## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Sampling P	mpling Date:05-Aug-13
7 Idona Energy / Iddionty	Point: <b>SW13_T113_05</b>
Investigator(s): WAD, RWM Landform (hillside, terrace, hummocks etc.): Hil	llside
Local relief (concave, convex, none): concave Slope: 14.0 % / 8.0 ° Elevation: 1111	
Subregion: Interior Alaska Mountains Lat.: 62.767552853 Long.: -147.630068779	Datum: WGS84
Soil Map Unit Name: NWI classifica	ation: Upland
Are climatic/hydrologic conditions on the site typical for this time of year?  Are Vegetation , Soil , or Hydrology significantly disturbed?  Are Vegetation , Soil , or Hydrology naturally problematic?  Are "Normal Circumstances" pre (If needed, explain any answers)	esent? Yes • No O in Remarks.)
Hydrophytic Vegetation Present? Yes No No Hydric Soil Present? Yes No No Swetland Hydrology Present? Yes No No Swetland Hydrology Present? Yes No No Swetland Remarks: Willow drainage feature sloping down to the lake. small active channel and innundated depressions throughout	No ●
VEGETATION - Use scientific names of plants. List all species in the plot.  Absolute Dominant Indicator Dominance Test workshope Dominance Test Wo	eet:
Tree Stratum % Cover Species? Status Number of Dominant Speci	
1. That are OBL, FACW, or FA	
2	4(B)
3 Percent of dominant Specie	es
4 That Are OBL, FACW, or F.	AC: 100.0% (A/B)
5	Multiply by:
	0 x 1 = 0
1. Vaccinium digitiosum	51 x 2 = 102
TACH Creation	79 x 3 = <u>237</u>
o. daily public	4 x 4 = 16
- Can't barolay!	0 x 5 = 0
5. Dasiphora fruticosa 4	<u>34</u> (A) <u>355</u> (B)
6. Salix richardsonii 5 FACW Prevalence Index =	B/A = 2.649
7. Ledum groenlandicum 4 FAC FAC	
8	
9	
Total Cover: 83 Morphological Adaptat  Herb Stratum 50% of Total Cover: 41.5 20% of Total Cover: 16.6 Remarks or on a separ	tions <sup>1</sup> (Provide supporting data in rate sheet)
1. Luzula arcuata 3 FACU Problematic Hydrophyl	tic Vegetation <sup>1</sup> (Explain)
2. Calamagrostis canadensis 2 FAC <sup>1</sup> Indicators of hydric soil an	nd wetland hydrology must
3. Valeriana capitata 2 FAC be present, unless disturbed	
4. Swertia perennis 1 FACW Plot size (radius, or length to	v width) 10
5. Sanguisorba canadensis  8 FACW FACW % Cover of Wetland Bryoph	
6. Equisetum arvense 2	
7. Carex bigelowii 5 FAC % Bare Ground	
8. Arctagrostis latifolia 2 FACW Total Cover of Bryophytes	_10
9. Chamerion angustifolium 1 FACU	
10. Cornus suecica 25 FAC Hydrophytic	
Total Covers 54	O O
Total Cover: 51 Vegetation 50% of Total Cover: 25.5 20% of Total Cover: 10.2 Yes	No

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SOIL Sampling Point: SW13\_T113\_05

(inches)	Calas (m	-:-+\	0/	Calas (se	-1-4	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-1	Color (m	uist)	<u>%</u>	Color (m	ioist)		Туре	LUC	Fibric Organics	
1-2			100						Coarse Sand	discontinuous in profile
2-4		-	100						Hemic Organics	abcontantada in prome
4-10		3/1	90	5YR	3/4	10	RM	 PL	Sand	with roots and scattered buried or
				JIK		10	- KI*I			
10-12			100						Sapric Organics	rock beneath
						-				
									-	
Type: C=Co	ncentration. D	=Depletion.	RM=Reduc	ed Matrix	2 Location:	: PL=Pore	e Lining. RC	=Root Cha	nnel. M=Matrix	
lydric Soil I	Indicators:			Indicat	ors for Pro	blematic	: Hydric S	oils: <sup>3</sup>		
<u>-</u>	or Histel (A1)				ka Color Cha		4		Alaska Gleyed With	nout Hue 5Y or Redder
_	pedon (A2)			Alasl	ka Alpine sv	vales (TA5	5)		Underlying Layer	
Hydrogen	Sulfide (A4)			Alas	ka Redox W	ith 2.5Y H	lue		Other (Explain in F	Remarks)
Thick Dar	k Surface (A12	2)		3 One is	diestou of h	a, educanh, et	ia vaaatatia		nary indicator of we	bland hydrology
_	eyed (A13)				appropriate					uanu nyurology,
_	edox (A14)	_,		4 Give	letails of co	lor change	e in Remark	'S		
☐ Alaska Gle	eyed Pores (A1	.5)		GIVE 0	ictails or co	ior criarige	- III Remain			
	er (if present)	:								
Type:									Hydric Soil Pre	esent? Yes O No 💿
Depth (inc	hes):								•	
emarks:		ve channels	. Redox feat	tures do n	ot meet 4/4	or higher	r requireme	nts for AK	Redox hydric soil	
emarks:		ve channels	. Redox fea	tures do n	ot meet 4/4	or higher	r requireme	nts for AK		
emarks:	two small acti	ve channels	i. Redox fea	tures do n	ot meet 4/4	or higher	r requireme	nts for AK		
emarks: t adjacent to YDROLO Vetland Hyd	two small acti	ators:		tures do n	ot meet 4/4	or higher	r requireme	nts for AK	Redox hydric soil	ry Indicators (two or more are requir
YDROLC //etland Hyd	two small actions of the small actions (any one	ators:							Redox hydric soil  Secondal	ry Indicators (two or more are requir er Stained Leaves (B9)
YDROLO //etland Hyd //imary Indica	OGY Irology Indicators (any one Water (A1)	ators:		Inc	undation Vis	sible on Ae	erial Image	ry (B7)	Redox hydric soil  Secondal  Wat  Drai	ry Indicators (two or more are requir er Stained Leaves (B9) nage Patterns (B10)
YDROLO //etland Hyd //rimary Indica   Surface V	OGY Irology Indicators (any one Water (A1) ter Table (A2)	ators:		☐ Int	undation Vis arsely Vege	sible on A	erial Image	ry (B7)	Redox hydric soil  Secondal  Wat  Drai  Oxid	ry <u>Indicators (two or more are requir</u> er Stained Leaves (B9) nage Patterns (B10) lized Rhizospheres along Living Roots
YDROLO /etland Hyd /rimary Indica   Surface V   High Wat	OGY Irology Indicators (any one Water (A1) ter Table (A2) in (A3)	ators:		☐ Int	undation Vis arsely Vege ırl Deposits	sible on Adated Con (B15)	erial Image ncave Surfac	ry (B7)	Secondal  Wat  V Drai  Pres	ry Indicators (two or more are requir er Stained Leaves (B9) nage Patterns (B10) lized Rhizospheres along Living Roots ence of Reduced Iron (C4)
YDROLO  YDROLO  YDROLO  Yetland Hyd  Trimary Indica  Surface V  High Wat  Saturatio  Water Ma	OGY Irology Indicators (any one Water (A1) ter Table (A2) on (A3) arks (B1)	ators: is sufficient		Int	undation Vis arsely Vege irl Deposits drogen Sulf	sible on Adatated Con (B15) ride Odor	erial Image ncave Surfac	ry (B7)	Secondal  Wat  V Drai  Pres  Salt	ry Indicators (two or more are requir er Stained Leaves (B9) nage Patterns (B10) lized Rhizospheres along Living Roots ence of Reduced Iron (C4) Deposits (C5)
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