WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Obenali Borough Street Stree
Investigator(s): CTS, AMD Landform (hillside, terrace, hummocks etc.): Shoreline Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: 677 Subregion: Interior Alaska Mountains Lat.: 63.37779355 Long.: -148.795267105 Datum: WGS84 Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are Vegetation , Soil , or Hydrology naturally problematic? Are Vegetation , Soil , or Hydrology naturally problematic? Hydrophytic Vegetation Present? Yes No
Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: 677 Subregion: Interior Alaska Mountains Lat.: 63.37779355 Long.: -148.795267105 Datum: WGS84 Soil Map Unit Name: NWI classification: PEM1F Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology instinctly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation , Soil , or Hydrology instinctly problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Vetland Hydrology Present? Yes No Vetland Pydrology Present? Yes No Vetland? Yes No Vetland?
Subregion: Interior Alaska Mountains Lat.: 63.37779355 Long.: -148.795267105 Datum: WGS84 Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
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Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No Wetland? Yes No No No Wetland?
Are Vegetation , Soil , or Hydrology
Hydric Soil Present? Wetland Hydrology Present? Yes No Sold Present? Yes No No Sold Present? No Sold Present? Yes No No Sold Present? No Sold Present?
Wetland Hydrology Present? Wetland Hydrology Present? Yes No within a Wetland? Yes No Remarks:
Wetland Hydrology Present? Yes No No Remarks:
Absolute Dominant Indicator Tree Stratum Dominant Indicator % Cover Species? Status Dominance Test worksheet: Number of Dominant Species Number of Dominant Species
That are OBL, FACW, or FAC: 2 (A)
2. Total Number of Dominant Species Across All Strata: 2 (B)
3 Percent of dominant Species
4 That Are OBL, FACW, or FAC: (A/B)
5 0 Prevalence Index worksheet:
Total Cover: Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50% of Total Cover:0
1 FACW Species x 2 =
2 FAC Species x 3 =3
3 FACU Species x 4 =0
4 UPL Species x 5 =
5
6.
7
8 O Hydrophytic Vegetation Indicators:
9
10 0
Total Cover: 0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1. Carex aquatilis 40 OBL Problematic Hydrophytic Vegetation (Explain)
2. Glyceria striata 35 OBL 1 Indicators of hydric soil and wetland hydrology must
3. Comarum palustre 4 DBL be present, unless disturbed or problematic.
4. Calamagrostis canadensis 1 FAC Plot size (radius, or length x width) 10m
5. Hippuris vulgaris 1 OBL % Cover of Wetland Bryophytes
6. Cardamine pratensis O.1 U OBL (Where applicable)
7. Chrysosplenium tetrandrum O.1 U OBL % Bare Ground O
8. Eriophorum angustifolium O.1 OBL Total Cover of Bryophytes 10
9. Caltha palustris OBL
10. Epilobium palustre OLL Hydrophytic
Total Cover: 81.5 Vegetation 50% of Total Cover: 40.75 20% of Total Cover: 16.3 Vegetation Present? Yes ● No ○
Remarks: Lichen = 0

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SOIL Sampling Point: SW13_T159_03

Profile Description: (Describe to the depth needs Matrix Depth			d to document the indicator or confirm the absence of indicators) Redox Features				_	
(inches)	Color (moist)	%	Color (moist)	% T	Type ¹	Loc ²	Texture	Remarks
0-16		100					Hemic Organics	
								-
								-
								-
Type: C=Conce	ntration. D=Depleti	on. RM=Reduce	ed Matrix ² Locatio	n: PL=Pore Li	ning. RC=F	Root Cha	nnel. M=Matrix	
Hydric Soil Indi	icators:		Indicators for P	roblematic H	ydric Soil:	ls: ³		
Histosol or Hi	istel (A1)		Alaska Color C	Change (TA4)			Alaska Gleyed Without H	lue 5Y or Redder
Histic Epipedo	on (A2)		Alaska Alpine	swales (TA5)			Underlying Layer	
Hydrogen Sul	lfide (A4)		Alaska Redox	With 2.5Y Hue			Other (Explain in Remar	ks)
Thick Dark Su	urface (A12)		_					
Alaska Gleyed	d (A13)		³ One indicator o and an appropria				nary indicator of wetland l	hydrology,
Alaska Redox	(A14)		ана ан арргорна	ite iaiiuscape p	osidon mu	ast be pre	ESCIIC	
Alaska Gleyed	d Pores (A15)		⁴ Give details of o	color change in	Remarks			
estrictive Layer (if present):							
							Hydric Soil Present	t? Yes • No O
Type: Active I							,	
Type: Active I Depth (inches) emarks: ssumed histosol	•	pit instantly. Pe	ermafrost at 16 in.					
Depth (inches)): 16	pit instantly. Pe	ermafrost at 16 in.					
Depth (inches) emarks: ssumed histosol -): 16 - surface water fills	pit instantly. Pe	ermafrost at 16 in.					
Depth (inches) emarks: ssumed histosol YDROLOG' Vetland Hydrolo): 16 - surface water fills Y ogy Indicators:		ermafrost at 16 in.					icators (two or more are required)
Depth (inches) emarks: ssumed histosol - YDROLOG' Vetland Hydrolo Primary Indicator:	y: 16 - surface water fills Y ogy Indicators: s (any one is sufficients)						Water Sta	ined Leaves (B9)
Depth (inches) emarks: ssumed histosol - YDROLOG' Vetland Hydrolo Primary Indicators Surface Wate	y ogy Indicators: s (any one is sufficier (A1)		Inundation	Visible on Aeria			Water Sta	ined Leaves (B9) Patterns (B10)
Depth (inches) emarks: ssumed histosol - YDROLOG' /etland Hydrolo /rimary Indicators ✓ Surface Wate High Water T	Y ogy Indicators: s (any one is sufficier (A1) Table (A2)		☐ Inundation \	getated Concav			Water Sta Drainage Oxidized F	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3)
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