WETLAND DETERMINATION DATA FORM - Alaska Region

roject/Site: Susitna-Watar	na Hydroelectric Project	B	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 22-Aug-15
.pplicant/Owner: Alaska En	ergy Authority				Sampling Point: SW15_T207_03
vestigator(s): SLI, ATH			Landform (hills	side, terrac	e, hummocks etc.): Lake
ocal relief (concave, convex,	none): concave		Slope: 0.0	% / 0.0	° Elevation:
ubregion: Interior Alaska M	ountains	Lat.:			Long.: Datum: WGS84
oil Map Unit Name:		_			NWI classification: L1UBH
re climatic/hydrologic conditional conditi	, or Hydrology	significantly naturally pr ving sam	disturbed?	(If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes No O ded, explain any answers in Remarks.) s, transects, important features, etc.
Hydrophytic Vegetation			le	the Sam	pled Area
Hydric Soil Present?	Yes ● No C			thin a W	
Wetland Hydrology Pre	sent? Yes No C)	WI	uiiii a vv	etiality its a no a
	ducks on lake as heli approach ntific names of plants. Li				ented at SW15-T207-01.
		Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum		% Cover	Species?	Status	Number of Dominant Species
1.		0			That are OBL, FACW, or FAC:
2.		0			Total Number of Dominant Species Across All Strata: (B)
3		0			Percent of dominant Species
1		0			That Are OBL, FACW, or FAC: 0.0% (A/B)
5		0			Prevalence Index worksheet:
	Total Cover				Total % Cover of: Multiply by:
Sapling/Shrub Stratum	50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species0 x 1 =0
1.		0			FACW Species 0 x 2 = 0
2		0			FAC Species0 x 3 =0
•					FACU Species0 x 4 =0
					UPL Species <u>0</u> x 5 = <u>0</u>
					Column Totals:0 (A)0 (B)
					Prevalence Index = B/A = 0.000
8.		0			Hydrophytic Vegetation Indicators:
9		0			☐ Dominance Test is > 50%
10		0			Prevalence Index is ≤3.0
Herb Stratum	Total Cover 50% of Total Cover:		of Total Cover	:0	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
1		0			Problematic Hydrophytic Vegetation (Explain)
					¹ Indicators of hydric soil and wetland hydrology must
					be present, unless disturbed or problematic.
4		0			Plot size (radius, or length x width)1x5m
5					% Cover of Wetland Bryophytes
					(Where applicable)
					% Bare Ground
		_			Total Cover of Bryophytes
10	Total Caver				Hydrophytic
	Total Covers	0			Vegetation
	50% of Total Cover:		of Total Cover	Λ	Present? Yes • No O

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	Color (moist)	%	Color (moist)	% Type	<u>Loc ²</u>	Texture	Remarks
					_		
	,						-
							-
	,						
	,						
Type: C=Conce	ntration. D=Depletio	n. RM=Reduce	ed Matrix ² Location	n: PL=Pore Lining.	RC=Root Cha	nnel. M=Matrix	-
Hydric Soil Indi	icators:		Indicators for Pr	oblematic Hydric	Soils:		
Histosol or Hi	stel (A1)		Alaska Color Cl	4		Alaska Gleyed Without H	lue 5Y or Redder
Histic Epipedo	` '		Alaska Alpine s	swales (TA5)		Underlying Layer	
Hydrogen Sul			Alaska Redox V	With 2.5Y Hue	✓	Other (Explain in Remar	ks)
Thick Dark Su							
Alaska Gleyed	` '					nary indicator of wetland	hydrology,
Alaska Redox	. ,		and an appropria	te landscape position	n must be pre	esent	
Alaska Gleyed	` '		⁴ Give details of co	olor change in Rem	arks		
Restrictive Layer (if present):						
Type:						Hydric Soil Present	:? Yes No
Danth (in the se)):					•	
Depth (inches) Remarks: Inundated. Assum	e hydric soil. Fine su	bstrates.			l		
Remarks: inundated. Assum	e hydric soil. Fine su	bstrates.			1		
Remarks: inundated. Assum	e hydric soil. Fine su	bstrates.					
Remarks: inundated. Assum IYDROLOGY Wetland Hydrolo	e hydric soil. Fine su Y ogy Indicators:						icators (two or more are required)
Remarks: inundated. Assum HYDROLOG' Wetland Hydrolo Primary Indicator:	e hydric soil. Fine su Y ogy Indicators: s (any one is sufficie		Z zamelskim V	faible on Assisl Too	(07)	Water Sta	ined Leaves (B9)
Nemarks: nundated. Assum IYDROLOG Wetland Hydrolo Primary Indicator: Surface Wate	e hydric soil. Fine su Y ogy Indicators: s (any one is sufficie er (A1)			'isible on Aerial Ima	- , , ,	Water Sta	ined Leaves (B9) Patterns (B10)
Nemarks: nundated. Assum IYDROLOG Wetland Hydrolo Primary Indicators Surface Wate High Water T	Y ogy Indicators: s (any one is sufficieer (A1) Table (A2)		Sparsely Veg	etated Concave Su	- , , ,	Water Sta Drainage Oxidized F	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3
Nemarks: nundated. Assum IYDROLOGY Wetland Hydrolo Primary Indicators Surface Wate High Water T Saturation (A	Y ogy Indicators: s (any one is sufficie er (A1) Table (A2)		Sparsely Veg Marl Deposits	etated Concave Su s (B15)	- , , ,	Water Sta Drainage Oxidized F	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3 of Reduced Iron (C4)
Nemarks: nundated. Assum IYDROLOG Wetland Hydrolo Primary Indicators Surface Wate High Water T Saturation (A Water Marks	Y ogy Indicators: s (any one is sufficie er (A1) Table (A2) A3) (B1)		Sparsely Veg Marl Deposite Hydrogen Su	etated Concave Su s (B15) Ilfide Odor (C1)	- , , ,	Water Sta Drainage Oxidized F Presence Salt Depo	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5)
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HYDROLOGY Wetland Hydrolo Primary Indicators Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits	Y ogy Indicators: s (any one is sufficie er (A1) Table (A2) A3) (B1) eposits (B2) s (B3)		Sparsely Veg Marl Deposit: Hydrogen Su Dry-Season V	etated Concave Su s (B15) Ilfide Odor (C1)	- , , ,	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) r Stressed Plants (D1) nic Position (D2)
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