WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	a-Susitna Borough Sampling Date: 04-Jul-13			
Applica	nt/Owner: Alaska Energy Authority				Sampling Point: SW13_T122_01			
	gator(s): SLI. SCB		Landform (hill	side, terrac	e, hummocks etc.): Terrace			
Local r	elief (concave, convex, none): flat		Slope:	% / 1.8	° Elevation: 722			
	ion : Interior Alaska Mountains	l at ·	- · <u> </u>		Long.: -148.492592692 Datum: NAD83			
_		Lut	02.00303030	<u> </u>				
	p Unit Name:			<u> </u>				
Are V Are V	egetation \square , Soil \square , or Hydrology \square s egetation \square , Soil \square , or Hydrology \square r	NWI classification: PEM1E on the site typical for this time of year? Yes No (If no, explain in Remarks.) on Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No on Hydrology naturally problematic? (If needed, explain any answers in Remarks.) - Attach site map showing sampling point locations, transects, important features, etc. - Attach site map showing sampling point locations, transects, important features, etc. - Is the Sampled Area within a Wetland? Yes No						
	Hydrophytic Vegetation Present? Yes ● No C)						
	Hydric Soil Present? Yes ● No C)			_			
	Hydric Soil Present? Yes No							
	arks: pem1e emergent community with pond in center.	ı						
	TATION - Use scientific names of plants. Li	st all spe Absolute % Cover	Dominant		Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)			
1.		0	_		Total Number of Dominant			
2.		0	. \square		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	. \square		Prevalence Index worksheet:			
	Total Cover:		•		Total % Cover of: Multiply by:			
Sap	ling/Shrub Stratum 50% of Total Cover:	0 209	6 of Total Cover:	0	OBL Species <u>21.2</u> x 1 = <u>21.2</u>			
1.	Andromeda polifolia (IAM)	0.1		OBL	FACW Species 2.1 x 2 = 4.2			
2.	Rhododendron tomentosum	0.1		FACW	FAC Species <u>0.1</u> x 3 = <u>0.300</u>			
3.	Betula nana	0.1		FAC	FACU Species <u>0</u> x 4 = <u>0</u>			
4.		0			UPL Species			
5.		_			Column Totals: <u>23.4</u> (A) <u>25.70</u> (B)			
6.		0	. 📙					
7.		0	. 📙		Prevalence Index = B/A = 1.098			
8.		0			Hydrophytic Vegetation Indicators:			
9.		0	. 📙		✓ Dominance Test is > 50%			
10.		0_	. \square		✓ Prevalence Index is ≤3.0			
Her	Total Cover: b Stratum 50% of Total Cover:	0.0	% of Total Cover	: 0.06	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
1.	Eriophorum angustifolium	5	. 💆	OBL	Problematic Hydrophytic Vegetation (Explain)			
2.	Carex limosa			OBL	¹ Indicators of hydric soil and wetland hydrology must			
3.	Carex rotundata	5		OBL	be present, unless disturbed or problematic.			
4.	Trichophorum caespitosum		. 🔽	OBL	Plot size (radius, or length x width)			
5.	Eriophorum russeolum		. 📙	FACW	% Cover of Wetland Bryophytes			
6.	Drosera anglica	0.1	. 📙	OBL	(Where applicable)			
7.	Juncus biglumis		. 📙	OBL	% Bare Ground			
			. 📙		Total Cover of Bryophytes 98			
		0			Hadron batta			
10.	Total Cover:				Hydrophytic Vegetation			
	50% of Total Cover:1			4.62	Present? Yes No			
	_							
Rem	_	d betula o	nly on small hu	mmocks. sr	nall pond in center of community, not included in			

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SOIL Sampling Point: SW13_T122_01

Profile Description: (I	Matrix		Re					
	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	<u>Loc</u> 2	Texture	Remarks
0-6		100		_			Fibric Organics	-
6-17		100					Hemic Organics	
							-	
1= 00								-
		n. RM=Reduc	ced Matrix ² Locatio				innel. M=Matrix	
Hydric Soil Indica			Indicators for P		4	oils:	1	
✓ Histosol or Hist	` '		Alaska Color C				Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder
Histic Epipedon	-		Alaska Alpine	•	,		, , ,	·a)
Hydrogen Sulfi	` '		Alaska Redox	With 2.5Y H	ue		Other (Explain in Remark	(S)
Thick Dark Sur	` '		3 One indicator o	f hydronhyti	c vegetatio	n one nrim	nary indicator of wetland h	vdrology
Alaska Gleyed (and an appropria					yurology,
Alaska Redox (,		4 Give details of o	color change	in Remark	c		
Alaska Gleyed I				color change	, iii itemark			
estrictive Layer (if	present):							
							Hydric Soil Present	? Yes ⊙ No 🔾
Type: frozen								
Depth (inches):	17							
Depth (inches):	17							
Depth (inches):	17							
Depth (inches): lemarks:							_Secondary Indi	cators (two or more are required)
Depth (inches): emarks: YDROLOGY Vetland Hydrolog	gy Indicators:	nt)						cators (two or more are required) ned Leaves (B9)
Depth (inches): emarks: YDROLOGY Vetland Hydrolog Primary Indicators	gy Indicators: (any one is sufficie	nt)	✓ Inundation \	Visible on Ae	erial Imagei	ry (B7)	Water Stair	
Depth (inches): emarks: YDROLOGY Vetland Hydrolog Primary Indicators Y Surface Water High Water Ta	gy Indicators: (any one is sufficie (A1) ble (A2)	nt)	✓ Inundation \				Water Stai	ned Leaves (B9)
Depth (inches): Demarks:	gy Indicators: (any one is sufficie (A1) ble (A2)	nt)		getated Con			Water Stain Drainage F Oxidized R Presence o	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4)
Depth (inches): emarks: YDROLOGY Vetland Hydrolog Primary Indicators ✓ Surface Water ✓ High Water Ta ✓ Saturation (A3	gy Indicators: (any one is sufficie (A1) ble (A2)	nt)	Sparsely Ve	getated Con ts (B15)	cave Surfac		☐ Water Stain☐ Drainage P☐ Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4)
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