WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Denali Bo	orough Sampling Date: 04-Aug-13			
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T150_03			
Investigator(s): SLI, EAC		Landform (hill	side, terrac	ce, hummocks etc.): Channel (active)			
Local relief (concave, convex, none): concave		Slope:		3 ° Elevation: 760			
Subregion : Interior Alaska Mountains	l at ·	63.334418774		Long.: -148.286700607 Datum: NAD83			
Soil Map Unit Name:		00.004410774		NWI classification: R3UBH			
Are climatic/hydrologic conditions on the site typical for this	time of ves	ar? Yes	● No ○	(If no, explain in Remarks.)			
Are Vegetation , Soil , or Hydrology		tly disturbed?		Iormal Circumstances" present? Yes No			
Are Vegetation 🗹 , Soil 🗹 , or Hydrology 🗌	naturally	problematic?		eded, explain any answers in Remarks.)			
SUMMARY OF FINDINGS - Attach site map sho	wing sa	mpling point	locations	s transects important features etc			
Hydrophytic Vegetation Present? Yes No		mpinig point	1000110110	s, transcotte, important routeroe, etc.			
)		Is	the Sam	npled Area			
Hydric Soil Present? Yes ● No Wetland Hydrology Present? Yes ● No Wetland Hydrology Present?	_	wi	thin a W	/etland? Yes ◉ No ○			
7 - 37		bstrate, high ve	locity, relat	tively steep salix-dominated banks with no riparian wetlands			
at this site. water 6-12in deep, channel 5-10ft w							
L VEGETATION -Use scientific names of plants. I	ict all cn	acias in tha	nlot				
Ose scientific flames of plants.				Dominance Test worksheet:			
Tree Stratum	Absolute % Cove		Indicator Status	Number of Dominant Species			
1.	0			That are OBL, FACW, or FAC: (A)			
2.	0			Total Number of Dominant Species Across All Strata: (B)			
3.	0			Percent of dominant Species			
4	0			That Are OBL, FACW, or FAC: 0.0% (A/B)			
5	0	_		Prevalence Index worksheet:			
Total Cove		_		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover:	0 20	% of Total Cover:	0	OBL Species x 1 =			
1	0			FACW Species 0 x 2 = 0			
2.	0	_ 🔲		FAC Species 0 x 3 = 0			
3		-		FACU Species 0 x 4 = 0			
4		-		UPL Species <u>0</u> x 5 = <u>0</u>			
5.	_	_	-	Column Totals:0 (A)0 (B)			
6	^	- 📙		Prevalence Index = B/A =0.000_			
7 8.		-		Hydrophytic Vegetation Indicators:			
9.		-		Dominance Test is > 50%			
10.		-		Prevalence Index is ≤3.0			
Total Cove		_		Morphological Adaptations ¹ (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 ¹ (Explain)			
2	0	- 📙		¹ Indicators of hydric soil and wetland hydrology must			
3		-		be present, unless disturbed or problematic.			
4		-		Plot size (radius, or length x width)			
5.		-		% Cover of Wetland Bryophytes			
6		-		(Where applicable)			
7	U	-		% Bare Ground			
7							
8	0	- 📙		Total Cover of Bryophytes			
8 9	0	-	_				
8	0 0			Hydrophytic Vegetation Present? Yes No			

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SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

		he depth neede 1atrix	ed to documen	t the indicator or co	nfirm the ab		ators)				
Depth (inches)	Color (moi	ist) (olor (moist)	%	Type ¹	Loc 2	Texture	Remarks		
				(-77-					
-											
1											
		Depletion. RN		Matrix ² Location				nnel. M=Matrix			
Hydric Soil I	ndicators:		I	ndicators for Pr		4	oils:				
Histosol o	r Histel (A1)		L	Alaska Color Cl		-		Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder		
Histic Epip	edon (A2)		L	☐ Alaska Alpine s	`	,					
Hydrogen	Sulfide (A4)		L	_ Alaska Redox \	Nith 2.5Y F	lue	✓	Other (Explain in Remark	(S)		
	c Surface (A12)		3	One indicator of	hydrophyt	ic vegetatio	n one prim	nary indicator of wetland h	ydrology		
Alaska Gle	eyed (A13)			and an appropriat					ydi ology,		
Alaska Re	. ,		4	 LCiva dataila of a	alar ahana	n in Damaul					
☐ Alaska Gle	eyed Pores (A15	5)		Give details of co	olor change	e III Kemark	5				
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes ● No ○		
Depth (incl	nes):										
HYDROLO	GY										
Wetland Hyd	rology Indica	tors:						Secondary Indi	cators (two or more are required)		
Primary Indica	tors (any one is	s sufficient)						Water Stai	ned Leaves (B9)		
✓ Surface V	Vater (A1)			Inundation V	isible on A	erial Imager	ry (B7)	Drainage F	atterns (B10)		
High Wat	er Table (A2)			Sparsely Veg	etated Cor	cave Surfac	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)		
Saturation	n (A3)			Marl Deposit	s (B15)			Presence of	f Reduced Iron (C4)		
☐ Water Ma	rks (B1)			Hydrogen Su	Ifide Odor	(C1)		Salt Depos	its (C5)		
Sediment	Deposits (B2)			Dry-Season \	Water Table	e (C2)		Stunted or	Stressed Plants (D1)		
Drift Depo	osits (B3)			Other (Explai	in in Rema	rks)		✓ Geomorph	ic Position (D2)		
Algal Mat	or Crust (B4)							Shallow Ac	uitard (D3)		
Iron Depo	osits (B5)							Microtopog	raphic Relief (D4)		
Surface S	oil Cracks (B6)							☐ FAC-neutra	l Test (D5)		
Field Observa	ations:										
Surface Wate	r Present?	Yes 🖲	No O	Depth (inche	es): 8						
Water Table F	Present?	Yes \bigcirc	No 💿	Depth (inche	es):		Wetlan	nd Hydrology Presen	t? Yes 💿 No 🔾		
Saturation Pre		Yes \bigcirc	No 💿	Depth (inche	es):						
(includes capi Describe Recor				erial photos, pre		ction) if ava	ilable:				
Damada											
Remarks:	»2hh										
active channel	roudn										

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