

WETLAND DE Project/Site: Susitna-Watana Hydroelectric Project				- Alaska Region a-Susitna Borough	Compling Data	24 Aug 15
	D.	orougn/only.	IVIALATIUSK			24-Aug-15
Applicant/Owner: Alaska Energy Authority		an alfa waa (hill		· ·	-	15_T328_07
Investigator(s): <u>SLI, TXC</u>		Slope: 12.2		e, hummocks etc.): ^o Elevation:	Channel (active)	
Local relief (concave, convex, none): concave		Slope: 12.2	%/ /.0			
Subregion : Cook Inlet Mountains	Lat.:			Long.:	Da	tum: WGS84
Soil Map Unit Name:				NWI class	sification: R3UBH	
Are Vegetation 🗹 , Soil 🗹 , or Hydrology 🗌 r	significantly naturally pro	disturbed? oblematic?	(If nee	(If no, explain i formal Circumstances ded, explain any ans	s" present? Yes (wers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map show	-	pling point	locations	s, transects, impo	ortant features, e	etc.
Hydrophytic Vegetation Present? Yes ● No ○ Hydric Soil Present? Yes ● No ○ Wetland Hydrology Present? Yes ● No ○ Remarks: small subalpine stream visible in imagery. channe)	wi	thin a W	pled Area /etland?	⁄es ● No ○	
/EGETATION -Use scientific names of plants. Li						
	Absolute	Dominant	Indicator	Dominance Test wo		
Tree Stratum	% Cover	Species?	Status	Number of Dominant That are OBL, FACW		0 (A)
1. 2.				Total Number of Dom Species Across All S		0 (B)
3. 4.				Percent of dominant That Are OBL, FACW).0% (A/B)
5				Prevalence Index w	vorksheet:	
Total Cover:				Total % Cove	r of: Multiply b	by:
Sapling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species	x 1 =	0
1				FACW Specie	s x 2 =	0
2.				FAC Species	x 3 =	0
3.	-			FACU Species	6 <u>0</u> x 4 =	0
4.				UPL Species	x 5 =	0
5.				Column Totals	: 0 (A)	0 (B)
6.						
7.				Prevalence Inc	$dex = B/A = $ _(0.000
8				Hydrophytic Vegeta	tion Indicators:	
9				Dominance Test	is > 50%	
10				Prevalence Inde	x is ≤3.0	
Total Cover:					daptations (Provide s	upporting data in
Herb Stratum 50% of Total Cover:	0 20%	of Total Cover	0	Remarks or on a	separate sheet)	
1	0			Problematic Hyd	rophytic Vegetation (Explain)
2.	0			¹ Indicators of hydric s		
3	0			be present, unless dis	sturbed or problematic	
4				Plot size (radius, or le	enath x width)	<u>2 x 10m</u>
5. 6.	0			% Cover of Wetland (Where applicable)		
7.	0			% Bare Ground		90

Remarks: unvegetated active channel with trace equisetum and carex. small vegetated islands with low to tall salix excluded from plot. bryophytes include scosco.

Total Cover of Bryophytes

Hydrophytic Vegetation

Present?

0

0 0 0

0

50% of Total Cover: _____ 20% of Total Cover:

Total Cover:

8.

9.

10.

10

Yes 💿 No 🔾

Depth	Matrix		Rec	lox Features			
(inches) Color (n	oist)	%	Color (moist)	<u>%</u> Type ¹	<u>Loc</u> ²	Texture	Remarks
				·			
				·			
ype: C=Concentration. [=Depletion.	RM=Reduc	ed Matrix ² Locatior	n: PL=Pore Lining. RC	=Root Char	nnel. M=Matrix	
				oblematic Hydric S			
Historal or Histol (A1)			Alaska Color Ch	4		Alaska Gleyed Without Hi	ie 5V or Pedder
Histosol or Histel (A1) Histic Epipedon (A2)			Alaska Alpine s	• • •		Underlying Layer	
Hydrogen Sulfide (A4)			Alaska Redox V	()	\checkmark	Other (Explain in Remark	s)
Thick Dark Surface (A1	2)						
Alaska Gleyed (A13)	,			hydrophytic vegetation te landscape position		ary indicator of wetland h	ydrology,
Alaska Redox (A14)						Sent	
Alaska Gleyed Pores (A	15)		⁴ Give details of co	olor change in Remark	S		
trictive Layer (if present							
	•						
Type:						Hvdric Soil Present	? Yes 🖲 No 🔾
Type: Depth (inches): marks:		ric soil. bed	primarily subrounder	d cobbles-stones.		Hydric Soil Present	? Yes • No 🔿
Туре:		ric soil. bed	primarily subrounde	d cobbles-stones.		Hydric Soil Present	? Yes • No O
Type: Depth (inches): marks: /egetated active channel,		ric soil. bed	primarily subrounde	d cobbles-stones.		Hydric Soil Present	? Yes • No O
Type: Depth (inches): marks: regetated active channel, 'DROLOGY etland Hydrology Indic	assume hydr		primarily subrounde	d cobbles-stones.			? Yes No
Type: Depth (inches): narks: egetated active channel, DROLOGY tland Hydrology India mary Indicators (any one	assume hydr					Secondary India	<u>cators (two or more are required)</u> ned Leaves (B9)
Type: Depth (inches): narks: egetated active channel, DROLOGY tland Hydrology India mary Indicators (any one Surface Water (A1)	assume hydr sators: e is sufficient)		Inundation Vi	isible on Aerial Image	ry (B7)	Secondary India Water Stair Drainage P	<u>cators (two or more are required)</u> ned Leaves (B9) atterns (B10)
Type: Depth (inches): narks: egetated active channel, DROLOGY tland Hydrology India mary Indicators (any one Surface Water (A1) High Water Table (A2)	assume hydr sators: e is sufficient)		✓ Inundation Vi Sparsely Vege	isible on Aerial Image etated Concave Surfa	ry (B7)	Secondary India Secondary India Water Stain Drainage P	cators (two or more are required) ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C
Type: Depth (inches): narks: egetated active channel, DROLOGY tland Hydrology India mary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3)	assume hydr sators: e is sufficient)		✓ Inundation Vi Sparsely Vege Marl Deposits	isible on Aerial Image etated Concave Surfa s (B15)	ry (B7)	Secondary India Secondary India Water Stain Drainage P Oxidized R Presence o	cators (two or more are required) ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C f Reduced Iron (C4)
Type: Depth (inches): marks: egetated active channel, DROLOGY tand Hydrology India mary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	assume hydr cators: e is sufficient)		✓ Inundation Vi Sparsely Vege Marl Deposits Hydrogen Sul	isible on Aerial Image etated Concave Surfa s (B15) Ifide Odor (C1)	ry (B7)	Secondary India Water Stair Drainage P Oxidized Ri Presence o Salt Depos	<u>cators (two or more are required)</u> ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C f Reduced Iron (C4) its (C5)
Type: Depth (inches): marks: regetated active channel, DROLOGY thand Hydrology India mary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2	assume hydr cators: e is sufficient)		✓ Inundation Vi Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	isible on Aerial Image etated Concave Surfa s (B15) Ifide Odor (C1) Vater Table (C2)	ry (B7)	Secondary India Secondary India Water Stair Drainage P Oxidized Ri Presence o Salt Depos Stunted or	cators (two or more are required) ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C f Reduced Iron (C4) its (C5) Stressed Plants (D1)
Type: Depth (inches): marks: regetated active channel, DROLOGY tland Hydrology India mary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	assume hydr Cators: ⊇ is sufficient)		✓ Inundation Vi Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	isible on Aerial Image etated Concave Surfa s (B15) Ifide Odor (C1)	ry (B7)	Secondary India Secondary India Water Stair Drainage P Oxidized Ri Oxidized Ri Presence o Salt Depos Stunted or Geomorphi Geomorphi	cators (two or more are required) ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C f Reduced Iron (C4) its (C5) Stressed Plants (D1)
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Type: Depth (inches): marks: regetated active channel, DROLOGY thand Hydrology India mary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	assume hydr sators: e is sufficient)		✓ Inundation Vi Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	isible on Aerial Image etated Concave Surfa s (B15) Ifide Odor (C1) Vater Table (C2)	ry (B7)	Secondary India Secondary India Water Stair Drainage P Oxidized Ri Presence o Salt Depos Stunted or Geomorphi Shallow Aq	cators (two or more are required) ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3 f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) iraphic Relief (D4)
Type: Depth (inches): marks: regetated active channel, DROLOGY etland Hydrology India mary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	assume hydr sators: e is sufficient)))	✓ Inundation Vi Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	isible on Aerial Image etated Concave Surfa s (B15) Ifide Odor (C1) Vater Table (C2)	ry (B7)	Secondary India Secondary India Water Stain Drainage P Oxidized R Presence o Salt Depos Stunted or Stunted or Stanlow Aq Microtopog	cators (two or more are required) ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3 f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) iraphic Relief (D4)
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