## WETLAND DETERMINATION DATA FORM - Alaska Region

/Owner: Alaska Energy Autor(s): BAB ef (concave, convex, none):	uthority				Sampling Point:	SW15_T323_03			
tor(s): BAB	·								
ef (concave, convex, none):						Landform (hillside, terrace, hummocks etc.): Toeslope			
	concave		Slope:	0.0 % / 0.	0 ° Elevation:				
n: Cook Inlet Mountains		Lat.:			 Long.:	Datum: WGS84			
Unit Name:					NWI classification: PEM				
-				Yes   No	<del></del>	1H			
tic/hydrologic conditions on t letation , Soil letation , Soil	, or Hydrology , or Hydrology	significar	ntly disturbe	d? Are "l	Normal Circumstances" present?	es   No  s.)			
ARY OF FINDINGS - At	ttach site map	showing sa	ampling po	oint location	s, transects, important features	s, etc.			
vdronhytic Vegetation Preser	nt? Yes •	No O			-				
, , , , , , , , , , , , , , , , , , ,				Is the Sampled Area					
			within a Wetland? Yes ● No ○						
s. Some standing dead picgia	d								
ATION - Use scientific	names of plan	to List all s	ancinc in t	the plat					
-EGETATION -Use scientific names of plants. List all species in the plot.					Deminance Test weaksheet:				
					'				
Stratum		-	er Specie	s? Status	That are OBL, FACW, or FAC:	3 (A)			
					Total Number of Dominant				
			-		Species Across All Strata:	4 (B)			
			-		Percent of dominant Species	== 00/ /A/E)			
			-		That Are OBL, FACW, or FAC:	75.0% (A/B)			
					Prevalence Index worksheet:				
			_		Total % Cover of: Multip	ly by:			
g/Shrub Stratum	50% of Total Cover	: 0 20	% of Total C	over: 0	OBL Species 33 x 1	= 33			
icea glauca		5	<b>✓</b>	FACU	FACW Species 3 x 2	= 6			
etula glandulosa			<b>✓</b>	FAC	FAC Species 25 x 3	= <u>75</u>			
asiphora fruticosa				FAC	FACU Species 7 x 4	= <u>28</u>			
atula manalasina		2		FACU	UPL Species 0 x 5	= 0			
alix pulchra		2		FACW	Column Totals: 68 (A)	142 (B			
Inus viridis		2		FAC					
		0		]	Prevalence Index = B/A =	2.088			
		0		]	Hydrophytic Vegetation Indicators:				
		0		]	✓ Dominance Test is > 50%				
		0		]	✓ Prevalence Index is ≤3.0				
		Cover:	_			de supporting data in			
Stratum	50% of Total Cove	r: <u>9.5</u> 2	0% of Total C	Cover: 3.8	Remarks or on a separate sheet)				
Calamagrostis canadensis		15	_	FAC	Problematic Hydrophytic Vegetation	n (Exp <mark>l</mark> ain)			
Carex aquatilis		25	_	OBL	<sup>1</sup> Indicators of hydric soil and wetland hy	drology must			
quisetum fluviatile		3		OBL	be present, unless disturbed or problem	atic.			
riophorum angustifolium		5		OBL	Plot size (radius or length y width)	10m			
anguisorba canadensis		1		FACW		_10m			
		0			(Where applicable)				
		0	_		% Bare Ground				
		0			Total Cover of Bryophytes				
		0				<del></del>			
		_	_		Hydrophytic				
Total Cover: 49					Vegetation	`			
50% of Total Cover: <u>24.5</u> 20% of Total Cover: <u>9.8</u>					Present? Yes • No	J			
	etation  , Soil   , Soi	etation	etation   , Soil   , or Hydrology   significar etation   , Soil   , or Hydrology   naturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - Attach site map showing saturally   NRY OF FINDINGS - NRY OF	etation   , Soil   , or Hydrology   significantly disturbe etation   , Soil   , or Hydrology   naturally problematic NRY OF FINDINGS - Attach site map showing sampling prodrophytic Vegetation Present?   Yes   No   yedric Soil Present?   Yes   No   yetland Hydrology Present?   Yes   No	etation	etation			

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SOIL Sampling Point: SW15\_T323\_03 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) **Redox Features** Depth <u>Loc</u> 2 (inches) Color (moist) Color (moist) Type <sup>1</sup> <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix <sup>2</sup> Location: PL=Pore Lining, RC=Root Channel, M=Matrix Indicators for Problematic Hydric Soils: **Hydric Soil Indicators:** Histosol or Histel (A1) Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Alaska Alpine swales (TA5) Histic Epipedon (A2) Alaska Redox With 2.5Y Hue ✓ Other (Explain in Remarks) Hydrogen Sulfide (A4) Thick Dark Surface (A12) <sup>3</sup> One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, Alaska Gleved (A13) and an appropriate landscape position must be present Alaska Redox (A14) <sup>4</sup> Give details of color change in Remarks Alaska Gleyed Pores (A15) Restrictive Layer (if present): Yes ● No ○ Type: **Hydric Soil Present?** Depth (inches): Remarks: No pit due to innundation **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (two or more are required) Primary Indicators (any one is sufficient) Water Stained Leaves (B9) ✓ Surface Water (A1) Drainage Patterns (B10) ✓ Inundation Visible on Aerial Imagery (B7) High Water Table (A2) Oxidized Rhizospheres along Living Roots (C3) Sparsely Vegetated Concave Surface (B8) Saturation (A3) Presence of Reduced Iron (C4) Marl Deposits (B15) Water Marks (B1) Salt Deposits (C5) ☐ Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Algal Mat or Crust (B4) Shallow Aquitard (D3) Iron Deposits (B5) Microtopographic Relief (D4) Surface Soil Cracks (B6) FAC-neutral Test (D5) Field Observations: Yes ● No ○ Surface Water Present? Depth (inches): 36 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches): Saturation Present? Yes ○ No ● Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:

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