## WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	a-Susitna Borough Sampling Date: 20-Jun-12
pplic	ant/Owner: Alaska Energy Authority				Sampling Point: SW12_T27_01
nvest	gator(s): JGK	side, terrac	e, hummocks etc.): Bench		
ocal	elief (concave, convex, none): hummocky		Slope:	%/ 6.0	) ° Elevation: 924
uhre	jion : Interior Alaska Mountains	lat ·	62.874288172		Long.: -148.66288567 Datum: NAD83
		Lut.	02.074200172	- 1	0
	ap Unit Name:			• No ()	NWI classification: PEM1/SS1B
Are \ Are \	/egetation □ , Soil □ , or Hydrology □ MARY OF FINDINGS - Attach site map sho	significant naturally p wing sar	ly disturbed? problematic?	Are "N (If nee	(If no, explain in Remarks.) lormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes  No C	)		the Sem	upled Area
	Hydric Soil Present? Yes	)			pled Area (etland? Yes $\bullet$ No $\bigcirc$
	Wetland Hydrology Present? Yes  No C	)	W	thin a W	etland? fes e No C
Rem	arks: No restrictive layer up to 3 ft				
	ETATION - Use scientific names of plants. L	ist all sp Absolute % Cover	e Dominant	plot. Indicator Status	Dominance Test worksheet: Number of Dominant Species
1.		0			That are OBL, FACW, or FAC: (A)
2.		0			Total Number of Dominant Species Across All Strata: 3 (B)
3.		0			Percent of dominant Species
4.		0			That Are OBL, FACW, or FAC: 100.0% (A/B)
5.		0	-		
	Total Cover	. 0	-		Prevalence Index worksheet: Total % Cover of: Multiply by:
Sar	ling/Shrub Stratum 50% of Total Cover:	0 20%	- % of Total Cover:	0	
1.	Salix pulchra	2		FACW	
2.	Betula nana	25		FAC	
3.	Vaccinium uliginosum		_	FAC	
4.	Andromeda polifolia (IAM)		- 📙	OBL	
5.	Empetrum nigrum		- 🗆	FAC	Column Totals: <u>100</u> (A) <u>199</u> (B)
6.			- 📙		Prevalence Index = $B/A = 1.990$
7.			- 📙		
8.		0	- 🗌		Hydrophytic Vegetation Indicators:
		0	- 🗌		
10.	Tatal Cause				✓ Prevalence Index is $\leq 3.0$
He	Total Cover <u>b Stratum</u> 50% of Total Cover:		% of Total Cover	9.6	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
	Carex aquatilis	40	_	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	Comarum palustre		- Ц	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	Rubus chamaemorus		- Ц	FACW	be present, unless disturbed or problematic.
	Equisetum pratense	-	- 💾	FACW	Plot size (radius, or length x width)
					% Cover of Wetland Bryophytes 5
			- 📙		(Where applicable)
			- —		% Bare Ground
					Total Cover of Bryophytes 15
10		0	- 🗆		Hydrophytic Vegetation
10.					Veneration
10.	<b>Total Cover</b> 50% of Total Cover:	-	-	40.5	Present? Yes • No O

	ription: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Matrix Redox Features		ators)						
Depth (inches)	Color (mois	t)	%	Color (moist)	%	Type <sup>1</sup>	Loc 2	Texture	Remarks
0-2.5								Fibric Organics	
2.5-3.5	10YR	3/2	80					Loamy Sand	20% roots
3.5-11					-	,		Fibric Organics	
11-18								Hemic Organics	Hemic Organics
									-
								·	
	·						p		
1									-
		Depletion.	RM=Reduce	ed Matrix <sup>2</sup> Location		-		annel. M=Matrix	
Hydric Soil I						4	olis:		
Histosol o				Alaska Color Ch			L	Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder
	bedon (A2)			Alaska Alpine sv				Other (Explain in Remark	(S)
	Sulfide (A4) k Surface (A12)							- <b>(</b> )	,
	eyed (A13)							mary indicator of wetland h	ydrology,
Alaska Ok				and an appropriate	e landscap	e position n	nust be pro	esent	
	eyed Pores (A15)			<sup>4</sup> Give details of co	lor chang	e in Remark	S		
Restrictive Lay	er (if present):								
Type:								Hydric Soil Present	? Yes 🖲 No 🔾
Depth (inc	hes):								
HYDROLO	GY								
•	rology Indicat							Secondary Indi	cators (two or more are required)
	ators (any one is	sufficient)							ned Leaves (B9)
	Vater (A1)			Inundation Vi		-			Patterns (B10)
<ul><li>High Wat</li><li>Saturatio</li></ul>				Sparsely Vege		ncave Surfac	e (B8)	_	hizospheres along Living Roots (C3) f Reduced Iron (C4)
Water Ma				Marl Deposits	. ,	(C1)		Salt Depos	( )
	Deposits (B2)			Dry-Season W					Stressed Plants (D1)
Drift Dep				Other (Explain		• •			ic Position (D2)
	or Crust (B4)								juitard (D3)
Iron Dep	osits (B5)							Microtopog	graphic Relief (D4)
Surface S	oil Cracks (B6)							✓ FAC-neutra	ıl Test (D5)
Field Observ	ations:	-	-						
Surface Wate	r Present?	Yes $\bigcirc$	No 🖲	Depth (inches	5):				
Water Table I	Present?	Yes 🖲	No $\bigcirc$	Depth (inches	5): 8		Wetla	nd Hydrology Presen	t? Yes 🖲 No 🔾
Saturation Pro (includes cap		$_{\rm Yes}  \odot $	No $\bigcirc$	Depth (inches	5): 1				
		m gauge, r	nonitor wel	l, aerial photos, prev	ious inspe	ection) if ava	ilable:		
Dava 1									
Remarks:									