WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority		orough/City: Ma	atanuska-Susitna Borough Sampling Date: 05-Jul-13
			Sampling Point: SW13_T105_04
nvestigator(s): JER	e, terrace, hummocks etc.): Channel (active)		
Local relief (concave, convex, none): concave		Slope: %	/ 3.7 ° Elevation: 754
Subregion : Interior Alaska Mountains	Lat.: 6	62.7599837776	Long.: -147.925972105 Datum: NAD83
Soil Map Unit Name:	_		NWI classification: R3UBH
Are climatic/hydrologic conditions on the site typical for this til	mo of voor	? Yes 🖲	
		v disturbed?	Are "Normal Circumstances" present? Yes No No
	0 ,		
	laturally pr	oblematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map show	wing sam	pling point loc	ations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes • No C)		
Hydric Soil Present? Yes	e Sampled Area		
Wetland Hydrology Present? Yes		withi	n a Wetland? Yes $ullet$ No $igloo$
Remarks: small perennial stream w evidence of overbank de		djacent riparian c	ommunity. Overhanging willows obscure creek from above.
	•		,
/EGETATION - Use scientific names of plants. Li	st all spe	cies in the plo	t. Dominance Test worksheet:
Two Charles	Absolute % Cover		tatus Number of Dominant Species
	<u>-% cover</u> 0		That are OBL, FACW, or FAC:(A)
			Total Number of Dominant
	0		Species Across All Strata: (B)
	0		Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
4			
Total Cover:			Prevalence Index worksheet:
		of Total Cover:	Total % Cover of: Multiply by:
	0 20/0		
1	0		FACW Species $0 \times 2 = 0$
2	•		FAC Species $0 \times 3 = 0$
3.	0		FACU Species 0 x 4 = 0
3. 4.	0		
3. 4. 5.	0 0 0		FACU Species 0 x 4 = 0
3. 4. 5. 6.	0 0 0 0 0		FACU Species0 $x 4 =$ 0UPL Species0 $x 5 =$ 0
3. 4. 5. 6. 7.	0 0 0 0 0 0		FACU Species0 $x \ 4 =$ 0UPL Species0 $x \ 5 =$ 0Column Totals:0(A)0Prevalence Index = B/A =0.000
3. 4. 5. 6. 7. 8.	0 0 0 0 0 0 0 0		FACU Species 0 $x 4 =$ 0 UPL Species 0 $x 5 =$ 0 Column Totals: 0 (A) 0 Prevalence Index = B/A = 0.000 Hydrophytic Vegetation Indicators:
3. 4. 5. 6. 7. 8. 9.	0 0 0 0 0 0 0 0 0 0		FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0 Column Totals: 0 (A) 0 (B) Prevalence Index = B/A = 0.000 0 0 Hydrophytic Vegetation Indicators: 0 0 0
3. 4. 5. 6. 7. 8. 9. 10.	0 0 0 0 0 0 0 0 0 0 0		FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0 Column Totals: 0 (A) 0 (B) Prevalence Index = B/A = 0.000 0 (B) Hydrophytic Vegetation Indicators: 0 0 0 Dominance Test is > 50% 0 Prevalence Index is ≤3.0
3. 4. 5. 6. 7. 8. 9. 10. Total Cover:	0 0 0 0 0 0 0 0 0 0 0 0 0	G of Total Cover:	FACU Species 0 $x 4 =$ 0 UPL Species 0 $x 5 =$ 0 Column Totals: 0 (A) 0 (B) Prevalence Index = B/A = 0.000 Hydrophytic Vegetation Indicators: Dominance Test is > 50% Prevalence Index is <3.0
3.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	G of Total Cover:	FACU Species 0 $x 4 =$ 0 UPL Species 0 $x 5 =$ 0 Column Totals: 0 (A) 0 Prevalence Index = B/A = 0.000 Hydrophytic Vegetation Indicators:Dominance Test is > 50%Prevalence Index is ≤ 3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	G of Total Cover:	FACU Species 0 $x 4 = 0$ UPL Species 0 $x 5 = 0$ Column Totals: 0 (A) 0 Prevalence Index = B/A = 0.000 Hydrophytic Vegetation Indicators:Dominance Test is > 50%Prevalence Index is ≤ 3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)Problematic Hydrophytic Vegetation ¹ (Explain)
3.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o of Total Cover:	FACU Species 0 $x 4 =$ 0 UPL Species 0 $x 5 =$ 0 Column Totals: 0 (A) 0 Prevalence Index = B/A = 0.000 Hydrophytic Vegetation Indicators:Dominance Test is > 50%Prevalence Index is ≤ 3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
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3.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	G of Total Cover:	FACU Species 0 $x 4 =$ 0 UPL Species 0 $x 5 =$ 0 Column Totals: 0 (A) 0 (B) Prevalence Index = B/A = 0.000 0 (B) Hydrophytic Vegetation Indicators: 0 0 (B) Dominance Test is > 50% Prevalence Index is ≤ 3.0 0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Image: Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m 9% Cover of Wetland Bryophytes Where applicable) % Bare Ground
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		ne depth needed to do atrix	ocument the indicator or co Re	onfirm the absence of ind edox Features	licators)				
Depth (inches)	Color (mois	it) %	Color (moist)	<u>%</u> Type ¹	Loc ²	Texture	Remarks		
			·						
							-		
							-		
						· · · · · ·			
		Depletion. RM=Rec	duced Matrix ² Locatio			annel. M=Matrix			
Hydric Soil In				Problematic Hydric S	Soils:	٦			
Histosol or	. ,		Alaska Color C		L	Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder		
Histic Epipe			Alaska Alpine	swales (TA5) With 2.5Y Hue	\checkmark	, , ,			
	Sulfide (A4)		Aldska keuux	WITH 2.51 Hue	L		3)		
Alaska Gley	Surface (A12)					mary indicator of wetland h	ıydrology,		
Alaska Gley			and an appropria	ate landscape position	must be pro	esent			
	yed Pores (A15)	1	⁴ Give details of a	color change in Remai	rks				
Restrictive Layer Type:	r (ii present).					Hydric Soil Present	? Yes 🖲 No 🔾		
Depth (inch	ies):					Hyunc Son Fresenc			
	c5).				I				
Remarks: active channel, a	accume hydric (il							
	dssume myane a								
I									
I									
HYDROLOG	GY								
Wetland Hydr		ors:				Secondary Indi	cators (two or more are required)		
Primary Indicat	tors (any one is	sufficient)				Water Stai	ned Leaves (B9)		
Surface Wa	ater (A1)		ו Inundation י	Visible on Aerial Imag	jery (B7)	🗌 Drainage F	Patterns (B10)		
	er Table (A2)			getated Concave Surfa	ace (B8)		hizospheres along Living Roots (C3)		
Saturation	. ,		Marl Deposit	()			of Reduced Iron (C4)		
Water Mar			_	ulfide Odor (C1)		Salt Depos			
_	Deposits (B2)			Water Table (C2)			Stressed Plants (D1)		
Drift Depos	()		☐ Other (Expla	Other (Explain in Remarks) Geomorphic Position Courter to the descent of the des					
Iron Depos	or Crust (B4)			Shallow Aquitard (D3)					
· · ·	oil Cracks (B6)						al Test (D5)		
Field Observa	. ,								
Surface Water		Yes 💿 No 🤇	Depth (inch	ies): 48					
Water Table Pr		Yes No	1 (,	Wetla	nd Hydrology Presen	it? Yes $ullet$ No $igodom$		
Saturation Pres			Deptil (illen	,		ind injuicieg,			
(includes capill		Yes 🔍 No 🤇	Depth (inch	es): 0					
Describe Record	ded Data (strear	m gauge, monitor	well, aerial photos, pre	evious inspection) if a	vailable:				
Remarks:					_				
perennial creek	14 ft across								