WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project		Borough/City	Matanusk	ka-Susitna Borough Sampling Date: 09-Jul-13
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T123_02
	gator(s): WAD, BAB		Landform (h	nillside, terrac	ce, hummocks etc.): pond
Local	relief (concave, convex, none): concave		Slope:		5 ° Elevation: 959
Subre	gion : Southcentral Alaska	Lat.:	62.7503827	813	Long.: -149.383560658 Datum: NAD83
	ap Unit Name:		0200002.	-	NWI classification: PEM1H
	matic/hydrologic conditions on the site typical for this	time of ve	ar? Ye	s No	
			itly disturbed?		Normal Circumstances" present? Yes No
			problematic?		eded, explain any answers in Remarks.)
		_		•	
SUM	MARY OF FINDINGS - Attach site map sho		mpling poil	nt locations	s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes No			a tha Cam	unled Area
	Hydric Soil Present? Yes ● No	\supset			ıpled Area /etland? Yes ● No ○
	Wetland Hydrology Present? Yes No	<u> </u>	'	within a W	retiand?
Rem	arks:				
VEGI	ETATION - Use scientific names of plants. I	ist all sp	ecies in th	e plot.	
		Absolut	e Dominant	t Indicator	Dominance Test worksheet:
	e Stratum	% Cove	r Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
1.		0	_ 🖳		Total Number of Dominant
2.		0	_		Species Across All Strata: 2 (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 Cove		—		Total % Cover of: Multiply by:
Sap	bling/Shrub Stratum 50% of Total Cover:		% of Total Cov	er: <u>0</u>	OBL Species <u>36</u> x 1 = <u>36</u>
1.		0			FACW Species 0 x 2 = 0
2.	-		_		FAC Species <u>5</u> x 3 = <u>15</u>
3.					FACU Species 0 x 4 = 0
4.					UPL Species <u>0</u> x 5 = <u>0</u>
5.					Column Totals: <u>41</u> (A) <u>51</u> (B)
6.		0			Prevalence Index = B/A =1.244
7.		0	-		II. dan alaski Varatski u Tudintana
9.			-		Hydrophytic Vegetation Indicators: Dominance Test is > 50%
10.		0			✓ Prevalence Index is ≤3.0
10.	Total Cove				Morphological Adaptations (Provide supporting data in
Hei	rb Stratum 50% of Total Cover:		 0% of Total Cov	ver: 0	Remarks or on a separate sheet)
1.	Carex aquatilis	25	✓	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Eriophorum angustifolium		✓	OBL	¹ Indicators of hydric soil and wetland hydrology must
3.	Calamagrostis canadensis			FAC	be present, unless disturbed or problematic.
4.	Comarum palustre	1		OBL	Plot size (radius, or length x width)
		0	_		% Cover of Wetland Bryophytes 1
5.					
6.		0	- 📙		(Where applicable)
6. 7.		0			(Where applicable) % Bare Ground
6. 7. 8.		0 0	- - -		
6. 7. 8. 9.		0 0 0			% Bare Ground
6. 7. 8. 9.		0 0 0 0			% Bare Ground Total Cover of Bryophytes Hydrophytic
6. 7. 8. 9.		0 0 0 0 0	_	er: 8.2	% Bare Ground Total Cover of Bryophytes

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SOIL

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

Depth Matrix Redox Features

Sampling Point: SW13_T123_02

Depth			Red			_	-	
(inches) Color (mo	st)	<u>%</u>	Color (moist)	%	Type ¹	<u>Loc</u> 2	Texture	Remarks
							-	
				-				
								-
								,
						-	-	
						-	-	
ype: C=Concentration. D=	Depletion.	RM=Reduc					nnel. M=Matrix	
lydric Soil Indicators:			Indicators for Pro	oblematio	c Hydric S	oils: ³		
Histosol or Histel (A1)			Alaska Color Ch	iange (TA	4)		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2)			Alaska Alpine s	•	•		Underlying Layer	
Hydrogen Sulfide (A4)			Alaska Redox V	√ith 2.5Y F	Hue	✓	Other (Explain in Remarl	ks)
Thick Dark Surface (A12)			_					
Alaska Gleyed (A13)			³ One indicator of and an appropriat	hydrophyt	tic vegetation	on, one prir	nary indicator of wetland h	nydrology,
Alaska Redox (A14)					•		esent	
Alaska Gleyed Pores (A15)		⁴ Give details of co	olor change	e in Remarl	ks		
rictive Layer (if present):								
ricuve Layer (ii present).							Hydric Soil Present	? Yes • No O
							nyunc son Present	r ies e no e
Type: Depth (inches): narks: ume hydric soil due to hydi	ophytic vec	jetation an	nd inundation.				•	
Type: Depth (inches): narks: me hydric soil due to hydi	ophytic veç	getation an	id inundation.				•	
Type: Depth (inches): narks: me hydric soil due to hydric		getation ar	id inundation.					icators (two or more are required
Type: Depth (inches): narks: me hydric soil due to	tors:		id inundation.				_Secondary Indi	cators (two or more are required
Type: Depth (inches): narks: me hydric soil due to	tors:			sible on A	orial Imago	ory (R7)	_Secondary Indi	ined Leaves (B9)
DROLOGY cland Hydrology Indicators (any one is Surface Water (A1)	tors:		☑ Inundation Vi				Secondary Indi	ned Leaves (B9) Patterns (B10)
DROLOGY Cland Hydrology Indicators (any one is Surface Water (A1) High Water Table (A2)	tors:		✓ Inundation Vi	etated Cor			Secondary Indi Water Stai Drainage F	ined Leaves (B9) Patterns (B10) chizospheres along Living Roots (G
DROLOGY Cland Hydrology Indicanary Indicators (any one is Surface Water (A1) High Water Table (A2) Saturation (A3)	tors:		✓ Inundation Vi ☐ Sparsely Vego	etated Cor s (B15)	ncave Surfa		Secondary Indi Water Stai Drainage F Oxidized R Presence o	ned Leaves (B9) Patterns (B10) thizospheres along Living Roots (G of Reduced Iron (C4)
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Type: Depth (inches): narks: me hydric soil due to hydrology tland Hydrology Indicators (any one incompany Indicators (any one	Yes • Yes · Yes · Yes ·	No ○ No ● No ●	✓ Inundation Vi Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V Other (Explai	etated Cor s (B15) Ifide Odor Vater Tabl n in Rema s): 30 s):	(C1) e (C2) rks)	wetla	Secondary Indi Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or Geomorph Shallow Ac Microtopoo	ned Leaves (B9) Patterns (B10) Phizospheres along Living Roots (Or Reduced Iron (C4) Sits (C5) Stressed Plants (D1) Sic Position (D2) Squitard (D3) Sgraphic Relief (D4) Self Test (D5)
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