WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): AFW Local relief (concave, convex, none): hummocky	•	ng Point:		
		Flat		
Local relief (concave, convex, none): hummocky Slope: 0.0 % / 0	0.0 ° Elevation:			
Subregion : Interior Alaska Mountains Lat.:	Long.:			
Soil Map Unit Name:	NWI classification: PSS1B			
	"Normal Circumstances' eeded, explain any answ ns. transects. impor	vers in Remarks.)		
Hydrophytic Vegetation Present? Yes ● No ○ Hydric Soil Present? Yes ● No ○	mpled Area	es No		
Remarks:				
VEGETATION - Use scientific names of plants. List all species in the plot.	Dominanco Tost wo			

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1				
2				Total Number of Dominant Species Across All Strata: 4 (B)
3.				Percent of dominant Species
4.				That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
5.				Prevalence Index worksheet:
Total Cover:				Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50% of Total Cover:() 20%	of Total Cover:	0	OBL Species 15 x 1 = 15
1. Betula nana	35		FAC	FACW Species 33 x 2 = 66
2 Vaccinium uliginosum	20		FAC	FAC Species 108 x 3 = 324
3. Rhododendron tomentosum	15		FACW	FACU Species 0 x 4 = 0
	10		FAC	UPL Species $0 \times 5 = 0$
5 Empotrum pigrum	8		FAC	
6 Batula glandulaga	5		FAC	Column Totals: <u>156</u> (A) <u>405</u> (B)
7. Vaccinium oxycoccos	3		OBL	Prevalence Index = B/A = 2.596
8.	0			Hydrophytic Vegetation Indicators:
9.	0			\checkmark Dominance Test is > 50%
10.	0			✓ Prevalence Index is ≤ 3.0
Total Cover:	96			Morphological Adaptations (Provide supporting data in
Herb Stratum 50% of Total Cover:	-	of Total Cover:	19.2	Remarks or on a separate sheet)
1. Carex bigelowii	30	\checkmark	FAC	Problematic Hydrophytic Vegetation (Explain)
2. Rubus chamaemorus	18	\checkmark	FACW	¹ Indicators of hydric soil and wetland hydrology must
3. Carex aquatilis	7		OBL	be present, unless disturbed or problematic.
4. Eriophorum angustifolium	5		OBL	Plot size (radius, or length x width)
5	0			Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes
6	0			(Where applicable)
7	0			% Bare Ground
8	0			Total Cover of Bryophytes 70
9	0			
10	0			Hydrophytic
Total Cover:	60			Vegetation
50% of Total Cover:3	0 20%	of Total Cover:	12	Present? Yes No
Remarks: unidentifiable Pedicularis spp. 5%				

Profile Descripti Depth		ne depth ne I atrix	eded to docun	nent the indicator or con Red	nfirm the ab I ox Featu		ators)		
(inches)	Color (mois	st)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4			100					Peat	
4-13			100					Mucky Peat	-
13-17	5Y	4/2	100					Silty Clay Loam	
17.00							D		
		Depletion.	RM=Reduce	ed Matrix ² Location Indicators for Pro		-		innel. M=Matrix	
Hydric Soil I				Alaska Color Ch		4	//IS:		
	Histel (A1)			Alaska Color Ch		-		Alaska Gleyed Without Hu Underlying Layer	Je 5Y or Redder
Histic Epip				Alaska Redox W	•	,		Other (Explain in Remark	s)
	Sulfide (A4) Surface (A12)				2.311			x p	•
Alaska Gle	. ,							nary indicator of wetland h	ydrology,
Alaska Rec				and an appropriate	e landscap	pe position n	nust be pre	esent	
	yed Pores (A15))		⁴ Give details of co	lor chang	e in Remark	5		
Restrictive Laye	er (if present):								
Type: silty	clay loam							Hydric Soil Present	? Yes 🖲 No 🔾
Depth (inch	ies): 13							-	
Remarks:									
HYDROLO	GY								
	rology Indicat	ors:						Secondary Indic	cators (two or more are required)
Primary Indica	tors (any one is	sufficient)					Water Stair	ned Leaves (B9)
Surface W	/ater (A1)			Inundation Vi	sible on A	erial Imager	y (B7)	🗌 Drainage P	atterns (B10)
✓ High Wate	er Table (A2)			Sparsely Vege	etated Cor	ncave Surfac	e (B8)	Oxidized RI	nizospheres along Living Roots (C3)
Saturation	n (A3)			Marl Deposits	(B15)			Presence o	f Reduced Iron (C4)
Water Ma	rks (B1)			Hydrogen Sul	fide Odor	(C1)		Salt Deposi	its (C5)
	Deposits (B2)			Dry-Season W				_	Stressed Plants (D1)
Drift Depo				Other (Explain	n in Rema	rks)			c Position (D2)
	or Crust (B4)							✓ Shallow Aq	
Iron Depo	()								raphic Relief (D4)
	oil Cracks (B6)							✓ FAC-neutra	l Test (D5)
Field Observa		Vac O	No 🖲	Death (Sector					
Surface Water				Depth (inches	-				
Water Table P			No 🔿	Depth (inches	s): 8		Wetla	nd Hydrology Presen	t? Yes 🖲 No 🔾
Saturation Pre (includes capil		Yes 🖲	No \bigcirc	Depth (inches	s): 4				
Describe Recor	ded Data (strea	m gauge,	monitor wel	l, aerial photos, prev	ious inspe	ection) if ava	ilable:		
Remarks:									