



**SOIL**

Sampling Point: **SW12\_T05\_02**

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth (inches)	Matrix		Redox Features				Texture	Remarks		
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>				
0-11							Fibric Organics			
11-12							Hemic Organics			
12-15							Sapric Organics			
15-17	10YR	2/2	90	10YR	3/2	10	C	PL	Silt Loam	Organic concentration, ~20% roots

<sup>1</sup>Type: C=Concentration. D=Depletion. RM=Reduced Matrix    <sup>2</sup> Location: PL=Pore Lining. RC=Root Channel. M=Matrix

**Hydric Soil Indicators:**

Histosol or Histel (A1)  
 Histic Epipedon (A2)  
 Hydrogen Sulfide (A4)  
 Thick Dark Surface (A12)  
 Alaska Gleyed (A13)  
 Alaska Redox (A14)  
 Alaska Gleyed Pores (A15)

**Indicators for Problematic Hydric Soils:<sup>3</sup>**

Alaska Color Change (TA4)<sup>4</sup>  
 Alaska Alpine swales (TA5)  
 Alaska Redox With 2.5Y Hue

Alaska Gleyed Without Hue 5Y or Redder Underlying Layer  
 Other (Explain in Remarks)

<sup>3</sup> One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present  
<sup>4</sup> Give details of color change in Remarks

Restrictive Layer (if present):  
 Type: active layer (frozen)  
 Depth (inches): 17

**Hydric Soil Present?**    Yes     No

Remarks:  
 Sphagnum mat extensive between hummocks

**HYDROLOGY**

**Wetland Hydrology Indicators:**

Primary Indicators (any one is sufficient)

Surface Water (A1)                       Inundation Visible on Aerial Imagery (B7)  
 High Water Table (A2)                     Sparsely Vegetated Concave Surface (B8)  
 Saturation (A3)                               Marl Deposits (B15)  
 Water Marks (B1)                             Hydrogen Sulfide Odor (C1)  
 Sediment Deposits (B2)                     Dry-Season Water Table (C2)  
 Drift Deposits (B3)                          Other (Explain in Remarks)  
 Algal Mat or Crust (B4)  
 Iron Deposits (B5)  
 Surface Soil Cracks (B6)

Secondary Indicators (two or more are required)

Water Stained Leaves (B9)  
 Drainage Patterns (B10)  
 Oxidized Rhizospheres along Living Roots (C3)  
 Presence of Reduced Iron (C4)  
 Salt Deposits (C5)  
 Stunted or Stressed Plants (D1)  
 Geomorphic Position (D2)  
 Shallow Aquitard (D3)  
 Microtopographic Relief (D4)  
 FAC-neutral Test (D5)

**Field Observations:**

Surface Water Present?    Yes     No                       Depth (inches):  
 Water Table Present?    Yes     No                       Depth (inches):  
 Saturation Present?    Yes     No                       Depth (inches): 1

**Wetland Hydrology Present?**    Yes     No

Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:

Remarks:  
 On the fence of saturation. Did not apply A3 as no associated water table or shallow aquitard w/in 12in.