## WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	//Site: Susitna-Watana Hydroelectric Project	E	Borough/City:	Matanusk	xa-Susitna Borough Sampling Date: 04-Aug-13			
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T119_07			
	gator(s): BAB		Landform (hil	lside, terrac	ce, hummocks etc.): Hillside			
	relief (concave, convex, none): hummocky		Slope:	% / 10.3				
	gion : Interior Alaska Mountains	l at ·	62.82370654		Long.: -147.788087278 Datum: NAD83			
	p Unit Name:		02.02370034	09				
			0 V	<ul><li>● No ○</li></ul>	NWI classification: Upland			
Are \	matic/hydrologic conditions on the site typical for the frequency of the site typical for the frequency of t	significantl naturally p showing san	y disturbed? roblematic?	Are "N (If nee	(If no, explain in Remarks.)  Iormal Circumstances" present? Yes  No  No  eded, explain any answers in Remarks.)  Iormal Circumstances" present? Yes  No  No  No  No  No  No  No  No  No  N			
	· · · · · · · · · · · · · · · · · · ·	o O	le	the Sam	ınled Δrea			
	<b>,</b>	0 •	Is the Sampled Area within a Wetland? Yes ○ No ●					
	Wetland Hydrology Present? Yes O Narks: medium stand of sdev bordered by lines of all	0 💿			etiality 165 a 116 a			
	ETATION - Use scientific names of plants	Absolute	Dominant	Indicator	Dominance Test worksheet:			
1.	e Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC:4 (A)			
2.			. 📙		Total Number of Dominant			
3.					Species Across All Strata: 5 (B)			
4.					Percent of dominant Species That Are OBL, FACW, or FAC: 80,0% (A/B)			
5.			. Ц					
0.	Total Co				Prevalence Index worksheet:			
San	ling/Shrub Stratum 50% of Total Cover:		6 of Total Cover	: 0	Total % Cover of: Multiply by:  OBL Species 0 x 1 = 0			
			_					
	Vaccinium uliginosum		. 🔽	FAC				
2. 3.	Spiraea stevenii	10	. 💆	FACU	FAC Species 65 x 3 = 195 FACU Species 15 x 4 = 60			
3. 4.	Rhododendron tomentosum  Alnus viridis			FAC	UPL Species 0 x 5 = 0			
5.	Construe nigrue	15		FAC				
6.			·		Column Totals:92.1 (A)279.2_ (B)			
7.			·		Prevalence Index = B/A = 3.031			
8.		0			Hydrophytic Vegetation Indicators:			
9.		0			✓ Dominance Test is > 50%			
					Prevalence Index is ≤3.0			
	Total Co  b Stratum 50% of Total Cover:	over: 85	% of Total Cove	r: <u>17</u>	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
1.	Calamagrostis stricta	2	<b>✓</b>	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
	Rubus chamaemorus			FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must			
3.	Cornus suecica		<b>~</b>	FAC	be present, unless disturbed or problematic.			
4.		0			Plot size (radius, or length x width) 10m			
5.		0			% Cover of Wetland Bryophytes			
6.					(Where applicable)			
					% Bare Ground			
					Total Cover of Bryophytes40			
		_						
10	Total Co				Hydrophytic			
10.		over: 7.1			Vegetation			
10.	50% of Total Cover:	3.55 20%	of Total Cover	: 142	Present? Yes   No			

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SOIL Sampling Point: SW13\_T119\_07

Depth –		ne depui ne 1atrix	eded to docun	nent the indicator or co	onfirm the abse		ators)		
(inches)	Color (moi	ist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-3								Fibric Organics	
3-7	10YR	3/4	100					Sandy Loam	semi ang gravel and cobbles
7-20	7.5YR	2.5/2	100					Sandy Loam	semi ang gravel and cobbles
¹Type: C=Conce	entration. D=	Depletion.	RM=Reduce	ed Matrix <sup>2</sup> Locatio	n: PL=Pore	Lining. RC	=Root Cha	nnel. M=Matrix	
Hydric Soil Ind	licators:			Indicators for P	roblematic I	Hydric So	oils: <sup>3</sup>		
Histosol or H	listel (A1)			Alaska Color C	Change (TA4)	•		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epiped	don (A2)			Alaska Alpine	swales (TA5)			Underlying Layer	
Hydrogen Su	ulfide (A4)			Alaska Redox	With 2.5Y Hu	е		Other (Explain in Remar	ks)
Thick Dark S	Surface (A12)			3.0 indicator o	م لله رما مرمور الم				andrala an
Alaska Gleye	ed (A13)			and an appropria				nary indicator of wetland l esent	nydrology,
Alaska Redo	` '			4 Give details of o	-		•		
☐ Alaska Gleye	ed Pores (A15	5)		- Give details of t	Joior Change	III Kelliai k	.5		
Restrictive Layer	(if present):								
Type:								Hydric Soil Present	? Yes O No 💿
Depth (inches	s):								
HYDROLOG	iY								
HYDROLOG Wetland Hydro		tors:						_Secondary Indi	cators (two or more are required)_
	logy Indica		)						cators (two or more are required) ined Leaves (B9)
Wetland Hydro	logy Indica		)	☐ Inundation \	Visible on Aer	ial Imagei	ry (B7)	Water Sta	
Primary Indicato	logy Indica ers (any one is ter (A1)		)		Visible on Aer getated Conca	_		Water Sta	ned Leaves (B9)
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