## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority
Local relief (concave, convex, none): hummocky Slope: 1.7 % / 1.0 ° Elevation:  Subregion: Interior Alaska Mountains  Lat.: Long.: Datum: WGS84  Soil Map Unit Name: NWI classification: PSS1/EM1F  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 Interior alaska significantly disturbed? Are Vegetation Soil Or Hydrology Interior alaska may answers in Remarks.)  SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Wetland Present? Yes No Wetland? Yes No Wetland Present Presen
Local relief (concave, convex, none): hummocky Subregion: Interior Alaska Mountains Lat: Long:: Datum: WGS84  Soil Map Unit Name:  Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation
Subregion: Interior Alaska Mountains
NWI classification: PSS1/EM1F
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
Hydric Soil Present? Wetland Hydrology Present? Yes No No Within a Wetland?  Remarks: Floodplain terrace acting like a toeslope, adjacent to Susitna River.  WEGETATION - Use scientific names of plants. List all species in the plot.    Vec No
Wetland Hydrology Present? Yes No No within a Wetland? Yes No
Wetland Hydrology Present? Yes No Very
Remarks: Floodplain terrace acting like a toeslope, adjacent to Susitna River.    VEGETATION - Use scientific names of plants. List all species in the plot.    Absolute   Dominant   Indicator   Species?   Status
### Cover 1   Prevalence Index worksheet:    Tree Stratum   Absolute   Dominant   Indicator   Species?   Status     Dominant   Species   That Are OBL, FACW, or FAC:   8   (A)     (A/B)     (A/B)   (
1.       That are OBL, FACW, or FAC:       8 (A)         2.       Total Number of Dominant Species Across All Strata:       8 (B)         3.       Percent of dominant Species That Are OBL, FACW, or FAC:       100.0% (A/B)         5.       Prevalence Index worksheet:
2.       Species Across All Strata:       8       (B)         3.       Percent of dominant Species       That Are OBL, FACW, or FAC:       100.0%       (A/B)         5.       Prevalence Index worksheet:
3. Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)  Prevalence Index worksheet:
4. That Are OBL, FACW, or FAC: 100.0% (A/B)  5. Prevalence Index worksheet:
Prevalence Index worksheet:
Total Cover:n Total % Cover of: Multiply by:
Sapling/Shrub Stratum  50% of Total Cover: 0 OBL Species 36 x 1 = 36
1. Salix pulchra 20 ✓ FACW Species 28 x 2 = 56
2. Alnus viridis ssp. sinuata 10 FAC Species 43 x 3 = 129
3. Vaccinium vitis-idaea 8 V FAC FACU Species 0 x 4 = 0
4. Betula glandulosa 8 FAC UPL Species 0 x 5 = 0
5. Picea mariana 8 FACW Column Totals: 107 (A) 221 (B)
6. Betula occidentalis
7. Myrica gale
8. Dasiphora fruticosa 2 Hydrophytic Vegetation Indicators:
9 0
10 0
Total Cover: 65 Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
1. Comarum palustre 15 🗹 OBL 🗆 Problematic Hydrophytic Vegetation (Explain)
2. Carex aquatilis  15  OBL  Indicators of hydric soil and wetland hydrology must
3. Calamagrostis canadensis 10 ✓ FAC be present, unless disturbed or problematic.
4. Caltha palustris 2 OBL
5
6 0 (Where applicable)
7
8 O Total Cover of Bryophytes
9
10 <u>0</u> Hydrophytic
Total Cover: 42 Vegetation  50% of Total Cover: 21 20% of Total Cover: 8.4 Present? Yes • No •
50% of Total Cover: 21 20% of Total Cover: 8.4 Present? Yes No

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SOIL Sampling Point: SW15\_T300\_08

Depth		atrix		ocument the indicator or confirm the absence of indicators)  Redox Features				
(inches)	Color (mois	t) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
							-	
							-	
							II	
1Type: C=Cor	ncentration, D=D	enletion, RM=Re	educed Matrix <sup>2</sup> Location	n: PI =Pore	- ———— - Linina. RO	=Root Char	nnel. M=Matrix	
		- cprocedure rain rain						
Hydric Soil Indicators:  Histosol or Histel (A1)			Indicators for Problematic Hydric Soils:  Alaska Color Change (TA4)			ліз. П	Alaska Gleyed Without Hue 5Y or Redder	
Histic Epip	` ,		Alaska Alpine		•		Underlying Layer	The 31 of Redder
_	Sulfide (A4)		Alaska Redox	•	•	<b>✓</b>	Other (Explain in Rem	arks)
	Surface (A12)							
Alaska Gle	, ,						ary indicator of wetlan	d hydrology,
Alaska Red	, , ,		and an appropri	ate landscap	e position i	nust be pre	sent	
Alaska Gle	eyed Pores (A15)		<sup>4</sup> Give details of	color change	e in Remark	S		
Restrictive Laye	er (if present):							
Type:							<b>Hydric Soil Prese</b>	nt? Yes ● No 🔾
Depth (inch	nes):							
	soil pit, assume l	hydric soil. Probir	ng indicates organics ov	er gleyed m	atrix with s	andy loam t	exture.	
nundated, no s		hydric soil. Probir	ng indicates organics ov	er gleyed m	atrix with s	andy loam t	exture.	
inundated, no s	GY		ng indicates organics ov	er gleyed m	atrix with s	andy loam t		ndicators (two or more are required)
HYDROLO Wetland Hydi	GY rology Indicato	ors:	ng indicates organics ov	er gleyed m	atrix with s	andy loam t	_Secondary I	ndicators (two or more are required)
HYDROLO Wetland Hydi	GY rology Indicato tors (any one is	ors:					Secondary In	ndicators (two or more are required) itained Leaves (B9) e Patterns (B10)
HYDROLO Wetland Hydi Primary Indica	GY rology Indicato tors (any one is	ors:	indicates organics ov	Visible on A	erial Image	ry (B7)	Secondary Ii  Water S  Drainag	itained Leaves (B9)
HYDROLO Wetland Hydi Primary Indica	GY rology Indicato tors (any one is /ater (A1) er Table (A2)	ors:	Inundation	Visible on A getated Cor	erial Image	ry (B7)	Secondary Ir  Water S  Drainag  Oxidized	itained Leaves (B9) e Patterns (B10)
HYDROLO  Wetland Hydi  Primary Indica  Surface W  High Wate	GY rology Indicato tors (any one is /ater (A1) er Table (A2) n (A3)	ors:	☐ Inundation ☐ Sparsely Ve	Visible on A getated Cor ts (B15)	erial Image ncave Surfa	ry (B7)	Secondary II  Water S  Drainag  Oxidized  Presence	itained Leaves (B9) e Patterns (B10) d Rhizospheres along Living Roots (C3)
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