WETLAND DETERMINATION DATA FORM - Alaska Region

•	Sampling Point: SW12_T06_04
Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks et	
Local relief (concave, convex, none): hummocky Slope: % / 2.3 ° Elevation:	479
Subregion: Interior Alaska Mountains Lat.: 62.8278781612 Long.: -148.6	Datum: NAD83
	classification: Upland
	plain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumsta	
	y answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, in	mportant features, etc.
Hydrophytic Vegetation Present? Yes No No In the Sampled Area	
Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No No	
Wetland Hydrology Present? Yes ○ No ● within a Wetland?	
Remarks: open picmar along small rise. steep hillside to the SW, small drop to wetter community to the NE. var	ried thrush calling, ptarmigan sign.
VEGETATION - Use scientific names of plants. List all species in the plot.	
Absolute Dominant Indicator Dominance Te	est worksheet:
Tree Stratum	
1. Picea mariana 15 FACW Total Number of	
2 0	
3 Percent of domi	
4 O That Are OBL, F	FACW, or FAC: 100.0% (A/B)
T.1.10.	dex worksheet:
Total Cover:15 Total % Cover of: Multiply by:	
Sapling/Shrub Stratum 50% of Total Cover: 7.5 20% of Total Cover: 3 OBL Spec	
1. Vaccinium vitis-idaea 50 FAC FACW Sp	
2. Vaccinium uliginosum 25 FAC Spec	
3. Rhododendron tomentosum 5 FACU Specific Spec	
5.00	
2 Face at the second se	otals: 103 (A) 290 (B)
	ce Index = B/A =
	egetation Indicators:
9	_
10	
	ical Adaptations ¹ (Provide supporting data in
	r on a separate sheet)
1. Geocaulon lividum 1 FACU Problematic	c Hydrophytic Vegetation ¹ (Explain)
2 ⁰ ¹ Indicators of hy	ydric soil and wetland hydrology must
3 be present, unle	ess disturbed or problematic.
4 0	s, or length x width)
	tland Bryophytes
0 (where applicate	,
7 % bale Ground	
o Total cover of B	Bryophytes <u>90</u>
9	
Total Cover: 1 Vegetation	
Total Cover: 1 Vegetation 50% of Total Cover: 0.5 20% of Total Cover: 0.2 Present?	Yes No

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW12_T06_04

Histic Epipedon (A2)	
2-5	Remarks
5-7 10 YR 4/2 60 Sandy Loam 7-10 5YR 3/3 100 Sandy Loam 10-16 10 YR 4/6 90 Sandy Loam 1-Type: C=Concentration. D=Depletion. RM=Reduced Matrix 2-Location: PL=Pore Lining. RC=Root Channel. M=Matrix Hydric Soil Indicators: Indicators: Indicators for Problematic Hydric Soils. Histosol or Histel (A1) Alaska Color Change (TA4) Alaska Cleyed Welfack (A1) Alaska Redox With 2.5 Yhue Other (Explain in Alaska Gleyed Na2) Alaska Redox With 2.5 Yhue Other (Explain in Alaska Gleyed Na2) Alaska Gleyed Na2) Alaska Redox With 2.5 Yhue Other (Explain in Alaska Gleyed Pores (A13) Alaska Gleyed Pores (A15) Alaska Redox Mith 2.5 Yhue Other (Explain in Remarks Hydric Soil Phydrophytic vegetation, one primary indicator of valued properties and an appropriate landscape position must be present Hydric Soil Phydrophytic vegetation, one primary indicator of valued properties and an appropriate landscape position must be present Hydric Soil Phydrophytic vegetation, one primary indicator of valued properties landscape position must be present Hydric Soil Phydrophytic vegetation, one primary indicator of valued properties landscape position must be present Hydric Soil Phydrophytic vegetation, one primary indicator of valued properties landscape position must be present Hydric Soil Phydrophytic vegetation, one primary indicator of valued properties landscape position must be present indicator of valued primary indicator of valued primary indicator of valued primary ind	
Type: C=Concentration. D=Depletion. RM=Reduced Matrix Indicators for Problematic Hydric Soils Hydric Soil Indicators: Histosol or Histel (A1)	charcoal at 5inches
10-16 10 YR 4/6 90 Sandy Loam 10-16 10 YR 4/6 90 Sandy Loam 1-Type: C-Concentration. D=Depletion. RM=Reduced Matrix 2-Location: PL=Pore Lining. RC=Root Channel. M=Matrix Hydric Soil Indicators: Indicators for Problematic Hydric Soils.3 Alaska Glore (TAd) Alaska Color Change (TAd) Alaska Glored Winderlying Laye Underlying Laye Underlying Laye Underlying Laye Underlying Laye Orber (Explain in Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) Alaska Color Change in Remarks Remarks: Hydrice Soils Indicators (Present): Type: Popth (Inches): Alaska Alpine swales (TA5) Alaska Color Change in Remarks (B1) Alaska Clora (Present Popentic Materials (Present Present Pr	40% charcoal and heavy staining (2.5/10Y)
10-16 10 YR 4/6 90 Sandy Loam 10-16 10 YR 4/6 90 Sandy Loam 1-Type: C-Concentration. D=Depletion. RM=Reduced Matrix 2-Location: PL=Pore Lining. RC=Root Channel. M=Matrix Hydric Soil Indicators: Indicators for Problematic Hydric Soils.3 Alaska Glore (TAd) Alaska Color Change (TAd) Alaska Glored Winderlying Laye Underlying Laye Underlying Laye Underlying Laye Underlying Laye Orber (Explain in Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) Alaska Color Change in Remarks Remarks: Hydrice Soils Indicators (Present): Type: Popth (Inches): Alaska Alpine swales (TA5) Alaska Color Change in Remarks (B1) Alaska Clora (Present Popentic Materials (Present Present Pr	few charcoal
1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix 2 Location: PL=Pore Lining, RC=Root Channel, M=Matrix Hydric Soil Indicators: Indicators for Problematic Hydric Soils? Histosol or Histe (A1)	10% 2.5Y5/2 in patches and few charcoal
Hydric Soil Indicators: Histosol or Histel (A1)	10 % 2.513/2 iii patches and lew charcoal
Hydric Soil Indicators: Histosol or Histel (A1)	
Hydric Soil Indicators: Histosol or Histel (A1)	
Histic Epipedon (A2) Histic Epipedon (A2) Histic Epipedon (A2) Hydrogen Sulfide (A4) Alaska Color Change (TA4) Histic Epipedon (A2) Hydrogen Sulfide (A4) Alaska Redox With 2.5Y Hue Other (Explain in Alaska Gleyed (A13) Alaska Gleyed (A14) Alaska Gleyed (A15) Alaska Gleyed (A15) Alaska Gleyed (A15) Alaska Gleyed (A16) Alaska Gleyed (A17) Alaska Gleyed (A18) Alaska Gleyed (A19) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) Alaska Gleyed (A19) Alaska Gleyed (A19) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) Alaska Gleyed (A19) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) Alaska Gleyed (A19) Alaska Gleyed (A19) Alaska Gleyed (A19) Alaska Gleyed (A19) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) Alaska Gleyed (A19) Alaska Gleyed (A19) Alaska Gleyed (A19) Alaska Gleyed (A19) Alaska Redox (Alasea) Alaska Redox (Alasea) Alaska Red	
Histic Epipedon (A2)	
Histic Epipedon (A2)	Vithout Hue 5Y or Redder
Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Depth (inches): Remarks: area has burned in the past - charcoal in profile and highly oxidized upper mineral soils. refusal at 16in (cobbles). HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Saturation (A3) Marl Deposits (B2) Drift Deposits (B3) Alagl Mat or Crust (B4) I ron Deposits (B5) Surface Soil Cracks (B6) Field Observations: Surface Water Present? Ves No ● Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks: 3 One indicator of hydrophytic vegetation, one primary indicator of vand an appropriate landscape position must be present 4 Give details of color change in Remarks Hydric Soil F Hydri	er
Alaska Gleyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Depth (inches): Remarks: area has burned in the past - charcoal in profile and highly oxidized upper mineral soils. refusal at 16in (cobbles). Hydric Soil P Wetland Hydrology Indicators: Secon: Surface Water (A1) High Water Table (A2) Saturation (A3) Alast (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B3) Alagl Mat or Crust (B4) Iron Deposits (B3) Surface Water (B3) Alagl Mat or Crust (B4) Iron Deposits (B5) Surface Water (Pasent? Yes No ● Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks: **Give details of color change in Remarks* **Hydric Soil P **Give details of color change in Remarks* #Hydric Soil P #### Hydric Soil P ###################################	n Remarks)
Alaska Gleyed (A13) Alaska Gleyed (A14) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil F Begy (A15) Hydric Soil F Hydric	
Alaska Redox (A14) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil P Depth (inches): Hydric Soil P I hydric Soil P I hydric Soil P I hydric Soil P I hydrology Indicators: Second I hydrology Indicators: I nundation Visible on Aerial Imagery (B7) D D Saturation (A3) Marl Deposits (B15) P Hydrogen Sulfide Odor (C1) Sicultific Sediment Deposits (B2) D Dry-Season Water Table (C2) D Drift Deposits (B3) D Other (Explain in Remarks) G G Hydrogen Sulfide Odor (C1) Sicultific Sediment Deposits (B5) D Depth (inches): Wetland Hydrology Saturation Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	wetland hydrology,
Restrictive Layer (if present): Type: Depth (inches): Remarks: area has burned in the past - charcoal in profile and highly oxidized upper mineral soils. refusal at 16in (cobbles). HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one is sufficient) High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Saturation (A3) Marl Deposits (B15) Marl Deposits (B15) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Field Observations: Surface Water Present? Water Table Present? Water Table Present? Water Table Present? Water Present? Water Table Present? Wet No Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	
Type: Depth (inches): Remarks: area has burned in the past - charcoal in profile and highly oxidized upper mineral soils. refusal at 16in (cobbles). HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one is sufficient) Surface Water (A1) Inundation Visible on Aerial Imagery (B7) D High Water Table (A2) Sparsely Vegetated Concave Surface (B8) O Saturation (A3) Marl Deposits (B15) Primary Sediment Deposits (B2) Dry-Season Water Table (C2) Stimulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) Primary Indicators (B2) Dry-Season Water Table (C2) Stimulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aerial Imagery (B7) D Water Marks (B1) Hydrogen Sulfide Odor (C1) Simulation Visible on Aer	
Remarks: area has burned in the past - charcoal in profile and highly oxidized upper mineral soils. refusal at 16in (cobbles). HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Field Observations: Surface Water Present? Water Table Present? Water Table Present? Yes No ● Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Wetland Hydrology Sulfide Upper mineral soils. refusal at 16in (cobbles). Secondary Wetland Imagery (B7) D D D D D D D D D D D D D D D D D D D	
Remarks: area has burned in the past - charcoal in profile and highly oxidized upper mineral soils. refusal at 16in (cobbles). HYDROLOGY Wetland Hydrology Indicators:	Present? Yes O No 💿
### A surred in the past - charcoal in profile and highly oxidized upper mineral soils. refusal at 16in (cobbles). ###################################	
Wetland Hydrology Indicators: Secondary Primary Indicators (any one is sufficient) Wetland Hydrology Indicators (any one is sufficient) Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) D Water Marker (A1) Inundation Visible on Aerial Imagery (B7) D High Water Table (A2) Sparsely Vegetated Concave Surface (B8) O Saturation (A3) Marl Deposits (B15) Primary Indicators (B8) Primary Indicators (B8) O Saturation Peposits (B1) Hydrogen Sulfide Odor (C1) Staturation Remarks) Staturation Remarks) Staturation Remarks) G Algal Mat or Crust (B4) Other (Explain in Remarks) Staturation Presents (B5) M Surface Soil Cracks (B6) V FA Field Observations: Staturation Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	
Primary Indicators (any one is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Marl Deposits (B15) Water Marks (B1) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Inundation Visible on Aerial Imagery (B7) D WW Aerial Imagery (B7) D WW Aerial Imagery (B7) D D D D D D D D D D D D D D D D D D D	
Surface Water (A1)	dary Indicators (two or more are required)
High Water Table (A2) Saturation (A3) Marl Deposits (B15) Privater Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Privater Table (C2) Signary Saturation Remarks) Other (Explain in Remarks) Depth (inches): Wetland Hydrology Depth (inches): Wetland Hydrology	Vater Stained Leaves (B9)
Saturation (A3)	rainage Patterns (B10)
Water Marks (B1)	exidized Rhizospheres along Living Roots (C3) resence of Reduced Iron (C4)
□ Sediment Deposits (B2) □ Dry-Season Water Table (C2) □ St □ Drift Deposits (B3) □ Other (Explain in Remarks) □ G □ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ M □ Surface Soil Cracks (B6) □ Present? Yes □ No ● Depth (inches): Water Table Present? Yes □ No ● Depth (inches): Water Table Present? Yes □ No ● Depth (inches): Saturation Present? Yes □ No ● Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	alt Deposits (C5)
□ Drift Deposits (B3) □ Other (Explain in Remarks) □ G □ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ M □ Surface Soil Cracks (B6) □ Pepth (inches): Surface Water Present? Yes □ No ● Depth (inches): Water Table Present? Yes □ No ● Depth (inches): Saturation Present? Yes □ No ● Depth (inches): Saturation Present? Yes □ No ● Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	tunted or Stressed Plants (D1)
Algal Mat or Crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	eomorphic Position (D2)
Surface Soil Cracks (B6) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	hallow Aquitard (D3)
Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	licrotopographic Relief (D4)
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Remarks:	AC-neutral Test (D5)
Water Table Present? Yes No Depth (inches): Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	
Saturation Present? (includes capillary fringe) Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	
(includes capillary fringe) Tes No Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Present? Yes ○ No •
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	
animal burrows in hummocks at base of picea trees. no wetland hydrology indicators.	

U.S. Army Corps of Engineers Alaska Version 2.0