WETLAND DETERMINATION DATA FORM - Alaska Region

Site: Susitna-Watana Hydroelectric Project		Boro	ugh/City:	Matanusk	a-Susitna Borough Sampling Date: 25-Aug-15			
nt/Owner: Alaska Energy Authority					Sampling Point: SW15_T209_01			
		Lar	ndform (hill	side, terrac				
			,					
	l a				Long.: Datum: WGS84			
	La							
				<u> </u>	NWI classification: PSS1/EM1E			
					(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○			
	·	•			oma on ounotainoso procenti			
egetation \square , Soil \square , or Hydrology \square	natural	ly probl	ematic?	(If nee	ded, explain any answers in Remarks.)			
MARY OF FINDINGS - Attach site map show	wing s	sampli	ng point	locations	s, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes No)							
)		Is	the Sam				
,			wi	within a Wetland? Yes ● No ○				
,,		ator m	ving acro					
rks. Sloping Shrub/graminold Wedand With addibly rul	illing v	iater iii	JVIIIG acros	.5.				
TATION - Use scientific names of plants Li	ict all	snacio	s in tha	nlot				
TATION -03e scientific flames of plants. Li	ist all	specie	3 111 1116	piot.	Dominance Test worksheet:			
Charles					Number of Dominant Species			
Stratum	-70 CC	vei		Status	That are OBL, FACW, or FAC:3(A)			
	-	_			Total Number of Dominant			
	_	_			Species Across All Strata:3 (B)			
					Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
	_	_						
Total Cover	. –				Prevalence Index worksheet: Total % Cover of: Multiply by:			
			Total Cover:	0	001.0			
			_					
<u> </u>	_		V					
•	_							
<u> </u>	_			FAC				
					Column Totals: <u>86.2</u> (A) <u>178.6</u> (B)			
	_				Prevalence Index = B/A =2.072_			
	_	_			Hindus about a Vanadation Tudinature.			
	_	_			Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%			
	_				✓ Prevalence Index is ≤3.0			
	_							
			Total Cover	9.2	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)			
Calamagrostis canadensis	:	20	✓	FAC	Problematic Hydrophytic Vegetation (Explain)			
		10	✓	OBL	¹ Indicators of hydric soil and wetland hydrology must			
Carex aquatilis	_	5		OBL	be present, unless disturbed or problematic.			
Equisetum fluviatile		5		OBL	Diet dies (undies au laurable considèble)			
Viola palustris(IAM)	().1		FAC	Plot size (radius, or length x width) 10m			
Rumex arcticus	().1		FAC	% Cover of Wetland Bryophytes (Where applicable)			
	_	0			% Bare Ground			
		0			Total Cover of Bryophytes			
		0						
		0			Hydrophytic			
	: 40).2			Vegetation			
Total Cover 50% of Total Cover:				8.04	Present? Yes No			
	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB relief (concave, convex, none): hummocky gion: Interior Alaska Mountains ap Unit Name: matic/hydrologic conditions on the site typical for this ti //egetation	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB relief (concave, convex, none): hummocky gion: Interior Alaska Mountains ap Unit Name: matic/hydrologic conditions on the site typical for this time of y/egetation	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB			

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SOIL Sampling Point: SW15_T209_01

e to the depth r	eeded to docume	ent the indicator or co	nfirm the absend	ce of indicators)			
Matrix			lox Features	5			
(moist)	<u>%</u>	Color (moist)	<u>%</u> _ 1	Type 1 Loc			Remarks
	100				Mucky Pe	eat	
					Muck		
3/2	100				Silt Loam		
n. D=Depletior	ı. RM=Reduce	d Matrix ² Location	n: PL=Pore Li	ining. RC=Root	Channel. M=N	1atrix	
:		Indicators for Pr	oblematic H	ydric Soils: ³			
			4	•	Alaska G	leyed Without Hu	e 5Y or Redder
•		Alaska Alpine s	wales (TA5)				
4)		Alaska Redox V	Vith 2.5Y Hue	:	Other (E	xplain in Remarks	5)
A12)		3 O indicator of	I dirambutio u	tation one	indica	· ···· - f ····oHand by	1 .1
						itor or wetianu m	/drology,
		4 Give details of co	olor change in	Qemarks	•		
(A15)		OIVE UCUIIS OF C	Joi change	I Nemano	1		
nt):							
					Hydric	Soil Present?	Yes No
arouan wenar	'n						
dicators:							ators (two or more are required)
						Water Stain	ed Leaves (B9)
dicators: one is sufficier				al Imagery (B7)		Water Stain Drainage Pa	ed Leaves (B9) atterns (B10)
dicators:		Sparsely Veg	etated Conca	al Imagery (B7) ve Surface (B8)		Water Stain Drainage Pa Oxidized Rh	ed Leaves (B9) atterns (B10) aizospheres along Living Roots (C3)
dicators: one is sufficier		Sparsely Veg	etated Concav s (B15)	ve Surface (B8)		Water Stain Drainage Pa Oxidized Rh Presence of	ed Leaves (B9) atterns (B10) aizospheres along Living Roots (C3) Reduced Iron (C4)
dicators: one is sufficier		Sparsely Veg Marl Deposits Hydrogen Su	etated Concav s (B15) Ifide Odor (C1	ve Surface (B8)		Water Stain Drainage Pa Oxidized Rh Presence of Salt Deposit	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) Reduced Iron (C4) ts (C5)
dicators: one is sufficier		☐ Sparsely Veg☐ Marl Deposits ☑ Hydrogen Su☐ Dry-Season V	etated Concav s (B15) Ifide Odor (C1 Vater Table (C	ve Surface (B8)		Water Stain Drainage Pa Oxidized Rh Presence of Salt Deposit Stunted or	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) Reduced Iron (C4) ts (C5) Stressed Plants (D1)
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