## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): ERT, TXC  Landform (hillside, terrace, hummocks etc.): Hillside, Mid-Backslope  Local relief (concave, convex, none): hummocky  Slope: 36.3 % / 20.0 ° Elevation:  Subregion: Cook Inlet Mountains  Lat:  Long:  Datum: WGS8-  Soil Map Unit Name:  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?  (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   Is the Sampled Area  Wetland Hydrology Present?  Yes   No   Wetland Hydrology Present?  Yes   No   Wetland Hydrology Present?  Yes   No   Wetland?  Remarks:  VEGETATION - Use scientific names of plants. List all species in the plot.  Tree Stratum  Absolute   Dominant Species   Status    1. Picea glauca   30   FACU   Total Number of Dominant Species   Accross All Strata:   6   (B)
Investigator(s): ERT, TXC
Local relief (concave, convex, none): hummocky  Slope: 36.3 % / 20.0 ° Elevation:  Subregion: Cook Inlet Mountains  Lat.: Long.: Datum: WGS8-  NWI classification: Upland  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 Wetland Hydrology Present? Yes No Finding Wetland? Yes No Wetland? Yes No Wetland Hydrology Present? Yes No Finding Wetland? Yes No Finding Wetland? Yes No Finding Wetland? Yes No Finding Wetland? Yes No Finding Tindicator Species (Indicator Species Across All Strata: 6 (B)
Subregion: Cook Inlet Mountains  Lat.:  Long.:  Datum: WGS8.  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 Within a Wetland? Yes No Within a Wetland? Yes No Within a Wetland? Yes No Dominant Species in the plot.  PEGETATION - Use scientific names of plants. List all species in the plot.    No Within a Wetland? Yes No Dominant Species Status
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 Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Finding Present? Yes No Wetland?
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  W
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    Wetland Hydrology Present? Yes  No    No   Wetland Hydrology Present? Yes  No    No   Wetland Hydrology Present? Yes  No    No    Wetland? Yes  No    No    No    No    No    Hydrology Present? Yes  No    No
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.    Hydrophytic Vegetation Present?   Yes   No   Is the Sampled Area   Wetland Hydrology Present?   Yes   No   Within a Wetland?   Yes   No
Hydrophytic Vegetation Present? Yes No late No la lat
Hydric Soil Present? Yes No ● Wetland Hydrology Present? Yes No ● Within a Wetland? Yes No ●  Remarks:  VEGETATION - Use scientific names of plants. List all species in the plot.  Tree Stratum 1. Picea glauca 2. Betula neoalaskana  1. Picea glauca 2. Betula neoalaskana  1. Picea glauca 30  ▼ FACU FACU FACU FACU FACU FACU FACU FACU
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Wetland Hydrology Present? Yes No Version No
VEGETATION - Use scientific names of plants. List all species in the plot.    Tree Stratum
Tree StratumAbsolute % Cover 5pecies?Dominant Species?Indicator StatusNumber of Dominant Species That are OBL, FACW, or FAC:3(A)1. Picea glauca30✓FACUTotal Number of Dominant Species That are OBL, FACW, or FAC:3(A)2. Betula neoalaskana20✓FACUTotal Number of Dominant Species Across All Strata:6(B)
Tree StratumAbsolute % Cover 5pecies?Dominant Species?Indicator StatusNumber of Dominant Species That are OBL, FACW, or FAC:3(A)1. Picea glauca30✓FACUTotal Number of Dominant Species That are OBL, FACW, or FAC:3(A)2. Betula neoalaskana20✓FACUTotal Number of Dominant Species Across All Strata:6(B)
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Tree Stratum     Absolute % Cover     Dominant Species     Number of Dominant Species       1. Picea glauca     30     ✓     FACU       2. Betula neoalaskana     20     ✓     FACU    Number of Dominant Species That are OBL, FACW, or FAC:  Total Number of Dominant Species That are OBL, FACW, or FAC: Species Across All Strata:  6 (B)
1. Picea glauca 2. Betula neoalaskana 30 ✓ FACU Total Number of Dominant Species Across All Strata: 6 (B)
2. Betula neoalaskana 20 FACU Total Number of Dominant Species Across All Strata: 6 (B)
3
4
Prevalence Index worksheet:
Service (Should Street up 50% of Total Cover 25 20% of Total Cover 10 2
1. Vaccinam vito-tuded
Z. Vaccinani diginocani
4. Lipecca baselia
5 Oliver de la Constantina del Constantina de la Constantina de la Constantina de la Constantina de la Constantina del Constantina de la C
5. Spiraea stevenii       1       FACU Column Totals: 88.2 (A) 327.7         6. Ribes triste       1       FAC
7. Picea glauca Prevalence Index = B/A = 3.715
8. Sorbus scopulina 0.1 FACU Hydrophytic Vegetation Indicators:
9
10
<b>Total Cover:</b> 30.1 Morphological Adaptations (Provide supporting data
Herb Stratum 50% of Total Cover: 15.05 20% of Total Cover: 6.02 Remarks or on a separate sheet)
1. Cornus canadensis 7 FACU Problematic Hydrophytic Vegetation (Explain)
2. Chamaenerion angustifolium 1 FACU Indicators of hydric soil and wetland hydrology must
3. Calamagrostis canadensis 0.1
4
% Cover of Wetland Bryophytes
C (where applicable)
7
8 Total Cover of Bryophytes 9 0
10 Hydrophytic
Total Cover: 8 1 Vegetation
50% of Total Cover: 4.05 20% of Total Cover: 1.62 Present? Yes No •
Remarks: Hummocks are actually root wads.

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SOIL Sampling Point: SW15\_T324\_03

0-2 2-3.5 3.5-4 4-5 5 5-9 5 9-11.5 10 11.5-14 5 14-17 10 1 Type: C=Concentra  Hydric Soil Indicat: Histosol or Histel Histic Epipedon (A Hydrogen Sulfide Thick Dark Surfac Alaska Gleyed (A Alaska Gleyed (A Alaska Gleyed (A Alaska Gleyed (F) Type: Depth (inches): Remarks: Darent mater = colluvious	tors: (A1) (A2) (A2) (A4) (A2) (A3) (A4) (A4) (A4) (A4) (A4) (A4) (A4) (A4		Indicat Alas Alas Alas 3 One i and an	6/2 3/4 5/3  2 Location  tors for Proska Color Cheka Alpine swiska Redox Weindicator of Inappropriate details of co	95 25 3 : PL=Pore  bblematic I ange (TA4) wales (TA5) //ith 2.5Y Hu hydrophytic e landscape	Hydric Soi 4 le vegetation position m	ils:  , one primust be pre	Alaska Gleyed Without Hi Underlying Layer Other (Explain in Remark nary indicator of wetland h	ydrology,
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Restrictive Layer (if pr Type: Depth (inches): Remarks: Dearent mater = colluvion	resent):	m. no hydric				iii Remarks		Hydric Soil Present	? Yes ○ No ④
Type: Depth (inches): Remarks: Depart mater = colluvi		m. no hydric	soil indicati	ors.Beautifu	ıl Spodosol			Hydric Soil Present	? Yes O No 🖲
Depth (inches): Remarks: Darent mater = colluvi		m. no hydric	soil indicat	ors.Beautifu	ıl Spodosol			Hydric Soil Present	? Yes ○ No
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Wetland Hydrology									
Primary Indicators (a)	/ Indicators:							_Secondary India	cators (two or more are required)
Timary Indicacors (a	any one is sufficie	ent)						Water Staii	ned Leaves (B9)
Surface Water (A	A1)		☐ In	undation Vi	sible on Aer	ial Imagery	y (B7)	☐ Drainage P	Patterns (B10)
High Water Table	le (A2)		☐ Sp	parsely Vege	etated Conc	ave Surface	e (B8)	Oxidized R	hizospheres along Living Roots (C3)
Saturation (A3)			Ma	arl Deposits	(B15)			Presence o	f Reduced Iron (C4)
Water Marks (B1	1)		☐ H <sub>2</sub>	ydrogen Sul	fide Odor (0	C1)		Salt Depos	its (C5)
Sediment Deposi	its (B2)		☐ Di	ry-Season W	later Table	(C2)		Stunted or	Stressed Plants (D1)
☐ Drift Deposits (B	33)		Ot	ther (Explair	n in Remark	s)		Geomorphi	ic Position (D2)
Algal Mat or Crus	st (B4)							Shallow Aq	juitard (D3)
☐ Iron Deposits (B	<b>35</b> )							Microtopog	graphic Relief (D4)
Surface Soil Crac	cks (B6)							FAC-neutra	ıl Test (D5)
Field Observations:	-								
Surface Water Preser	ent? Yes	○ No ●	D	epth (inches	s):				
Water Table Present	t? Yes	○ No ●	D	epth (inches	s):		Wetlar	nd Hydrology Presen	t? Yes O No 💿
Saturation Present? (includes capillary fri	inge) Yes	○ No ●		epth (inches	•				
Describe Recorded Da		je, monitor w	ell, aerial p	ohotos, prev	ious inspect	tion) if avail	ilable:		
Remarks:									
no wetland hydrology	/ indicators								

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