WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site:

Susitna-Watana Hydroelectric Project

Borough/City: Denali Borough

Sampling Date: 04-Aug-13

plicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T150_03		
estigator(s): SLI, EAC	L	andform (hills	side, terrac	e, hummocks etc.): Channel (active)		
al relief (concave, convex, none): concave		Slope: 10.5	% /6.0	° Elevation: 760		
region: Interior Alaska Mountains	Lat.: 6	3.334418774		Long.: -148.286700606 Datum: WGS84		
Map Unit Name:	_			NWI classification: R3UBH		
climatic/hydrologic conditions on the site typical for this ti	me of year?	Yes (● No ○	(If no, explain in Remarks.)		
	significantly		Are "N	ormal Circumstances" present? Yes No		
	naturally pro	oblematic?		ded, explain any answers in Remarks.)		
MMARY OF FINDINGS - Attach site map sho						
		piling point	locations	s, transects, important reatures, etc.		
Hydrophytic Vegetation Present? Yes No		ls t	the Sam	pled Area		
Hydric Soil Present? Yes No	etland? Yes No					
Wetland Hydrology Present? Yes ● No ○)		a vv	onaria i		
Remarks: characterizing active channel of R3UBH. cobble wetlands at this site. water 6-12in deep, chann						
GETATION -Use scientific names of plants. L	ist all spe	cies in the p	olot.			
	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: (A)		
1.				Total Number of Dominant		
2.	_			Species Across All Strata: 0 (B)		
3.				Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/E		
5.	0 0			That Are OBL, FACW, 01 FAC. 0.0%		
Total Cover				Prevalence Index worksheet:		
Sapling/Shrub Stratum 50% of Total Cover:		of Total Cover:	0	Total % Cover of: Multiply by:		
Sapinig/Sili ub Stratum 50% of Total Cover.				OBL Species 0 x1 = 0		
1.				FAC Species 0 x 2 = 0		
2.				FAC Species 0 x 3 = 0 FACU Species 0 x 4 = 0		
3.				FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0		
5.	•					
5. 6.				Column Totals: 0 (A) 0		
7.		ī		Prevalence Index = B/A =		
8.				Hydrophytic Vegetation Indicators:		
9.	0			Dominance Test is > 50%		
0.	0			Prevalence Index is ≤3.0		
Total Cover Herb Stratum 50% of Total Cover:		of Total Cover:	0	Morphological Adaptations ¹ (Provide supporting data i Remarks or on a separate sheet)		
1	0			✓ Problematic Hydrophytic Vegetation ¹ (Explain)		
2.				¹ Indicators of hydric soil and wetland hydrology must		
3.				be present, unless disturbed or problematic.		
4.				Plot size (radius, or length x width) 10m		
5				% Cover of Wetland Bryophytes		
6				(Where applicable)		
7				% Bare Ground		
8.				Total Cover of Bryophytes		
0						
9		1 1		Hydrophytic		
10. Total Cover	· 0			Vegetation		

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SOIL Sampling Point: SW13_T150_03

	rofile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) **Redox Features**						ators)			
Depth (inches)	Color (mois	:t)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
		,		- CO.O. (O.O.)		.,,,,				
-										
									-	
-										
	-				-			-		
¹Type: C=Con	centration. D=[Depletion. I	RM=Reduc	ed Matrix ² Location				nnel. M=Matrix		
Hydric Soil Ir	ndicators:			Indicators for Pr	oblemati	Hydric So	ils: ³			
Histosol or	Histel (A1)			Alaska Color Ch	nange (TA	1)4		Alaska Gleyed Without H	ue 5Y or Redder	
Histic Epipe	edon (A2)			Alaska Alpine s	wales (TA	5)		Underlying Layer		
	Sulfide (A4)			Alaska Redox V	Vith 2.5Y H	lue	✓	Other (Explain in Remark	(S)	
	Surface (A12)									
Alaska Gley								nary indicator of wetland h	nydrology,	
Alaska Red				and an appropriat	e landscap	e position m	nust be pre	esent		
	ved Pores (A15)	ı		4 Give details of co	olor chang	e in Remarks	S			
Restrictive Laye	r (if present):									
Type:	. (p. 656e).							Hydric Soil Present	? Yes • No O	
Depth (inch	es).							Tryuric 3011 Fresent	: 1es C 140 C	
Remarks:										
	OSLIBH accume	hydric soil	due to flo	wing water and chan	nel mornh	ology				
active chamile r	COODII. assume	riyuric son	due to not	wing water and chan	nei morph	ology				
HYDROLO										
Wetland Hydr									cators (two or more are required)	
	ors (any one is	sufficient)							ned Leaves (B9)	
Surface W	` ,			Inundation V	isible on A	erial Imager	y (B7)		Patterns (B10)	
	r Table (A2)			Sparsely Veg	etated Cor	cave Surfac	e (B8)	☐ Oxidized R	hizospheres along Living Roots (C3)	
Saturation	` '			Marl Deposits	` ,				of Reduced Iron (C4)	
Water Mar				Hydrogen Su	lfide Odor	(C1)		☐ Salt Depos	sits (C5)	
Sediment	Deposits (B2)			Dry-Season V	Vater Tabl	e (C2)			Stressed Plants (D1)	
Drift Depo	sits (B3)			Other (Explai	n in Rema	rks)		✓ Geomorph	ic Position (D2)	
Algal Mat	or Crust (B4)							Shallow Ad	quitard (D3)	
☐ Iron Depo	sits (B5)							☐ Microtopog	graphic Relief (D4)	
Surface So	oil Cracks (B6)							FAC-neutra	al Test (D5)	
Field Observa	tions:									
Surface Water	Present?	Yes 💿	No \bigcirc	Depth (inche	s): 8					
Water Table P	resent?	Yes \bigcirc	No 💿	Depth (inche	s):		Wetlar	nd Hydrology Presen	it? Yes 💿 No 🔾	
Saturation Pre (includes capil		Yes 〇	No •	Depth (inche	s):					
		m daugo i	monitor wa	Il aprial photos pro-	ious isses	ction) if ava	ilahle:			
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										
active channel	-3ubh									
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