WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, SCB Local relief (concave, convex, none): none Slope: % / ° Elevation: 1060 Subregion: Interior Alaska Mountains Lat.: 62.976607 Long: -148.27 Datum: WGS84 Are Climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation
Landform (hillside, terrace, hummocks etc.): Terrace Local relief (concave, convex, none): none Slope: % / ° Elevation: 1060 Subregion: Interior Alaska Mountains Lat.: 62.976607 Long.: -148.27 Datum: WGS84 Soil Map Unit Name: NWI classification: Upland Are climatic/hydrologic conditions on the site typical for this time of year? Yes No
Local relief (concave, convex, none): none
Subregion: Interior Alaska Mountains Lat:: 62.976607 Long:: -148.27 Datum: WGS84 Soil Map Unit Name: 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 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 Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Tree Stratum Absolute % Cover Species? Status 1. Dominance Test worksheet: Number of Dominant Species Nu
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 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 Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Metland? Yes No Wetland? Yes No Tree Stratum Absolute
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 \
Are Vegetation
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 Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Wetland Present? Yes No Wetland Present? Yes No Wetland Present? Yes No Wetland? Yes No Wetland? Yes No Wetland? Yes No Wetland? Yes No Wetland? Yes No Wetland? Yes No Absolute
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No locations, transects, important features, etc. Is the Sampled Area within a Wetland? Yes No locations within a Wetland? Yes No locations in the Sampled Area wit
Hydrophytic Vegetation Present? Yes No low lateral No low Wetland Hydrology Present? Yes No low Within a Wetland? Yes No low No low Within a Wetland? Yes No low No low Within a Wetland? Yes No low Within a Wetland? Yes No low No
Hydric Soil Present? Wetland Hydrology Present? Yes No No No Within a Wetland? Remarks: photo time 1215, #s 1448-50 **Tree Stratum** Absolute
Hydric Soil Present? Wetland Hydrology Present? Yes No No No Within a Wetland? Remarks: photo time 1215, #s 1448-50 **Tree Stratum** Absolute
Wetland Hydrology Present? Yes No No Within a Wetland? Yes No VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum
Remarks: photo time 1215, #s 1448-50 /EGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum
/EGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum
Absolute % Cover Species? Status 1. 0
Absolute % Cover Species? Status 1. 0
Absolute % Cover Species? Status 1. 0
Absolute % Cover Species? Status Number of Dominant Species That are OBL, FACW, or FAC: 3 (A) 2. 0
That are OBL, FACW, or FAC: 3 (A) 1. 0
2
3. O Percent of dominant Species That Are ORL FACW or FAC: 50.0% (A/B
Δ That Δre OBL FACW or FAC: 50.00% (Δ/B
4. Individe OBE, 17.000, 017.0
5. Prevalence Index worksheet:
Total Cover: 0 Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 0 x 1 = 0
1. Betula nana 10 ▼ FAC FACW Species 2 x 2 = 4
2. Vaccinium uliginosum 5 FAC Species 21 x 3 = 63
3. Vaccinium vitis-idaea 1 FAC FACU Species 17.1 x 4 = 68.40
4. Loiseleuria procumbens 8 ✓ FACU UPL Species 2.1 x 5 = 10.5
5. Arctostaphylos alpina 5 FACU Column Totals: 42.2 (A) 145.9 (
6. Dryas octopetala 0.1 UPL
7. Salix arctica Prevalence Index = B/A = 3.457
8. Empetrum nigrum 2 FAC Hydrophytic Vegetation Indicators:
9. Ledum decumbens 2 FACW Dominance Test is > 50%
10. Diapensia lapponica 2 UPL Prevalence Index is ≤3.0
Total Cover: 36.1 Morphological Adaptations ¹ (Provide supporting data in
Herb Stratum 50% of Total Cover: 18.05 20% of Total Cover: 7.22 Remarks or on a separate sheet)
1. Anthoxanthum monticola ssp. alpinum 3 FACU Problematic Hydrophytic Vegetation (Explain)
2. Carex bigelowii 1
3. Anemone narcissiflora 0.1 FACU be present, unless disturbed or problematic.
4. Calamagrostis canadensis 2 FAC Plot size (radius, or length x width) 10m 10m
5
o (where applicable)
7
o
g
Total Cover: 6.1 Hydrophytic Vegetation
50% of Total Cover: 3.05 20% of Total Cover: 1.22 Present? Yes No •
Remarks: confirm ID on calcan, bare ground = bare gravel and boulders with scattered lichens

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13_T131_05

	•	e depth nee	ded to docum	cument the indicator or confirm the absence of indicators) Redox Features					
Depth (inches)	Color (mois	t)	%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks
0-12	10YR	3/4	50	,		-75-		Loamy Sand	w abundant subang c gravel to cobble
								-	
								-	
					-			•	
	-							-	
1 _{Type: C-Cor}	ocentration D=D	enletion [M-Peduce	d Matrix ² Locatio	n: DI – Dore	- Lining PC		nnel M-Matriy	
		repletion. I	MI-Neduce					inner. M-Maurx	
Hydric Soil I				Indicators for Problematic Hydric Soils: Alaska Color Change (TA4) Alaska Gleved Without Hue 5Y or Redder					
Histosol or Histel (A1)				The state of the s					
Histic Epipedon (A2)				☐ Alaska Alpine swales (TA5) Underlying Layer ☐ Alaska Redox With 2.5Y Hue ☐ Other (Explain in Remarks)					
	Sulfide (A4)			☐ Alaska Redox	With 2.5Y F	lue		J Oulei (Explain in Remain	s)
	Surface (A12)			³ One indicator o	f hydrophyt	ic vegetatio	n, one prin	nary indicator of wetland h	nydrology.
Alaska Gle				³ One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present					
Alaska Red	` ,			4 Give details of o	color change	in Remark	(S		
☐ Alaska Gle	yed Pores (A15)			GIVE details of t	color change	z III Keman			
Restrictive Laye	er (if present):								
Type:								Hydric Soil Present	? Yes ○ No •
Depth (inch	nes):								
HYDROLO	GY								
	rology Indicate	ors:						Secondary Indi	cators (two or more are required)
Primary Indica	tors (any one is	sufficient)						Water Stai	ned Leaves (B9)
Surface Water (A1)				☐ Inundation Visible on Aerial Imagery (B7)				☐ Drainage F	Patterns (B10)
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				Oxidized R	hizospheres along Living Roots (C3)
Saturation (A3)				Marl Deposits (B15)				Presence of	of Reduced Iron (C4)
☐ Water Mai	rks (B1)			Hydrogen Sulfide Odor (C1)				☐ Salt Depos	its (C5)
Sediment	Deposits (B2)			☐ Dry-Season Water Table (C2) ☐ Stunted or Stressed Plants (D1)					Stressed Plants (D1)
Drift Depo	osits (B3)			Other (Expla	ain in Rema	rks)		Geomorph	ic Position (D2)
Algal Mat	or Crust (B4)							Shallow Ad	quitard (D3)
☐ Iron Depo	sits (B5)							Microtopog	graphic Relief (D4)
Surface So	oil Cracks (B6)							FAC-neutra	al Test (D5)
Field Observa	ations:								
Surface Water	Present?	Yes 🔾	No 💿	Depth (inch	es):				
Water Table P	resent?	Yes \bigcirc	No 💿	Depth (inch	es):		Wetla	nd Hydrology Presen	it? Yes O No 💿
Saturation Pre	esent?	Yes O	No 💿	, ,	•				
(includes capil	llary fringe)	res \bigcirc	NO S	Depth (inch	es):				
Describe Record	ded Data (strear	n gauge, n	nonitor well	, aerial photos, pre	evious inspe	ction) if ava	ailable:		
Domarker									
Remarks:	Irology indicators	_							
по менапа пуа	Irology indicators								

U.S. Army Corps of Engineers Alaska Version 2.0