WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): WAD, BAB Landform (hillside, terrace, hummocks etc.): Swale Local relief (concave, convex, none): concave Slope: % / 3.6 ° Elevation: 928 Subregion: Interior Alaska Mountains Lat.: 62.9554133422 Long.: -148.392656207 Datum: NAD83 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
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Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Hydric Soil Present? Wetland Hydrology Present? Remarks: Is the Sampled Area within a Wetland? Yes No O within a Wetland? Yes No O
Wetland Hydrology Present? Yes No Within a Wetland? Yes No Remarks:
Wetland Hydrology Present? Yes ● No ○ Remarks:
Absolute Dominant Indicator Dominance Test worksheet:
Tree Stratum
1. That are OBL, FACW, or FAC: 6 (A)
2 Total Number of Dominant Species Across All Strata: 6 (B)
3. Percent of dominant Species
4. 0 That Are OBL, FACW, or FAC: 100.0% (A/E
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 14 x 1 = 14
1 Phododondron tomortogum 15 FACW Species 25 X 2 = 50
1. Rhododendron tomentosum 15 FAC FAC Species 25 X 2 - 50 2. Salix reticulata 10 FAC FAC Species 61 X 3 = 183
3. Vaccinium uliginosum 10 FAC FACU Species 2.1 x 4 = 8.4
4. Betula nana 15 ✓ FAC UPL Species 0 x 5 = 0
5 Out design
5. Salix planifolia5
7. Vaccinium vitis-idaea 5 Prevalence Index = B/A = 2.501
8. Picea glauca 0.1 Hydrophytic Vegetation Indicators:
9
10. 0 Prevalence Index is ≤3.0
Total Cover: 75.1
1. Carex bigelowii 2 FAC Problematic Hydrophytic Vegetation ¹ (Explain)
2. Carex vaginata 4 OBL 1 Indicators of hydric soil and wetland hydrology must
3. Lupinus arcticus 2 FACU be present, unless disturbed or problematic.
4. Tofieldia pusilla 1 FAC
5. Equisetum arvense 2 FAC Plot size (Tadius, or leright x width) 10m
6. Pedicularis labradorica 2
7. Eriophorum angustifolium 5 OBL % Bare Ground
8. Festuca altaica 1 FAC Total Cover of Bryophytes 35
9. Trichophorum caespitosum 5 OBL
10. Rubus chamaemorus 3 Hydrophytic
Total Cover: 27 Vegetation Present? Yes No O
Remarks: 1% cornus suecica.

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SOIL Sampling Point: SW13_T132_03

			ded to docume	ent the indicator or co			ators)		
Depth (inches)		latrix			dox Feature		Loc 2	Texture	Remarks
0-1	Color (moi	st)	<u>%</u>	Color (moist)	<u> </u>	Type ¹	LOC	Fibric Organics	Reliano
1-2			100					Hemic Organics	
2-4	:0.70		100					Sapric Organics	
4-8	10YR	2/2	100					Sapric Organics	with sand
8-12	2.5YR	4/2	100					Coarse Sand	
¹Type: C=Cor	ncentration. D=	Depletion.		d Matrix ² Locatio				nnel. M=Matrix	
Hydric Soil I	ndicators:			Indicators for P	roblematic l	Hydric So	oils: ³		
Histosol or	r Histel (A1)			Alaska Color Change (TA4) Alaska Gleyed Without Hue 5Y or Redder					
✓ Histic Epip	edon (A2)			Alaska Alpine				Underlying Layer	
Hydrogen	Sulfide (A4)			Alaska Redox	With 2.5Y Hu	е	Ш	Other (Explain in Remark	s)
	Surface (A12)			3 One indicator of	f hydronhytic	vegetatio	n one nrim	nary indicator of wetland h	vdrology
Alaska Gle				and an appropria					ydrology,
Alaska Red	dox (A14) eyed Pores (A15	·)		4 Give details of o	color change i	n Remark	S		
Restrictive Laye	er (if nresent):								
Type:	or (ii present).							Hydric Soil Present	? Yes ● No ○
Depth (inch	nes):							Tryunc John Frederic	. 165 0 116 0
Remarks:	,								
HYDROLO	GY	_				_			
Wetland Hyd	rology Indicat								
Wedana nya		tors:						Secondary Indi	cators (two or more are required)
	tors (any one is								cators (two or more are required) ned Leaves (B9)
Primary Indica Surface W	tors (any one is /ater (A1)			Inundation \	/isible on Aeri	ial Imager	y (B7)	Water Stail Drainage P	ned Leaves (B9) atterns (B10)
Primary Indica Surface W High Wate	tors (any one is later (A1) er Table (A2)		1		/isible on Aeri	-	, , ,	Water Stain Drainage F Oxidized R	ned Leaves (B9) atterns (B10) nizospheres along Living Roots (C3)
Primary Indica Surface W High Wate Saturation	tors (any one is /ater (A1) er Table (A2) n (A3)				getated Conca	-	, , ,	Water Stail Drainage F Oxidized R Presence o	ned Leaves (B9) atterns (B10) nizospheres along Living Roots (C3) f Reduced Iron (C4)
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