WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 05-Aug-13
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T113_07
	gator(s): WAD, RWM	ı	_andform (hill	side, terrac	ee, hummocks etc.): creek bank
_ocal i	relief (concave, convex, none): concave		Slope:		B ° Elevation: 105
	gion : Interior Alaska Mountains	lat: 4	· 62.763008117		Long.: -147.630388261 Datum: NAD83
		Lat (12.703000117	0	
	ap Unit Name:		. V	■ N= ○	NWI classification: PEM1B
	matic/hydrologic conditions on the site typical for this ti /egetation \square , Soil \square , or Hydrology \square :				
			disturbed?		ionnai oli odinotanoco procont.
Are v	/egetation . , Soil . , or Hydrology	naturally pro	oblematic?	(If nee	eded, explain any answers in Remarks.)
SUMI	MARY OF FINDINGS - Attach site map show	wing sam	pling point	locations	s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes No C)			
	Hydric Soil Present? Yes ● No C)			pled Area
	Wetland Hydrology Present? Yes ● No C)	wi	thin a W	etland? Yes ● No ○
Rema	arks: calcan meadow adjacent to lake outlet stream.				
	ETATION -Use scientific names of plants. Li	Absolute	Dominant	Indicator	Dominance Test worksheet:
	e Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
1.					Total Number of Dominant
2.					Species Across All Strata: (B)
3.					Percent of dominant Species
4. 5.					That Are OBL, FACW, or FAC: 100.0% (A/B)
Э.	Total Cover	0 0			Prevalence Index worksheet:
·			of Total Cover:	0	Total % Cover of: Multiply by:
Sap	oling/Shrub Stratum 50% of Total Cover:	0 20%	— —	0	OBL Species 0 x1 = 0
	Salix pulchra		✓	FACW	FACW Species 17.1 x 2 = 34.20
2.					FACUS paging 2 x 3 = 234
3.		_			FACU Species 3 x 4 = 12 UPL Species 0 x 5 = 0
4.					UPL Species
5.					Column Totals: <u>98.1</u> (A) <u>280.2</u> (B)
6.					Prevalence Index = B/A =
7.					II. danahadia Vanahadian Tadiankana
9.					Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%
10.					✓ Prevalence Index is ≤3.0
10.	Total Cover				Morphological Adaptations (Provide supporting data in
Her	b Stratum 50% of Total Cover:		of Total Cover	: 2	Remarks or on a separate sheet)
1.	Calamagrostis canadensis	75	\checkmark	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Petasites frigidus	4		FACW	¹ Indicators of hydric soil and wetland hydrology must
3.	Sanguisorba canadensis	3		FACW	be present, unless disturbed or problematic.
4.	Equisetum arvense	3		FAC	Plot size (radius, or length x width) 10m
5.	Mertensia paniculata	2		FACU	Plot size (radius, or length x width)
6.	Bistorta plumosa			FACU	(Where applicable)
7.	Stellaria calycantha			FACW	% Bare Ground
		0			Total Cover of Bryophytes
8.			1 1		T. Control of the Con
9.					
9.					Hydrophytic
9.		88.1	of Total C	47.53	Hydrophytic Vegetation Present? Yes • No

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SOIL Sampling Point: SW13 T113 07

(inches)	Color (me	oist)	%	Color (m	ioist)	%	Type ¹	_ Loc _2	Texture	Remarks
0-1			100						Fibric Organics	Fibric Organics
1-9	10YR	4/3	90	5YR	3/4	10	RM	PL	Sapric Organics	with silt
9-14	10YR	4/2	60	2.5YR	3/6	40	RM	PL	Silt Loam	with lots of organics
									-	
		=Depletior	ı. RM=Redu				_		nnel. M=Matrix	
ydric Soil Ind					ors for Pro		4	oils:	1	
☐ Histosol or I	` '				ka Color Ch				Alaska Gleyed Without Underlying Layer	: Hue 5Y or Redder
Histic Epipe	. ,				ka Alpine sv ka Redox W	•	•		Other (Explain in Rem	arks)
Hydrogen S	` ,			☐ AldSi	ta Redux W	ии 2.51 п	ue		J outer (Explain in Rem	arioj
_	Surface (A12)	.)		³ One ir	ndicator of h	nydrophyti	c vegetatio	n, one prin	nary indicator of wetlan	d hydrology,
☐ Alaska Gleye☐ Alaska Redo				and an	appropriate	landscap	e position r	nust be pre	esent	
_	ed Pores (A1	5)		4 Give d	details of co	lor change	in Remark	s		
	•									
strictive Layer	r (if present):	i								
									Hydric Soil Prese	nt? Yes 💿 No 🔾
Type:	oc).								,	
Depth (inche emarks: gh organic con		ral soils, di	ifficult to det	ermine text	ture.					
Depth (inche emarks: gh organic con	ntent in mine	ral soils, di	ifficult to det	ermine tex	ture.					
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