## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City:	Denali Borough	Sampling Date:	04-Aug-13
Applicant/Owner: Alaska Energy Authority		Sampli	ng Point:SV	V13_T150_12
Investigator(s): SLI, EAC	Landform (hills	ide, terrace, hummocks etc.):	Channel (active)	I
Local relief (concave, convex, none):concave	Slope: 1.7	% / 1.0 ° Elevation: 676	3	
Subregion : Interior Alaska Mountains Lat .:	63.378351092	Long.: -148.399151	683 Da	atum: WGS84
Soil Map Unit Name:		NWI classi	ification: R3UBH	l
	ar? Yes ( ntly disturbed? problematic?	No (If no, explain in Are "Normal Circumstances" (If needed, explain any answ	present? Yes	● No ○
				. 1 .

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes 🖲	No 🔿	Is the Sampled Area within a Wetland?	
Hydric Soil Present?	Yes 🖲	No		Yes 🖲 No 🔿
Wetland Hydrology Present?	Yes 🖲	No 🔿		

Remarks: Nenana River. riffle-glide sequence at sampling point. high velocity. substrates unknown (swift, turbid water) but suspect coarse material. cover includes ohv, deep pool. ice scour visible on trees on opposite bank, about 0.5m above ohw.

## **VEGETATION** - Use scientific names of plants. List all species in the plot.

		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum		% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)		
1		0					
2.		0			Total Number of Dominant       Species Across All Strata:       0       (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 Cover	:			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 $0 \times 3 = 0$		
2					FACU Species x 4 =		
4					UPL Species 0 x 5 = 0		
5.					Column Totals: <u>0</u> (A) <u>0</u> (B)		
		•					
7					Prevalence Index = B/A = 0.000		
8.					Hydrophytic Vegetation Indicators:		
9.					Dominance Test is > 50%		
10.		0			Prevalence Index is ≤3.0		
	Total Cover	• 0			Morphological Adaptations <sup>1</sup> (Provide supporting data in		
Herb Stratum	50% of Total Cover:	0 20%	6 of Total Cover	: 0	Remarks or on a separate sheet)		
1		0			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
2.					<sup>1</sup> Indicators of hydric soil and wetland hydrology must		
3.					be present, unless disturbed or problematic.		
4.					Plot size (radius, or length x width) 10m		
5.		-			Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes		
6					(Where applicable)		
7					% Bare Ground		
8					Total Cover of Bryophytes		
9							
10.					Hydrophytic		
	Total Cover				Vegetation		
	50% of Total Cover:	-	of Total Cover:	0	Present? Yes  No		
Remarks: active channel Nen	ana River, unvegetated.						

	ion: (Describe to the dep Matrix			onfirm the absence of indi dox Features	cators)		
Depth (inches)	Color (moist)	%	Color (moist)	% Type <sup>1</sup>	Loc 2	Texture	Remarks
							s
-	-				-		
	,,						
<sup>1</sup> Type: C=Cor	ncentration. D=Deple	tion. RM=Redu	ced Matrix <sup>2</sup> Locatio	n: PL=Pore Lining. R	C=Root Cha	annel. M=Matrix	
Hydric Soil II	ndicators:		Indicators for P	roblematic Hydric S	oils: <sup>3</sup>		
	r Histel (A1)		Alaska Color Cl	4		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epip			Alaska Alpine s		_	Underlying Layer	
_	Sulfide (A4)		Alaska Redox V		$\checkmark$	Other (Explain in Remark	ය)
	< Surface (A12)						
Alaska Gle	. ,					mary indicator of wetland h	ydrology,
Alaska Rec			and an appropriat	te landscape position	must be pro	esent	
_	eyed Pores (A15)		<sup>4</sup> Give details of c	color change in Remar	ks		
					<u> </u>		
Restrictive Laye Type:	er (II present).					Undria Cail Dracant	? Yes 🖲 No 🔾
Depth (inch						Hydric Soil Present	? Yes 🗢 inu 🤍
	1057.				l		
Remarks:							
fluvaquentic soi	il						
HYDROLO	-						
-	rology Indicators:	_	_	_	_		cators (two or more are required)
	tors (any one is suffic	<u>cient)</u>					ned Leaves (B9)
✓ Surface W				isible on Aerial Image	, , ,		Patterns (B10)
	er Table (A2)			getated Concave Surfa	ice (B8)		hizospheres along Living Roots (C3)
Saturation	. ,		Marl Deposit	. ,			of Reduced Iron (C4)
Water Mai			Hydrogen Su			Salt Depos	
	Deposits (B2)			Water Table (C2)		_	Stressed Plants (D1)
Drift Depo	. ,		U Other (Expla	in in Remarks)			ic Position (D2)
	or Crust (B4)						quitard (D3)
Iron Depo							graphic Relief (D4)
	oil Cracks (B6)					FAC-neutra	al Test (D5)
Field Observa		∩					
Surface Water		s  No	Depth (inche	2s):			$\hat{}$
Water Table P	_	s 🔿 No 🖲	Depth (inche	es):	Wetla	nd Hydrology Presen	it? Yes 🖲 No 🔾
Saturation Pre (includes capil		s O No 🖲	Depth (inche	es):			
Describe Record	ded Data (stream ga	uge, monitor w	ell, aerial photos, pre	evious inspection) if av	/ailable:		

Remarks:

active channel Nenana River. unsure of depth, swift and turbid water.