WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Pro	ject		Borough/Cit	y: Denali Bo	orough Sampling Date: 06-Aug-13
Applica	ant/Owner: Alaska Energy Authority					Sampling Point: SW13_T174_10
Investi	gator(s): WAD, RWM			Landform	(hillside, terrac	ce, hummocks etc.): Hillside
	relief (concave, convex, none): concave			Slope:		3 ° Elevation: 103
Subre	gion : Interior Alaska Mountains		Lat.:	63.368059	 0387	Long.: -148.571716904 Datum: NAD83
	ap Unit Name:			00.000000	0001	NWI classification: Upland
	matic/hydrologic conditions on the site typic	al for this tim	o of you	ur2 V	es No	(If no, explain in Remarks.)
	/egetation \square , Soil \square , or Hydrolo		•	tly disturbed		No O
	/egetation ☐ , Soil ☐ , or Hydrold		-	oroblematic?		eded, explain any answers in Remarks.)
		0,			•	
SUMI		•	ing sar	mpling po	int locations	s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes				la tha Cam	onled Area
	Hydric Soil Present? Yes				Is the Sam	
	Wetland Hydrology Present? Yes	No ○			within a W	retiand?
Rem	arks:					
VEG	ETATION -Use scientific names of	plants. List	t all sp	ecies in th	ne plot.	
			Absolute		nt Indicator	Dominance Test worksheet:
Tre	e Stratum		% Cove			Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1.			0			Total Number of Dominant
2.			0			Species Across All Strata: 4 (B)
3.			0			Percent of dominant Species
4.			0	- 📙		That Are OBL, FACW, or FAC: 100.0% (A/B)
5.			0	_		Prevalence Index worksheet:
		Total Cover:	0	-		Total % Cover of: Multiply by:
Sap	oling/Shrub Stratum 50% of Total	Cover:() 209	% of Total Co	ver:0	OBL Species x 1 =0
1.	Vaccinium uliginosum		20	~	FAC	FACW Species <u>25</u> x 2 = <u>50</u>
2.	Rhododendron tomentosum		_ 10		FACW	FAC Species 80 x 3 = 240
3.	Vaccinium vitis-idaea		5	_ 📙	FAC	FACU Species 3 x 4 = 12
4.	Salix pulchra		15		FACW	UPL Species 0 x 5 = 0
5.	Empetrum nigrum		15		FAC	Column Totals: <u>108</u> (A) <u>302</u> (B)
6.	Salix reticulata		10	- 片	FAC	Prevalence Index = B/A = 2.796
7.			0	- 片		
8.			0	-		Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%
9.			0	-		✓ Prevalence Index is ≤ 3.0
10.		Total Cover:		_		
Hei		Cover: 3			over: 15	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
	Carex bigelowii		30	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
	Bistorta plumosa		2		FACU	¹ Indicators of hydric soil and wetland hydrology must
3.	Pedicularis capitata		1		FACU	be present, unless disturbed or problematic.
4.			0			Plot size (radius, or length x width) 10m
5.			0	- 📙		% Cover of Wetland Bryophytes
1 -			0	-		(Where applicable)
			0	-		% Bare Ground
7.				1 1		T
7. 8.				-		Total Cover of Bryophytes <u>10</u>
7. 8. 9.			0	-		Total Cover of Bryophytes
7. 8. 9.			0 0	_		Hydrophytic
7. 8. 9.			33	_		

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SOIL Sampling Point: SW13 T174 10

Danth	don. (Describe de	Matrix			dicator or con Red	ox Featu				
Depth (inches)	Color (m	oist)	%	Color (n	noist)	%	Type ¹	Loc ²	Texture	Remarks
0-4		,	100				-7,5-		Fibric Organics	
4-5			100						Hemic Organics	_
5-7	10YR	3/2	100						Silty Clay Loam	
7-16	2.5Y	3/2	90	2.5Y	4/3	10		PL	Silty Clay Loam	with coarse sand
		·								_
										_
Tyne: C=Co	incentration D	=Denletio	n RM=Reduc	ed Matrix	² Location	PI =Pore	- Lining RO	`=Root Cha	nnel. M=Matrix	
		Берісцої			ors for Pro				inite.	
lydric Soil I					ka Color Ch		4	olis:	Alaska Claus d With sur	Ilia EV an Daddan
_	or Histel (A1)				ka Coloi Cii ka Alpine sv		-		Alaska Gleyed Without Underlying Layer	Hue SY or Reader
=	pedon (A2)				ka Redox W	•	•		Other (Explain in Rema	arks)
_ ′ -	i Sulfide (A4) k Surface (A12	1)		Alds	Ka Redox W	101 2.51 1	iue		(=	- ,
_	•	(1)		³ One i	ndicator of I	nydrophyt	ic vegetatio	n, one prin	nary indicator of wetland	d hydrology,
_	eyed (A13)			and an	appropriate	landscap	e position i	must be pre	esent	
_	edox (A14) eyed Pores (A1	E)		4 Give	details of co	lor change	e in Remark	S		
	-	-								
-	er (if present)	:								0 0
Type: si c									Hydric Soil Preser	nt? Yes O No 💿
Depth (inc	:hes): 5									
emarks:										
emarks:										
emarks:										
YDROLO Vetland Hyd	lrology Indic									idicators (two or more are required)
YDROLO Vetland Hyd	Irology Indicators (any one		nt)					(07)	Water St	tained Leaves (B9)
YDROLO Yetland Hyd rimary Indica	Irology Indicators (any one Water (A1)		nt)		undation Vis				Water St	tained Leaves (B9) e Patterns (B10)
YDROLO Yetland Hyd rimary Indica Surface V High Wat	Irology Indicators (any one Water (A1) ter Table (A2)		nt)	☐ Sp	arsely Vege	tated Con			Water Si Drainage Oxidized	tained Leaves (B9) e Patterns (B10) Rhizospheres along Living Roots (C3
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