WETLAND DETERMINATION DATA FORM - Alaska Region

	Sampling Point: SW15_T325_03 hillside, terrace, hummocks etc.): Bench 7.6 % / 10.0 ° Elevation:								
nvestigator(s): JGK Landform (Local relief (concave, convex, none): hummocky Slope: 1 Subregion: Cook Inlet Mountains Lat.:	hillside, terrace, hummocks etc.): Bench								
cocal relief (concave, convex, none): hummocky Slope: 1 Subregion: Cook Inlet Mountains Lat.:	,								
Subregion : Cook Inlet Mountains Lat.:	7.0 707 - 1010 - 2.074.0111								
oil Map Unit Name:	Long.: Datum: WGS84								
	NWI classification: PFO4B								
Are Vegetation , Soil , or Hydrology significantly disturbed Are Vegetation , Soil , or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)								
,	Is the Sampled Area								
Hydric Soil Fresent?									
Wetland Hydrology Present? Yes No ○	within a Wetland? Yes ● No ○								
Remarks:									
/EGETATION - Use scientific names of plants. List all species in the Country of t	t Indicator Dominance Test worksheet:								
1. Picea mariana 40	FACW That are OBL, FACW, or FAC: 5 (A)								
2	Total Number of Dominant								
3	Species Across All Strata:5(B)								
3. 4.	Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)								
	(AB)								
	— Prevalence Index worksheet:								
Total Cover: 40	Total % Cover of: Multiply by:								
Sapling/Shrub Stratum 50% of Total Cover: 20 20% of Total Cov	OBL Species x 1 =								
1. Vaccinium uliginosum 12 ✓	FAC FACW Species 51 x 2 = 102								
2. Dasiphora fruticosa 10 ✓	FAC FAC Species 95.1 x 3 = 285.3								
3. Empetrum nigrum 10	FACU Species 1 x 4 = 4								
4. Vaccinium vitis-idaea 5	FAC UPL Species 0 x 5 = 0								
5. Salix reticulata 5	FAC Column Totals: _147.1 (A) _391.3 (B)								
6. Picea mariana 5	FACW								
7. Betula glandulosa 2	FAC Prevalence Index = B/A = 2.660								
8. Rhododendron groenlandicum 1	FAC Hydrophytic Vegetation Indicators:								
9. Salix barclayi 1	FAC Dominance Test is > 50%								
100	FAC Prevalence Index is ≤3.0								
Total Cover: 51									
1. Equisetum arvense 45	FAC Problematic Hydrophytic Vegetation (Explain)								
2. Rumex arcticus 2	FAC ¹ Indicators of hydric soil and wetland hydrology must								
3. Parnassia palustris 2	FACW be present, unless disturbed or problematic.								
4. Petasites frigidus 2	FACW Diet size (vadius or length y width)								
5. Calamagrostis canadensis 1	Plot size (radius, or length x width) 10m								
6. Carex bigelowii 1	FAC (Where applicable) % Cover of Wetland Bryophytes 25								
7. Sanguisorba officinalis 1	FACW % Bare Ground 10								
8. Mertensia paniculata 1	FACU Total Cover of Bryophytes 90								
9. Rubus chamaemorus 1	FACW								
10. Cornus suecica 0.1	FAC Hydrophytic								
Total Cover: 56.1	Vegetation								
50% of Total Cover: <u>28.05</u> 20% of Total Cov	ver: 11.22 Present? Yes • No •								

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SOIL Sampling Point: SW15_T325_03

	Profile Description: (Describe to the depth needed to doc Matrix					firm the abs		cators)							
(inches) Color (moist)		st)	% Color (moist)		% Type ¹ Loc_ ²		_Loc_2	Texture	Remarks						
0-4				•					Peat						
4-12									Mucky Peat						
12-18									Muck						
18-20		4/2	90	10YR	5/6	10		PL	Loam	subangular cobbles					
10-20		-1/2		IUIK					Lodin	subaligulal cobbles					
									-						
									-						
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix															
Hydric Soil In	Hydric Soil Indicators: Indicators for Problematic Hydric Soils: ³														
✓ Histosol or	Histel (A1)			Alas	ka Color Ch	ange (TA4	4 1)		Alaska Gleyed Without H	ue 5Y or Redder					
Histic Epip	. ,			Alas	ka Alpine sv	vales (TA5	5)		Underlying Layer						
Hydrogen	Sulfide (A4)			Alas	ka Redox W	ith 2.5Y H	lue		Other (Explain in Remark	ss)					
☐ Thick Dark	Surface (A12)			• • •											
Alaska Gle	yed (A13)				ndicator of I appropriate				mary indicator of wetland hesent	ydrology,					
✓ Alaska Red	lox (A14)						-	•							
Alaska Gle	yed Pores (A15)		* Give (details of co	ior cnange	e in Kemari	KS							
Restrictive Laye	er (if present):														
Type:									Hydric Soil Present	? Yes • No O					
Depth (inch	ies):														
HYDROLO	GY														
Wetland Hydr	ology Indica	tors:							Secondary Indi	cators (two or more are required)					
Primary Indicat	tors (any one is	sufficient)							Water Stained Leaves (B9)						
Surface W	ater (A1)			☐ Inundation Visible on Aerial Imagery (B7)				ry (B7)	Drainage Patterns (B10)						
✓ High Wate		Sparsely Vegetated Concave Surface (B8)					Oxidized Rhizospheres along Living Roots (C3)								
✓ Saturation (A3)				☐ Marl Deposits (B15) ☐ Hydrogen Sulfide Odor (C1)					Presence of Reduced Iron (C4)						
Water Mai									Salt Depos						
_	Deposits (B2)			_	y-Season W					Stressed Plants (D1) ic Position (D2)					
☐ Drift Depo	or Crust (B4)			□ Ot	ther (Explain	ı ın Remar	rks)			juitard (D3)					
Iron Depo										graphic Relief (D4)					
I — .	oil Cracks (B6)								✓ FAC-neutra						
Field Observa									The near	1050 (03)					
Surface Water		Yes \bigcirc	No	De	epth (inches	s):									
Water Table P	resent?	Yes	No O		·	•		Wetla	nd Hydrology Presen	t? Yes • No O					
Saturation Pre						•			ctiana riyarology i resent.						
(includes capil		Yes •	No O	De	epth (inches	s): 0									
Describe Record	Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:														
Remarks:															

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