## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Wata	ana Hydroelectric Project		orough/City:	Matanusk	a-Susitna Borough Sampling Date: 08-Jul-13			
Applicant/Owner: Alaska E	nergy Authority	Sampling Point: SW13_T128_05						
nvestigator(s): JER		e, hummocks etc.): Channel (active)						
_ocal relief (concave, convex	a, none): none		Slope:	%/ 1.3	B° Elevation: 104			
Subregion : Southcentral Ala	aska	Lat.: 6	62.945271015		Long.: -148.860623598 Datum: NAD83			
Soil Map Unit Name:		_			NWI classification: R2UBH			
-	ions on the site typical for this	time of year?	yes Yes	• No ()	(If no, explain in Remarks.)			
, _	il, or Hydrology	significantly			Iormal Circumstances" present? Yes  No			
Are Vegetation $\checkmark$ , Soi					eded, explain any answers in Remarks.)			
SUMMARY OF FINDIN	GS - Attach site map sh	owing sam	pling point	locations	s, transects, important features, etc.			
Hydrophytic Vegetatio	n Present? Yes 🖲 No	0						
Hydric Soil Present?	Yes 🔍 No	0			npled Area			
Wetland Hydrology Pr	resent? Yes • No	0	wi	thin a W	/etland? Yes $\odot$ No $\bigcirc$			
	soil bottom, 28ft wide, 5ft d		t124-02., we	t sedge me	eadow banks.			
	entific names of plants.	List all spo	cioc in the	nlat				
				-	Dominance Test worksheet:			
Tree Stratum		Absolute % Cover	Dominant Species?	Indicator Status	Number of Dominant Species			
1					That are OBL, FACW, or FAC: (A)			
					Total Number of Dominant Species Across All Strata: 0 (B)			
2		0						
		0			Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)			
5.		0						
	Total Cov	er: 0			Prevalence Index worksheet: Total % Cover of: Multiply by:			
Sapling/Shrub Stratum	50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species $0 \times 1 = 0$			
	P				FACW Species $0 \times 2 = 0$			
0		0			FAC Species $0 \times 3 = 0$			
		0			FACU Species $0 \times 4 = 0$			
		0			UPL Species $0 \times 5 = 0$			
_		-						
-					Column Totals: <u>0</u> (A) <u>0</u> (B)			
					Prevalence Index = B/A =0.000			
8.		0			Hydrophytic Vegetation Indicators:			
		0			Dominance Test is > 50%			
10.		0			Prevalence Index is ≤3.0			
	Total Cov	er: 0			Morphological Adaptations <sup>1</sup> (Provide supporting data in			
		200/	of Total Cover	: 0				
<u>Herb Stratum</u>	50% of Total Cover:	0 20%		· · ·	Remarks or on a separate sheet)			
					Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
1		0			Remarks or on a separate sheet) Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must			
1.       2.		0			Remarks or on a separate sheet) Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
1.       2.       3.		0 0 0			Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
1.         2.         3.         4.					Remarks or on a separate sheet)         Image: Constraint of the separate sheet         Image: Constraint of the			
1.         2.         3.         4.         5.         6.					Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
1.         2.         3.         4.         5.         6.         7.					Remarks or on a separate sheet)         Image: Problematic Hydrophytic Vegetation 1 (Explain)         1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Plot size (radius, or length x width)         10m         % Cover of Wetland Bryophytes			
1.         2.         3.         4.         5.         6.         7.         8.					Remarks or on a separate sheet)         Image: Constraint of the separate sheet of the separate s			
1.         2.         3.         4.         5.         6.         7.         8.		0 0 0 0 0 0 0 0 0 0 0 0 0			Remarks or on a separate sheet)         Image: Problematic Hydrophytic Vegetation 1 (Explain)         1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Plot size (radius, or length x width)         10m         % Cover of Wetland Bryophytes         (Where applicable)         % Bare Ground			
1.         2.         3.         4.         5.         6.         7.         8.         9.					Remarks or on a separate sheet)         Image: Problematic Hydrophytic Vegetation 1 (Explain)         1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Plot size (radius, or length x width)       10m         % Cover of Wetland Bryophytes			
1.         2.         3.         4.         5.         6.         7.         8.         9.		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Remarks or on a separate sheet)         ✓       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes			

SOI	L

Profile Description		ie depth need <b>atrix</b>	ded to docum	nent the indicator or co <b>Re</b>	nfirm the ab dox Featu		cators)			
(inches)	Color (mois	t)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Re	emarks
									-	
									8	
	·					-				
<sup>1</sup> Type: C=Con	centration. D=I	Depletion. F	M=Reduce	ed Matrix <sup>2</sup> Locatio	n: PL=Por	e Lining. RC	C=Root Cha	nnel. M=Matrix		
Hydric Soil Ir	dicators:			Indicators for P	oblemati	c Hydric S	oils: <sup>3</sup>			
Histosol or	Histel (A1)			Alaska Color C		4		Alaska Gleyed Without H	ue 5Y or Redder	
Histic Epipe	. ,			Alaska Alpine	swales (TA	5)		Underlying Layer		
	Sulfide (A4)			Alaska Redox	Nith 2.5Y H	lue	$\checkmark$	Other (Explain in Remark	s)	
	Surface (A12)									
Alaska Glev	. ,			<sup>3</sup> One indicator of and an appropria	hydrophyl	tic vegetatio	on, one prin	nary indicator of wetland h	ydrology,	
Alaska Red				and an appropria	te landscap	be position i	must be pre	esent		
Alaska Glev	ed Pores (A15)			<sup>4</sup> Give details of c	olor chang	e in Remarl	ks			
Restrictive Laye	r (if present):									
Type:	. ( p							Hydric Soil Present	?Yes 🖲	No O
Depth (inch	es):									
Remarks:	•									
active channel,	assume hydric (	soil								
active channel,		5011								
HYDROLO	GY									
Wetland Hydr	-	ors:						Secondary Indi	cators (two or mo	re are required)
Primary Indicat									ned Leaves (B9)	
Surface W	ater (A1)			Inundation \	/isible on A	erial Image	erv (B7)		atterns (B10)	
High Wate	r Table (A2)			Sparsely Veg		-				Living Roots (C3)
Saturation				Marl Deposit				_	f Reduced Iron (C	
🗌 Water Mar	ks (B1)			Hydrogen Su	. ,	(C1)		Salt Depos	its (C5)	-
Sediment	Deposits (B2)			Dry-Season				Stunted or	Stressed Plants (I	01)
Drift Depo				Other (Expla		. ,		✓ Geomorph	c Position (D2)	
Algal Mat	or Crust (B4)					-		Shallow Ac	uitard (D3)	
Iron Depo	sits (B5)							Microtopog	raphic Relief (D4)	1
Surface Sc	oil Cracks (B6)							FAC-neutra	l Test (D5)	
Field Observa	tions:	_	_							
Surface Water	Present?	Yes 🖲	No 〇	Depth (inche	es): 60					
Water Table P	resent?	$_{\rm Yes} \bigcirc$	No 🖲	Depth (inche	es): 0		Wetla	nd Hydrology Presen	t?Yes 🖲	No 🔿
Saturation Pre (includes capil		$_{\rm Yes}$ $\bigcirc$	No 🖲	Depth (inche						
		m anua -		l porial shot		otion) if -	ailablar			
Describe Record	ieu Data (střea	n gauge, n	IOTILOF WEI	l, aerial photos, pre	vious inspe	cuon) ir ava				
Dementer										
Remarks:										
perrenial creek										