WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Proje	t Borough/City:	Matanuska-S	Susitna Borough	_ Sampling Da	ate: 24	I-Aug-15
Applicant/Owner: Alaska Energy Authority			Samp	ling Point:	SW15_	T331_02
Investigator(s): ERT, TXC	Landform (hi	lside, terrace,	hummocks etc.):	Channel (ac	ctive)	
Local relief (concave, convex, none): none	Slope: 5.2	%/ <u>3.0</u> °	Elevation:			
Subregion : Interior Alaska Mountains	Lat.:	L	ong.:		Datum:	WGS84
Soil Map Unit Name:			NWI class	sification: R3	UBH	
Are climatic/hydrologic conditions on the site typical Are Vegetation , Soil , or Hydrology Are Vegetation , Soil , or Hydrology	significantly disturbed?	Are "Norr	(If no, explain i nal Circumstances d, explain any ans	s" present?		No 🔿
SUMMARY OF FINDINGS - Attach site ma	ap showing sampling poin	locations, t	ransects, impo	ortant feature	es, etc.	
Hydrophytic Vegetation Present? Yes ● Hydric Soil Present? Yes ● Wetland Hydrology Present? Yes ●	$100 \bigcirc$	the Sampl ithin a Wet		fes $ullet$ No $igcap$		
Remarks:						
VEGETATION - Use scientific names of pl	ants. List all species in the	plot.				
	Absolute Dominant	Indicator	Dominance Test we	orksheet:		
Tree Stratum	<u>% Cover</u> Species?	Status	Number of Dominant That are OBL, FACW		0	(A)
2.			Fotal Number of Dom Species Across All S		0	(B)

···					Total Number of Dominant
2.		_			Species Across All Strata:(B)
3.		_			Percent of dominant Species
4.					That Are OBL, FACW, or FAC: 0.0% (A/B)
5					Prevalence Index worksheet:
	Total Cover:	(<u>) </u>		Total % Cover of: Multiply by:
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>)	20% of Total Cover:	0	OBL Species x 1 =
1			0		FACW Species 0 x 2 = 0
2.			0		FAC Species 0 x 3 = 0
3.			0		FACU Species x 4 =
4.			0		UPL Species x 5 =
5.			0		Column Totals: <u>0</u> (A) <u>0</u> (B)
6			0		
7			0		Prevalence Index = B/A =0.000
8.			0		Hydrophytic Vegetation Indicators:
9.			0		Dominance Test is > 50%
10.			0		Prevalence Index is ≤ 3.0
	Total Cover:	_)		Morphological Adaptations (Provide supporting data in
Herb Stratum	50% of Total Cover:(0	20% of Total Cover:	0	Remarks or on a separate sheet)
1		_	<u>o </u>		Problematic Hydrophytic Vegetation (Explain)
2.		_	o		¹ Indicators of hydric soil and wetland hydrology must
3			0		be present, unless disturbed or problematic.
4.		-	<u> </u>		Plot size (radius, or length x width) 1x5m
5		_	<u> </u>		% Cover of Wetland Bryophytes
6		_	<u> </u>		(Where applicable)
7		_	<u> </u>		% Bare Ground
8		_	<u> </u>		Total Cover of Bryophytes
9		_	0		
10		_	0		Hydrophytic
	Total Cover:)		Vegetation Present? Yes • No ·
	50% of Total Cover: <u>0</u>)	20% of Total Cover:	0	Present? Yes • No ·
Remarks:					

(inches)	Color (moist)	%	Color (moist)	<u>%</u> Type ¹	_ Loc ²	Texture	Remarks
					· ·		
			·				
ype: C=Con	centration. D=Depleti	on. RM=Redu	iced Matrix ² Locatio	n: PL=Pore Lining. R	C=Root Chan	nel. M=Matrix	
dric Soil In	dicators:		Indicators for P	roblematic Hydric S	oils: ³		
Histosol or			Alaska Color C	4		Alaska Gleyed Without Hue	5Y or Redder
Histic Epipe	. ,		Alaska Alpine	,	_	Underlying Layer	
Hydrogen S			Alaska Redox	With 2.5Y Hue	\checkmark	Other (Explain in Remarks)	
	Surface (A12)		³ One indicator of	f hydrophytic vegetati	n one prima	ary indicator of wetland hydi	elan.
Alaska Gley				te landscape position			ОЮуу,
Alaska Rede	. ,		⁴ Give details of c	olor change in Remar	ks		
	red Pores (A15)						
-	r (if present):						
Depth (inche narks:	es): assume hydric soil					Hydric Soil Present?	Yes • No O
Depth (inche narks:	-					Hydric Soil Present?	Yes • No U
ve channel, a	assume hydric soil					Hydric Soil Present?	Yes ● No ∪
Depth (inche narks: /e channel, a DROLO(tland Hydro	assume hydric soil GY ology Indicators:					_Secondary Indicate	ors (two or more are required)
Depth (inche narks: /e channel, a DROLOC tland Hydre nary Indicate	assume hydric soil GY ology Indicators: ors (any one is suffici	ent)		r iki Assial Image		Secondary Indicate	or <u>s (two or more are required)</u> I Leaves (B9)
Depth (inche narks: /e channel, a DROLOC tland Hydro nary Indicato Surface Wa	assume hydric soil GY ology Indicators: ors (any one is suffici ater (A1)	ent)		/isible on Aerial Image	ery (B7)	Secondary Indicate	ors (<u>two or more are required)</u> I Leaves (B9) erns (B10)
Depth (inche narks: /e channel, a DROLOC tland Hydro nary Indicato Surface Wa	assume hydric soil GY ology Indicators: ors (any one is suffici ater (A1) r Table (A2)	ent)		getated Concave Surfa	ery (B7)	Secondary Indicate	ors (<u>two or more are required)</u> I Leaves (B9) erns (B10)
Depth (inche narks: /e channel, a DROLOC tland Hydro mary Indicate Surface Wa High Water Saturation	GY ology Indicators: ors (any one is suffici ater (A1) r Table (A2) (A3)	<u>ent)</u>	Sparsely Veg	getated Concave Surfa (B15)	ery (B7)	Secondary Indicate	ors (two or more are required) I Leaves (B9) erns (B10) ospheres along Living Roots (C. educed Iron (C4)
Depth (inche narks: ve channel, a DROLOC tland Hydro nary Indicate Surface Wa Surface Wa High Water Saturation Water Marl Sediment [GY ology Indicators: ors (any one is suffici ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2)	ent)	Sparsely Veg	getated Concave Surfa	ery (B7)	Secondary Indicate Water Stained Drainage Patt Oxidized Rhize Presence of R	ors (two or more are required) I Leaves (B9) erns (B10) ospheres along Living Roots (C: educed Iron (C4)
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