WETLAND DETERMINATION DATA FORM - Alaska Region

Owner: Alaska Energy Authority or(s): CTS, AMD of (concave, convex, none): concave Interior Alaska Mountains		-	Iside terrac	Sampling Point: SW13_T147_02 ee, hummocks etc.): Swale								
or(s): CTS, AMD of (concave, convex, none): concave		-	lside terrac									
ef (concave, convex, none): concave		-										
,		Slope:		3 ° Elevation: 664								
Interior Alaska Mountains	l at ·	63.376565990		Long.: -148.945732766 Datum: NAD83								
Jnit Name:	Lutii	03.37 0303330		NWI classification: PSS1/EM1B								
-	4: 	-0 Voo	○ No									
ic/hydrologic conditions on the site typical for this	-			(If no, explain in Remarks.) Jormal Circumstances" present? Yes ○ No ●								
	•	-		tormar orroamotanoco procont.								
etation . , Soil . , or Hydrology	naturally p	orobiematic?	(IT nee	eded, explain any answers in Remarks.)								
RY OF FINDINGS - Attach site map sho	owing sar	mpling point	locations	s, transects, important features, etc.								
drophytic Vegetation Present? Yes No	C	_										
dric Soil Present? Yes No		he Sampled Area										
\sim within a Wotland? Yes \odot NO \bigcirc												
Remarks: Roadside swale at Parks Hwy, gravelly disturbed soils and colonizing veg												
ATION -Use scientific names of plants. I	ist all sp	ecies in the	plot.									
				Dominance Test worksheet:								
tratum			Status	Number of Dominant Species								
	0			That are OBL, FACW, or FAC: 2 (A)								
	0			Total Number of Dominant Species Across All Strata: 3 (B)								
	_			Percent of dominant Species								
	0			That Are OBL, FACW, or FAC: 66.7% (A/B)								
	0			Prevalence Index worksheet:								
Total Cove	r: <u> </u>	-		Total % Cover of: Multiply by:								
g/Shrub Stratum 50% of Total Cover:	0 20%	% of Total Cover	:0	OBL Species0 x 1 =0								
alix barclayi	15	✓	FAC	FACW Species 10.1 x 2 = 20.20								
aliv reticulata	- 8	✓	FAC	FAC Species <u>29.3</u> x 3 = <u>87.90</u>								
anulue haleamifora	6		FACU	FACU Species 30.1 x 4 = 120.4								
aliv alougo	1		FAC	UPL Species <u>1</u> x 5 = <u>5</u>								
aliv nulahra	2		FACW	Column Totals: 70.5 (A) 233.5 (B)								
cea glauca	2		FACU									
etula neoalaskana	1		FACU	Prevalence Index = B/A = 3.312								
alix alaxensis	1	_	FAC	Hydrophytic Vegetation Indicators:								
etula nana	11	. 📙	FAC	✓ Dominance Test is > 50%								
alix arbusculoides	0.1	. \square	FACW	Prevalence Index is ≤3.0								
500/ CT . LO				Morphological Adaptations ¹ (Provide supporting data in								
		_		Remarks or on a separate sheet)								
		- 💆		Problematic Hydrophytic Vegetation ¹ (Explain)								
arex saxatilis		-		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.								
		- 📙		be present, unless disturbed of problematic.								
, , , , , , , , , , , , , , , , , , , 	1	-		Plot size (radius, or length x width)								
arnassia palustris	- <u>1</u>	- 🗒	FACW	% Cover of Wetland Bryophytes								
απασσία μαιαστήσ	$-\frac{1}{0.1}$	-	FACU	(Where applicable)								
chillea millefolium		-	FAC	% Bare Ground 30								
chillea millefolium	0.1			Total Cover of Prienhytes								
stragalus alpinus	0.1		FAC	Total Cover of Bryophytes 30								
stragalus alpinus enecio lugens												
stragalus alpinus	0.1		FAC	Total Cover of Bryophytes 30 Hydrophytic Vegetation Present? Yes No								
	RY OF FINDINGS - Attach site map sho drophytic Vegetation Present? Yes No (dric Soil Present Yes N	RY OF FINDINGS - Attach site map showing sale drophytic Vegetation Present? Yes No drice Soil Present? Yes No drice Soil Present? Yes No Site Roadside swale at Parks Hwy, gravelly disturbed soils and of the state	RY OF FINDINGS - Attach site map showing sampling point drophytic Vegetation Present? Yes No Is dric Soil Present? Yes No Is estand Hydrology Present? Yes No Is Roadside swale at Parks Hwy, gravelly disturbed soils and colonizing veg and the stratum Some of plants. List all species in the stratum Some of Total Cover: O 20% of To	RY OF FINDINGS - Attach site map showing sampling point locations drophytic Vegetation Present? Yes No Is the Sam within a West Research of the Sam No Is the Sam within a West Research of the Sam No No Is the Sam within a West Research of the Sam No No No No No No No No No No								

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SOIL Sampling Point: SW13_T147_02

Profile Descript	ion: (Describe to	the depth ne	eded to docum	ent the indicator or	confirm the abs	sence of indic	ators)			
Depth		Matrix			Redox Featu			-		
(inches)	Color (mo	ist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks	
0-16	5Y	4/1	90	10YR 5/6	10	C	PL	Sandy Loam	Large gravel content	
16-20	5Y	4/1	100					Sandy Loam		
						-				
¹Type: C=Co	ncentration. D=	Depletion.	RM=Reduce	d Matrix ² Locat	tion: PL=Pore	e Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil I	ndicators:			Indicators for	Problematic	Hydric So	oils:			
Histosol o	r Histel (A1)			Alaska Color	Change (TA4	ł) ⁴		Alaska Gleyed Without H	ue 5Y or Redder	
Histic Epip	pedon (A2)			Alaska Alpin	e swales (TA5	5)		Underlying Layer		
Hydrogen	Sulfide (A4)			Alaska Redo	x With 2.5Y H	lue		Other (Explain in Remark	(s)	
Thick Dar	k Surface (A12))		3.0 :	-	: 			duala e	
Alaska Gle	eyed (A13)			and an appropr				nary indicator of wetland h esent	nydrology,	
✓ Alaska Re	. ,				·	•	•			
Alaska Gle	eyed Pores (A1	5)		⁴ Give details of	r color change	e in Remark	S			
Restrictive Lay	er (if present):									
Type:								Hydric Soil Present	? Yes ◉ No O	
Depth (incl	hes):									
Remarks:										
HYDROLO	ICV									
Wetland Hyd		tors:						Secondary Indi	cators (two or more are required)	
-	ators (any one i)						ned Leaves (B9)	
	Vater (A1)			Inundation	n Visible on A	erial Imager	rv (B7)		Patterns (B10)	
	er Table (A2)				egetated Con	_		_	hizospheres along Living Roots (C3)	
Saturation				Marl Depo	-				of Reduced Iron (C4)	
☐ Water Ma	ırks (B1)			Hydrogen	Sulfide Odor	(C1)		☐ Salt Depos	sits (C5)	
Sediment	Deposits (B2)				n Water Table			Stunted or	Stressed Plants (D1)	
☐ Drift Dep	osits (B3)			Other (Exp	plain in Remai	rks)		✓ Geomorph	ic Position (D2)	
Algal Mat	or Crust (B4)								quitard (D3)	
Iron Depo	osits (B5)							Microtopog	graphic Relief (D4)	
Surface S	oil Cracks (B6)						-1	FAC-neutra	al Test (D5)	
Field Observa	ations:									
Surface Wate	r Present?		No 💿	Depth (inc	ches): 0					
Water Table F	Present?	Yes 🔾	No 💿	Depth (inc	ches): 0		Wetla	nd Hydrology Presen	t? Yes 💿 No 🔾	
Saturation Pro		Yes O	No •	Depth (inc	checl. ()					
(includes capi										
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										
Swale bottom	pit appears we	ll-drained								

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