WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroele	ctric Project	Bo	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 05-Aug-13
Applicant/Owner: Alaska Energy Author	ity				Sampling Point: SW13_T100_09
Investigator(s): BAB	<u>, </u>	I	Landform (hills	side, terrac	e, hummocks etc.): pond
	oncave		Slope:		° Elevation: 783
Subregion : Copper River Basin		lat: 6	· 62.613907596		Long.: -147.421502229 Datum: NAD83
			02.010907090		
Soil Map Unit Name:				No ○	NWI classification: L1UBH
Are Vegetation , Soil , or SUMMARY OF FINDINGS - Attack	Hydrology 🗌 sign Hydrology 🔲 natu h site map showin	nificantly urally pro	disturbed?	Are "N (If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		le f	tha Sam	pled Area
Hydric Soil Present?	Yes No			thin a W	-
Wetland Hydrology Present? Remarks: 3 juv rusty blackbirds. waterb	Yes ● No ○		WII	ının a vv	etiand? Tes © No ©
VEGETATION - Use scientific nam	nes of plants. List a		cies in the p		Dominance Test worksheet:
Tree Stratum		Cover	Species?	Status	Number of Dominant Species
1.		0			That are OBL, FACW, or FAC:0 (A)
2.		0			Total Number of Dominant Species Across All Strata: 0 (B)
3.		0			Percent of dominant Species
4.		0			That Are OBL, FACW, or FAC: 0.0% (A/B)
5.		0			Prevalence Index worksheet:
	Total Cover:	0			Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50%	of Total Cover: 0	20% /	of Total Cover:	0	OBL Species 2.2 x 1 = 2.2
1		0			FACW Species 0.1 x 2 = 0.200
2.		0			FAC Species0 x 3 =0
3.		0			FACU Species 0 x 4 = 0
4.		0			UPL Species <u>0</u> x 5 = <u>0</u>
5.		0			Column Totals: <u>2.3</u> (A) <u>2.400</u> (B)
6.		0			
7.		0			Prevalence Index = B/A =1.043
8		0			Hydrophytic Vegetation Indicators:
9		0			☐ Dominance Test is > 50%
10		0			Prevalence Index is ≤3.0
Herb Stratum 50%	Total Cover: 0	0 20%	of Total Cover:	0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
Potamogeton alpinus		0.1		OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
		1		OBL	¹ Indicators of hydric soil and wetland hydrology must
		0.1		FACW	be present, unless disturbed or problematic.
-		0.1		OBL	Plot size (radius, or length x width)
				OBL	% Cover of Wetland Bryophytes
6					(Where applicable)
7.		0			% Bare Ground
8.		0			Total Cover of Bryophytes
9.		0			
10		2.3			Hydrophytic Vegetation
	. Julian Cover.				
50%	of Total Cover: 1.15	20%	of Total Cover:	0.46	Present? Yes No

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SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Matrix

Redox Features

Depth	Matrix							
(inches) Color (mo	ist)	%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks
								_
								_
								-
							-	
								-
Type: C=Concentration. D:	Depletion. R	M=Reduce	ed Matrix ² Location	: PL=Por	e Lining. RO	C=Root Cha	nnel. M=Matrix	
ydric Soil Indicators:			Indicators for Pro	oblemati	Hydric S	oils: ³		
Histosol or Histel (A1)			Alaska Color Ch	ange (TA	4 1)		Alaska Gleyed Without H	lue 5Y or Redder
Histic Epipedon (A2)			Alaska Alpine sv	wales (TA	5)		Underlying Layer	
Hydrogen Sulfide (A4)			Alaska Redox W	/ith 2.5Y H	lue	✓	Other (Explain in Remar	ks)
Thick Dark Surface (A12)		3.0					le de les
Alaska Gleyed (A13)			and an appropriate				nary indicator of wetland	nyarology,
Alaska Redox (A14)			⁴ Give details of co		•	•		
Alaska Gleyed Pores (A1	5)		· Give details of co	nor charig	e III Kelliair	· ·		
estrictive Layer (if present):								
T							Hydric Soil Present	t? Yes 💿 No 🔾
Type:								
Type: Depth (inches): emarks: essume hydric soil due to hyc	rophytic vego	etation and	1 inundation.					
Depth (inches): emarks: esume hydric soil due to hyd	rophytic veg	etation and	1 inundation.					
Depth (inches): emarks: esume hydric soil due to hyd		etation and	d inundation.					
Depth (inches): emarks: ssume hydric soil due to hyd YDROLOGY Vetland Hydrology Indica	tors:	etation and	1 inundation.					icators (two or more are required)
Depth (inches): emarks: ssume hydric soil due to hyd YDROLOGY Vetland Hydrology Indicatrimary Indicators (any one	tors:	etation and		sible on A		(B7)	Water Sta	ined Leaves (B9)
Depth (inches): emarks: ssume hydric soil due to hydric YDROLOGY Vetland Hydrology Indicatrimary Indicators (any one Surface Water (A1)	tors:	etation and	☑ Inundation Vi				Water Sta	ined Leaves (B9) Patterns (B10)
Depth (inches): emarks: sume hydric soil due to hyd YDROLOGY Yetland Hydrology Indica rimary Indicators (any one Surface Water (A1) High Water Table (A2)	tors:	etation and	✓ Inundation Vi ✓ Sparsely Vege	etated Cor			Water Sta Drainage Oxidized F	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3)
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Depth (inches): emarks: ssume hydric soil due to hydric summary Indicators (any one of soil soil soil soil soil soil soil soil	tors:	etation and	✓ Inundation Vi ✓ Sparsely Vege ☐ Marl Deposits ☐ Hydrogen Sul	etated Cor (B15) fide Odor Vater Tabl	ncave Surfa (C1) e (C2)		Water Sta Drainage Oxidized F Presence Salt Depo Stunted o	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) r Stressed Plants (D1)
Depth (inches): emarks: ssume hydric soil due to hydric stand Hydrology Indicatrimary Indicators (any one ✓ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	tors:	etation and	✓ Inundation Vi ✓ Sparsely Vege □ Marl Deposits □ Hydrogen Sul	etated Cor (B15) fide Odor Vater Tabl	ncave Surfa (C1) e (C2)		Water Sta Drainage Oxidized F Presence Salt Depo Stunted o Geomorph	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5)
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