WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project		Borough/C	City: _	Matanusk	xa-Susitna Borough Sampling Date: 30-Aug-1	5	
Applica	nt/Owner: Alaska Energy Authority					Sampling Point: SW15_T342_	_04	
Investi	gator(s): AFW		_	`	•	ee, hummocks etc.): Kettle		
Local r	elief (concave, convex, none):concave		_ Slope: _	0.0	% /0.0	Control Contro		
Subreg	ion : Interior Alaska Mountains	Lat.:				Long.: Datum: WGS	S84	
Soil Ma	p Unit Name:					NWI classification: PUSC		
Are V	egetation , Soil , or Hydrology , or Hydrology , and ARY OF FINDINGS - Attach site map show	significan naturally wing sa	tly disturbe	ed? c?	(If nee	(If no, explain in Remarks.) lormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.		
	Hydrophytic Vegetation Present? Yes ● No ○ Hydric Soil Present? Yes ● No ○ Wetland Hydrology Present? Yes ● No ○)	Is the Sampled Area within a Wetland? Yes ● No ○					
	rks: drained lake basin, no surface or ground water cu		although wa	ater vis	sible in ae	erial imagery		
/EGE	TATION -Use scientific names of plants. Li	st all sp	ecies in t	the p	lot.			
		Absolute	e Domina	ant I	indicator	Dominance Test worksheet:		
	e Stratum	% Cove	r Specie	es?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 5 ((A)	
1.						Total Number of Dominant	,	
2.				_			(B)	
3. 4.						Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% ((A/B)	
5.						Prevalence Index worksheet:		
	Total Cover		_			Total % Cover of: Multiply by:		
Sap	ling/Shrub Stratum 50% of Total Cover:	0 20	% of Total C	Cover:	0	OBL Species <u>10</u> x 1 = <u>10</u>		
1.	Salix pseudomonticola	3	✓		FAC	FACW Species x 2 =14		
2.	Salix pulchra	2	✓		FACW	FAC Species <u>12</u> x 3 = <u>36</u>		
3.	Salix alaxensis				FAC	FACU Species 0 x 4 = 0		
4.		0				UPL Species0 x 5 =0		
5.		0	_			Column Totals: <u>29</u> (A) <u>60</u>	(B)	
6.		0						
7.		0				Prevalence Index = B/A =2.069_		
8.		0]		Hydrophytic Vegetation Indicators:		
9.		0]		✓ Dominance Test is > 50%		
10.		0				✓ Prevalence Index is ≤3.0		
Herl	Total Cover: b Stratum 50% of Total Cover:		% of Total Cover: 1.2			Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)		
1.	Alopecurus aequalis	10	_	_	OBL	Problematic Hydrophytic Vegetation (Explain)		
	Equisetum arvense		_		FAC	¹ Indicators of hydric soil and wetland hydrology must		
٠.	Carex saxatilis			<u>/</u>]	FACW	be present, unless disturbed or problematic.		
4.			-			Plot size (radius, or length x width)10m		
			-	_ 		% Cover of Wetland Bryophytes		
			-	_ ا		(Where applicable)		
			-	_ 		% Bare Ground 100		
			-	Ī		Total Cover of Bryophytes0	-	
		0	-			Hydrophytic		
'0.	Total Cover	23	_			Hydrophytic Vegetation		
	50% of Total Cover:			Cover:	4.6	Present? Yes • No ·		
Rem	arks:							

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW15_T342_04

Profile Description Depth	•	he depth nee latrix	ded to docum	ent the indicator or con	firm the abs		icators)			
(inches)	Color (moi	Color (moist) %		Color (moist) % Type ¹			Loc ²	Texture	Remarks	
0-20	2.5Y	4/2	100	Color (moist)	<u>-70</u>			Loamy Sand	very porus. gravel and cobbles semirounded	
¹Type: C=Con		Depletion.	RM=Reduce	d Matrix ² Location				nnel. M=Matrix		
Histosol or				Alaska Color Ch	ange (TA4)4		Alaska Gleyed Without H	lue 5Y or Redder	
Histic Epipedon (A2)				Alaska Alpine sv			✓	Underlying Layer Other (Explain in Remarks)		
☐ Thick Dark ☐ Alaska Gley ☐ Alaska Red	-)			hydrophyti e landscap	c vegetati e position	on, one prin must be pre	nary indicator of wetland		
Restrictive Layer Type: Depth (inches	r (if present):	,						Hydric Soil Present	? Yes • No O	
HYDROLOG	GY									
Wetland Hydr	ology Indicat	tors:						Secondary Ind	icators (two or more are required)	
Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos	ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6)	s sufficient)		✓ Inundation Vi Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season W Other (Explain	etated Con (B15) fide Odor (/ater Table	cave Surfa (C1) e (C2)		Water Sta Drainage Oxidized F Presence Salt Depo Stunted o Geomorph Shallow A	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) r Stressed Plants (D1) nic Position (D2) quitard (D3) graphic Relief (D4)	
Field Observa Surface Water Water Table Pr Saturation Pres (includes capill	Present? resent? sent?	Yes O Yes O	No •	Depth (inches Depth (inches Depth (inches	s):		Wetlar	nd Hydrology Presei	nt? Yes [©] No ^C	
Describe Record	led Data (strea	am gauge, r	monitor well	, aerial photos, prev	ious insped	ction) if av	vailable:			
Remarks: seasonally flood	led pond (PUSC	C) with sort	ed ground.							

U.S. Army Corps of Engineers Alaska Version 2.0