WETLAND DETERMINATION DATA FORM - Alaska Region

/Site: Susitna-Watana Hydroelectric Project	E	Borough/City:	Matanusk	a-Susitna Borough Sampling Date:24-Aug-15									
ivestigator(s): GVF Landform (hillside, terrace, hummocks etc.): Knob													
		Slope: 7.0	% / 4.0										
	Lat ·	·		Long.: Datum: WGS84									
				(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○									
	•	•		ionnal oli cametanoco procont.									
• •			•	eded, explain any answers in Remarks.)									
IARY OF FINDINGS - Attach site map show	ving san	npling point	locations	s, transects, important features, etc.									
Hydrophytic Vegetation Present? Yes No													
)	Is	the Sam										
· · · · · · · · · · · · · · · · · · ·)	wi	thin a W	/etland? Yes ○ No •									
,													
No.													
TATION -Use scientific names of plants Li	st all sne	ecies in the	nlot.										
Ose scientific flames of plants.				Dominance Test worksheet:									
Stratum				Number of Dominant Species									
Stratum	70 00101			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:									
		•	0	001.0									
				FAC Species 46 x 3 = 138 FACU Species 6.1 x 4 = 24.4									
				UPL Species $0 \times 5 = 0$									
•				Column Totals: <u>67.1</u> (A) <u>192.4</u> (B)									
				Prevalence Index = B/A = 2.867									
	1			Hydrophytic Vegetation Indicators:									
·			1700	Dominance Test is > 50%									
				✓ Prevalence Index is ≤3.0									
		_		Morphological Adaptations (Provide supporting data in									
500/ 57 110			: 13.2	Remarks or on a separate sheet)									
Carex bigelowii	1		FAC	Problematic Hydrophytic Vegetation (Explain)									
-	0.1		UPL	¹ Indicators of hydric soil and wetland hydrology must									
	0			be present, unless disturbed or problematic.									
				District (and its on leasth as width)									
				Plot size (radius, or length x width)									
	•			% Cover of Wetland Bryophytes (Where applicable)									
	_			% Bare Ground60									
				Total Cover of Bryophytes 35									
	0			Hydrophytic									
T.1.16.	1.1			Vegetation Present? Yes ● No ○									
Total Cover: 50% of Total Cover: 0				Present? Yes No									
in Sie in Fine e / H H \ III	Int/Owner: Alaska Energy Authority gator(s): GVF elief (concave, convex, none): hummocky ion: Cook Inlet Mountains p Unit Name: natic/hydrologic conditions on the site typical for this tire egetation	Int/Owner: Alaska Energy Authority pator(s): GVF elief (concave, convex, none): hummocky ion: Cook Inlet Mountains	Int/Owner: Alaska Energy Authority pator(s): GVF	nt/Owner: Alaska Energy Authority pator(s): GVF									

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SOIL Sampling Point: SW15_T317_01

Profile Descript	ion: (Describe to	the depth n	eeded to doc	ument the indicator or co	onfirm the ab	sence of indic	ators)			
Depth		Matrix			dox Feat					
(inches)	Color (mo	oist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks	
0-1								Fibric Organic		
1-5								Hemic Organics		
5-6	 5Y	2.5/2	100					Sandy Loam	spodic horizon.	
6-18	7.5YR	2.5/3	100					Sandy Loam	organic inclusions. with subangular rocks.	
	7.511	2.3/3						Sundy Louin	organic inclusions. With subangular rocks.	
¹Type: C=Co	ncentration. D	=Depletior	. RM=Redu	ced Matrix ² Locatio	n: PL=Poi	re Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil I	ndicators:			Indicators for P	roblemati	ic Hvdric So	oils:			
	r Histel (A1)			Alaska Color C		4		Alaska Gleyed Without H	ue 5Y or Redder	
	pedon (A2)			Alaska Alpine s		-		Underlying Layer		
	Sulfide (A4)			Alaska Redox	•	•		Other (Explain in Remarks)		
	k Surface (A12)								
Alaska Gle	-	,						nary indicator of wetland h	ydrology,	
Alaska Red				and an appropria	te landsca	pe position r	nust be pre	esent		
Alaska Gle	eyed Pores (A1	5)		⁴ Give details of c	olor chang	je in Remark	S			
Restrictive Laye	er (if precent):									
Type:	ei (ii preseiit).							Hydric Soil Present	? Yes ○ No •	
Depth (incl	nes):							riyuric 30ii Fresenc	: 165 0 110 0	
. ,										
Remarks:										
no hydric soil ir	naicators									
HYDROLO	GY									
Wetland Hyd	rology Indica	itors:						Secondary Indi	cators (two or more are required)	
Primary Indica	tors (any one	is sufficier	t)					Water Stai	ned Leaves (B9)	
Surface V	Vater (A1)			☐ Inundation \	isible on A	Aerial Image	ry (B7)	Drainage F	Patterns (B10)	
High Wat	er Table (A2)			Sparsely Veg	etated Co	ncave Surfac	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)	
Saturation	n (A3)			Marl Deposit	s (B15)			Presence o	f Reduced Iron (C4)	
Water Ma	ırks (B1)			Hydrogen Su	ılfide Odor	(C1)		Salt Depos	its (C5)	
Sediment	Deposits (B2)			Dry-Season	Water Tab	le (C2)		Stunted or	Stressed Plants (D1)	
Drift Depo	osits (B3)			Other (Expla	in in Rema	arks)		Geomorph	ic Position (D2)	
Algal Mat	or Crust (B4)							Shallow Ad	juitard (D3)	
Iron Depo	osits (B5)							Microtopog	graphic Relief (D4)	
☐ Surface S	oil Cracks (B6)							✓ FAC-neutra	l Test (D5)	
Field Observa	ations:									
Surface Wate	r Present?	Yes) No ●	Depth (inche	es):					
Water Table F	Present?	Yes	No ●	Depth (inche	es):		Wetlar	nd Hydrology Presen	t? Yes O No 💿	
Saturation Pre		Yes C	No •	Depth (inche	-s)·					
(includes capi	llary fringe)		110	Берит (теле						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										

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