WETLAND DETERMINATION DATA FORM - Alaska Region

	ite: Susitna-Watana Hydroelectric Project		orough/City:	Matanusk	ca-Susitna Borough Sampling Date: 11-Jul-13
Applican	t/Owner: Alaska Energy Authority				Sampling Point: SW13_T126_16
Investiga			Landform (hill	side, terrac	ee, hummocks etc.): Hillside
-	ief (concave, convex, none): hummocky		Slope: 0.0		
	n : Southcentral Alaska		· 62.888224616		Long.: -149.373024308 Datum: WGS84
_			JZ.000ZZ401C		
	Unit Name:		. V	No ○	NWI classification: Upland
Are Veg Are Veg	getation , Soil , or Hydrology r	significantly naturally pro wing sam	disturbed?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No No eded, explain any answers in Remarks.) Iormal Circumstances" present? Yes No
	ydrophytic Vegetation Present? Yes No C		Is	the Sam	pled Area
	ydric Soil Present? Yes No •			thin a W	-
V	/etland Hydrology Present? Yes ○ No ●)	•••	4 77	ottaria :
	ATION -Use scientific names of plants. Li				Dominance Test worksheet:
T	Name de la constante de la con	Absolute	Dominant Species?		Number of Dominant Species
	Stratum Picea glauca	<u>% Cover</u> 2	Species r	Status FACU	That are OBL, FACW, or FAC: 3 (A)
2.		0		TACO	Total Number of Dominant
3.					Species Across All Strata: 4 (B)
4.		0			Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
5.					
_	Total Cover:				Prevalence Index worksheet: Total % Cover of: Multiply by:
Saplir			of Total Cover:	0.4	001.0
-					
_	Picea glauca			FACU	
_	Salix pulchra	5	✓	FACW	FAC Species 76.2 x 3 = 228.6 FACU Species 12.3 x 4 = 49.20
	/accinium uliginosum	40	<u>~</u>	FAC FAC	UPL Species 0 x 5 = 0
_	Empetrum nigrum Spiraea stevenii	<u>30</u> 5		FACU	
_	Arctostaphylos alpina			FACU	Column Totals: 93.8 (A) 288.4 (B)
_	/accinium vitis-idaea	0.1		FAC	Prevalence Index = B/A = 3.075
	Salix fuscescens	0.1		FACW	Hydrophytic Vocatation Indicators:
9.		0.1		TACW	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%
10.					Prevalence Index is ≤3.0
	Total Cover: Stratum 50% of Total Cover:	84.2	of Total Cover	: 16.84	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
-	Cornus suecica	5	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
_	Pedicularis labradorica	0.1		FACW	Indicators of hydric soil and wetland hydrology must
_	Festuca altaica			FAC	be present, unless disturbed or problematic.
" -	Anemone narcissiflora	0.1		FACU	Diet size (vadius on les ett variable)
_	Anthoxanthum monticola ssp. alpinum	0.1		FACU	Plot size (radius, or length x width)
6.	/iola epipsila	0.1		FACW	% Cover of Wetland Bryophytes (Where applicable)
7. <u>/</u>	Artemisia norvegica	_1_		FACU	% Bare Ground
8	rientalis europaea	0.1		FACU	Total Cover of Bryophytes
9. <u>/</u>	Aconitum delphinifolium	0.1		FAC	
10					Hydrophytic
	Total Cover:		of Total Cover:		Vegetation Present? Yes ● No ○
	50% of Total Cover:	JU 7/1%	or rotal Cover.	1.52	F1656 L: 165 \to 110 \to

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SOIL Sampling Point: SW13_T126_16

Profile Descripti		the depth r	needed to docu	ment the indicator or co	nfirm the abso		cators)				
Depth (inches)	Color (mo		%	Color (moist)	%	_Type ¹	Loc ²	Texture	Remarks		
0-3	10YR	2/2	100	Color (Illoist)		Туре	LOC	Sapric Organics	- Tolliano		
3-4	10YR	2/2	100					Silt Loam			
-								-			
4-6	10YR	4/3						Sandy Loam			
6-14									ang-subang coarse sand-cobbles, compact		
	-										
¹Type: C=Cor	ncentration. D	=Depletior	n. RM=Reduc	ced Matrix ² Location	n: PL=Pore	Lining. RC	=Root Cha	nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for P	oblematic	Hydric So	oils: ³				
Histosol or	Histel (A1)			☐ Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder							
Histic Epip	edon (A2)			Alaska Alpine swales (TA5) Underlying Layer							
Hydrogen	Sulfide (A4)			Alaska Redox \	With 2.5Y H	ue		Other (Explain in Remark	rs)		
Thick Dark	Surface (A12)		30	: h				doala.a		
Alaska Gle	, , ,			and an appropria				nary indicator of wetland hesent	lydrology,		
Alaska Rec	dox (A14) yed Pores (A1	5)		4 Give details of c	olor change	in Remark	· ·s				
		-									
Restrictive Laye	er (if present):							Undria Cail Brosant	? Yes○ No •		
Type: Depth (inch	nec).							Hydric Soil Present	? Yes ○ No ◎		
Remarks:	103).										
compacted till (
HYDROLO	GY										
HYDROLO Wetland Hydi		ntors:						Secondary Indi	cators (two or more are required)		
HYDROLO Wetland Hydi Primary Indica	rology Indica		nt)						cators (two or more are required)_ned Leaves (B9)		
Wetland Hydi	rology Indica tors (any one		nt)	☐ Inundation \	risible on Ae	rial Image	ry (B7)	Water Stai			
Primary Indicate Surface W	rology Indica tors (any one		nt)	☐ Inundation V		-	, , ,	Water Stai	ned Leaves (B9)		
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