		Yes 〇			,						
(includes capil	ary fringe)			Depth (inche	:5):						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
pond.											