## WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project		Borough/0	City: Denal	Borough Sampling Date: 31-Jul-13				
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T205_10				
	gator(s): SLI, EAC		Landforr	n (hillside, te	nillside, terrace, hummocks etc.): Valley bottom				
	relief (concave, convex, none): flat		Slope:	% /	2.6 ° Elevation: 719				
	gion : Interior Alaska Mountains	l at			Long.: -148.780872823 Datum: NAD83				
		Lat.	03.30040	50206					
	ap Unit Name:			Yes   No	NWI classification: PSS1B				
Are \	matic/hydrologic conditions on the site typical for thi /egetation  , Soil  , or Hydrology   /egetation  , Soil  , or Hydrology    MARY OF FINDINGS - Attach site map sh	significa naturally	ntly disturbe problemati	ed? Are	e "Normal Circumstances" present? Yes  No  needed, explain any answers in Remarks.)				
	Hydrophytic Vegetation Present? Yes   No	$\circ$							
	Hydric Soil Present? Yes ● No	$\circ$		Is the Sampled Area					
		$\circ$		within a	Wetland? Yes ● No ○				
Rem	arks: area previously burned - burn poles								
VEG	ETATION Has seizutific names of plants	مالم خدال م		46					
v EGI	<b>ETATION</b> - Use scientific names of plants.			•	Dominance Test worksheet:				
Tro	e Stratum	Absolu % Cov		ıant Indica es? Statı	tor				
1.	e Stratum		) <u>Speci</u>		That are OBL, FACW, or FAC: 4 (A)				
2.			) [	i —	Total Number of Dominant				
3.			<u>,                                    </u>	i —	Species Across All Strata: 4 (B)				
4.			<u> </u>	i —	Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)				
5.			_ [	<u> </u>					
	Total Cov	ver: 0			Prevalence Index worksheet: Total % Cover of: Multiply by:				
Sar	oling/Shrub Stratum 50% of Total Cover:	0 2	0% of Total (	Cover: 0					
					FACW Species 10.1 x 2 = 20.20				
1. 2.	Vaccinium uliginosum Vaccinium vitis-idaea		2	FAC FAC	FAC Species 49.1 x 3 = 147.3				
3.	Salix reticulata		<u> </u>	FAC	FACU Species 5 x 4 = 20				
4.	Rhododendron tomentosum		0						
5.	Empetrum nigrum		0	_	_				
6.	Picon glauca		5	FACU	Column Totals: <u>64.2</u> (A) <u>187.5</u> (B)				
7.	•			FAC	Prevalence Index = B/A = 2.921				
8.	Arctous ruber		<u> </u>	FAC	Hydrophytic Vegetation Indicators:				
9.			) [		✓ Dominance Test is > 50%				
10.			) [		Prevalence Index is ≤3.0				
Hei	Total Cover: 50% of Total Cover:			Cover: 11					
	Carex bigelowii			FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
2.	Rubus chamaemorus	0.	1	FACW	Indicators of fryaric son and wedaria fryarology mase				
3.	Festuca altaica			FAC	be present, unless disturbed or problematic.				
4.					Plot size (radius, or length x width)				
			_ L		% Cover of Wetland Bryophytes				
				<u> </u>	(Where applicable)				
			<u> </u>	┤ —					
			<u></u>	i —	Total Cover of Bryophytes60				
		_	<u> </u>	<u> </u>	-				
10.	Total Cov				Hydrophytic Vegetation				
		-	_	Cover: 1.4	Vec (0) No (1)				
	50% of Total Cover:	3.6 2	u% or rotar t	20VCI. 1.4	t rescrice is				

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SOIL Sampling Point: SW13\_T205\_10

JOIL								Samping	Point: 3W13_12U5_1U		
		the depth n	eeded to docu	ment the indicator or co	nfirm the abs		ators)				
Depth (inches)							_Loc <sup>2</sup>	Texture	Remarks		
0-4	Color (mo	3/2	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc	Fibric Organics	Remarks		
								-	. — — — — — — — — — — — — — — — — — — —		
4-10	5YR	2.5/1						Hemic Organics	At 8 in. gravels and cobbles 60%		
10-12	7.5YR	3/2	100					Sandy Loam	-		
					-						
1 Type: C=Co	ncentration. D:	=Depletion		ced Matrix <sup>2</sup> Location	n: PI =Pore	- I ining. RC	=Root Cha	nnel. M=Matrix			
		Берісцої	. Tar reduc	Indicators for Pr		_		THE TENTA			
Hydric Soil I				Alaska Color Ch		4	)iis: 	Alaska Claurad With aut II	lus EV au Daddau		
l —	r Histel (A1)			Alaska Color Ci		-		Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder		
	pedon (A2)			Alaska Redox V				Other (Explain in Remarl	ks)		
	Sulfide (A4) k Surface (A12	`		Alaska Redox V	VIGI 2.51 1	iuc		(— ф.	,		
	k Surface (A12 eyed (A13)	)						nary indicator of wetland h	nydrology,		
Alaska Re				and an appropriat	e landscap	e position r	nust be pre	esent			
	eyed Pores (A1	5)		<sup>4</sup> Give details of co	olor change	e in Remark	S				
		-									
Restrictive Laye	,							Hudvia Cail Duacant	? Yes • No O		
Type: acti Depth (incl	•							Hydric Soil Present	er res 🙂 No 🖰		
. ,	1103). 20										
Remarks:											
<b>HYDROLO</b>	GY										
Wetland Hyd	rology Indica	itors:						Secondary Indi	cators (two or more are required)		
Primary Indica	ators (any one	is sufficier	it)						ined Leaves (B9)		
	Vater (A1)			Inundation V	isible on A	erial Imagei	y (B7)	☐ Drainage F	Patterns (B10)		
	er Table (A2)			Sparsely Veg	etated Con	cave Surfac	ce (B8)				
Saturation (A3) Marl Deposits (B15)								of Reduced Iron (C4)			
☐ Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1)							☐ Salt Depos	sits (C5)			
Sediment Deposits (B2) Dry-Season Water Table (C2)							Stressed Plants (D1)				
Drift Depo	osits (B3)			Other (Explai	in in Remai	rks)		Geomorphic Position (D2)			
Algal Mat	or Crust (B4)								quitard (D3)		
Iron Depo	osits (B5)							_	graphic Relief (D4)		
☐ Surface S	oil Cracks (B6)	<u> </u>					ı	✓ FAC-neutra	al Test (D5)		
Field Observa		(	) (a)								
Surface Wate	r Present?		No •	Depth (inche	s):						
Water Table F	Present?	Yes (	No O	Depth (inche	s): 10		Wetlar	nd Hydrology Presen	nt? Yes 💿 No 🔾		
Saturation Pro		Yes 🤄	No O	Depth (inche	s): 4						
(includes capi				• • •			1-1-1-				
Describe Recor	rded Data (stre	am gauge	, monitor we	ell, aerial photos, pre	vious inspe	ction) ir ava	illable:				
Remarks:											
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I											

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