WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 11-Jul-13
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T139_09
	gator(s): WAD, BAB		Landform (hil	lside, terrac	ee, hummocks etc.): drainage
Local i	relief (concave, convex, none): convex		Slope:		Selevation: 408
	gion : Southcentral Alaska	lat: (· 62.817417979		Long.: -149.622571708 Datum: NAD83
		Lut \	32.017417373	<u> </u>	
	ap Unit Name:		. V	■ Na ○	NWI classification: PSS1E
Are \		significantly	? Yes vidisturbed? oblematic?	Are "N	(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ 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)			J. I.A.
	Hydric Soil Present? Yes No C)			pled Area /etland? Yes ● No ○
	Wetland Hydrology Present? Yes No C)	W	ithin a W	etland? res © No C
Rema	arks: flooded drainage feature dominated by myrica.				
/EGI	ETATION -Use scientific names of plants. Li	st all spe	cies in the	-	Dominance Test worksheet:
Tre	e Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1.		0			
2.		0_			Total Number of Dominant 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				Total % Cover of: Multiply by:
Sap	oling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover	0	OBL Species100 x 1 =100
1	Myrica gale	75	✓	OBL	FACW Species 10 x 2 = 20
2.					FAC Species 0 x 3 = 0
3.		0		-	FACU Species 0 x 4 = 0
4.		0			UPL Species 0 x 5 = 0
5.					Column Totals: <u>110</u> (A) <u>120</u> (B)
6.					
7.		0			Prevalence Index = B/A = 1.091
8.		0			Hydrophytic Vegetation Indicators:
9.		0			✓ Dominance Test is > 50%
10.		0			✓ Prevalence Index is ≤3.0
	Total Cover: 50% of Total Cover:		of Total Cove	r: <u>15</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Equisetum fluviatile	10	✓	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Carex disperma	10	✓	FACW	¹ Indicators of hydric soil and wetland hydrology must
3.	Carex aquatilis		<u> </u>	OBL	be present, unless disturbed or problematic.
4.	Potamogeton zosteriformis			OBL	Plot size (radius, or length x width)
5.					% Cover of Wetland Bryophytes
6.					(Where applicable)
					% Bare Ground
8.					Total Cover of Bryophytes
9.		Ω			Hydrophytic
9.					
9.			of Total Cover	 : 7	Vegetation Present? Yes No

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SOIL Sampling Point: SW13_T139_09

Depth —	Matrix		Re	dox Featur				
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
<u> </u>		100					Fibric Organics	-
9-12		100					Hemic Organics	
							-	
1Tumas C—Canaant	tration D-Danlatia		and Matrix 2 Locatic		Lining DC		nnal M-Matrix	
		n. KM=Keduc	ced Matrix ² Locatio		_		innei. M=Matrix	
Hydric Soil Indic			Indicators for P		4	oils:	1	
Histosol or Hist	` ,		Alaska Color C				Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder
Histic Epipedor			☐ Alaska Alpine				Other (Explain in Remark	(c)
Hydrogen Sulfi	. ,		Alaska Redox	With 2.5Y Hu	ue		J Other (Explain in Remark	(5)
Thick Dark Sur	. ,		³ One indicator o	f hydronhytid	c vegetatio	n. one prin	nary indicator of wetland h	vdrology.
Alaska Gleyed	` '		and an appropria					ydi ology,
Alaska Redox (4 Give details of	color change	in Remark	S		
Alaska Gleyed				color change	III Remain			
Restrictive Layer (if	present):							
Type:							Hydric Soil Present	? Yes ● No O
7.7								
Depth (inches): demarks: o restrictive layer of								
Depth (inches):								
Depth (inches):	observed.							
Depth (inches): Remarks: o restrictive layer o	observed.						_Secondary Indi	cators (two or more are required)
Depth (inches): Remarks: To restrictive layer of	observed.	nt)						cators (two or more are required) ned Leaves (B9)
Depth (inches): Remarks: O restrictive layer of IYDROLOGY Wetland Hydrology	observed. gy Indicators: (any one is sufficie	nt)	☐ Inundation	Visible on Ae	rial Imagei	ry (B7)		ned Leaves (B9)
Depth (inches): temarks: o restrictive layer of TYDROLOGY Vetland Hydrolog Primary Indicators V Surface Water V High Water Ta	gy Indicators: (any one is sufficie (A1) able (A2)	nt)		Visible on Ae getated Conc	_		☐ Water Stai ✓ Drainage F	ned Leaves (B9)
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