## WETLAND DETERMINATION DATA FORM - Alaska Region

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13\_T177\_06

	,, i ,	Matrix		ent the indicator or cor	lox Features	ndicators)		
3-S 10/W 5/3 70 7.5YW 2.5/3 30 Sondy Loam martierd with angular to submounded grave 5-17 2.5Y 3/3 100 Loamy Send with angular to submounded gravel and color of the submounded gravel and colo		lor (moist)	%	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
S-17 2.5Y 3/3 100 Lowny Sand with angular to subrounded gravel and cool    **Type: C=Concentration. D=Depletion. RM=Reduced Matrix**	0-3						Fibric Organics	-
Type: C=Concentration, D=Depletion. RM=Reduced Metrix      Location: PL=Pvre Lining. RC=Root Channel. M=Matrix	3-5 10	YR 5/3	70	7.5YR 2.5/3	30		Sandy Loam	marbled with angular to subrounded gravel
Hydric Soil Indicators:    Histosol or Histel (A1)	5-17 2.5	5Y 3/3	100				Loamy Sand	with angular to subrounded gravel and cobb
Hydric Soil Indicators:    Histosol or Histe (A1)								
Hydric Soil Indicators:    Histosol or Histel (A1)								
Hydric Soil Indicators:    Histosol or Histel (A1)								
Hydric Soil Indicators:    Histosol or Histel (A1)					-			
Hydric Soil Indicators:    Histosol or Histel (A1)								
Histosol or Histel (A1)	¹Type: C=Concentrat	ion. D=Depletio	n. RM=Reduce	d Matrix <sup>2</sup> Location	: PL=Pore Lining.	RC=Root Cha	annel. M=Matrix	
Histic Epipedon (A2)	Hydric Soil Indicate	ors:		Indicators for Pro	oblematic Hydric	Soils:		
Hydrogen Sulfide (A9)	Histosol or Histel	(A1)		Alaska Color Ch	ange (TA4)			ue 5Y or Redder
Thick Dark Surface (A12)	Histic Epipedon (A	12)		Alaska Alpine s	wales (TA5)		, , ,	
Alaska Gieyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15) Alaska Redox (A16) Alaska Redox (A16) Alaska Redox (A16) Alaska Redox (A16) Alaska Redox (A17) Alaska Redox (A18) Alaska Redo	Hydrogen Sulfide	(A4)		☐ Alaska Redox V	Vith 2.5Y Hue		Other (Explain in Remarl	(S)
Alaska Geloved (A15) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A14) Alaska Gleyed Pores (A15)  Restrictive Layer (if present): Type: Depth (inches):  Remarks: no hydric soil indicators observed  Hydric Soil Present? Yes No ● Depth (inches):  Wetland Hydrology Indicators: Primar Indicators (any one is sufficient)		` ,		3 One indicator of	hydronhytic vegeta	ation one nrir	many indicator of wetland h	vydrology
Alaska Gleyed Pores (A15)  Restrictive Layer (if present): Type: Depth (inches):  Remarks: no hydric soil indicators observed  Hydric Soil Present? Yes No ●  Primary Indicators (any one is sufficient) Hydrology Indicators: Surface Water (A1) High Water Table (A2) Sparsely Vegetated Concave Surface (88) Hydrogen Sulfide Odor (C1) Hydrogen Sulfide Odor (C1) Hydrogen Sulfide Odor (C1) Drift Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Dry-Season Water Table (C2) Surface Soil Cracks (B6) Field Observations: Surface Water Present? Yes No ● Depth (inches): Wetland Hydrology Present? Yes No ● Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:		-						ydiology,
Restrictive Layer (if present?	_ `	•		4 Give details of co	olor change in Rem	arks		
Type: Depth (inches):  Remarks: no hydric soil indicators observed    Hydric Soil Present? Yes								
PAPEN (inches):  Remarks: no hydric soll indicators observed  **POROLOGY  **Wettand Hydrology Indicators:		esent):					Undia Call Barrer	2 V O N- Q
### Remarks:  no hydric soil indicators observed  #### Wetland Hydrology Indicators:    Wetland Hydrology Indicators:	* *						Hydric Soil Present	? Yes ○ No ⑤
HYDROLOGY  Wetland Hydrology Indicators:								
Wetland Hydrology Indicators:    Primary Indicators (any one is sufficient)								
Primary Indicators (any one is sufficient)  Surface Water (A1)  Inundation Visible on Aerial Imagery (B7)  Drainage Patterns (B10)  Sparsely Vegetated Concave Surface (B8)  Saturation (A3)  Marl Deposits (B15)  Presence of Reduced Iron (C4)  Sati Deposits (C5)  Sediment Deposits (B2)  Dry-Season Water Table (C2)  Stunted or Stressed Plants (D1)  Drift Deposits (B3)  Other (Explain in Remarks)  Geomorphic Position (D2)  Surface Soil Cracks (B6)  Field Observations:  Surface Water 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:  Water Stained Leaves (B9)  Dry-Season (B7)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Stunted or Stressed Plants (D1)  Dry-Season Water Table (C2)  Stunted or Stressed Plants (D1)  Dry-Season Water Table (C2)  Stunted or Stressed Plants (D1)  Dry-Season Water Table (C2)  Stunted or Stressed Plants (D1)  Dry-Season Water Table (C2)  Stunted or Stressed Plants (D1)  Dry-Season Water Table (C2)  Stunted or Stressed Plants (D1)  Dry-Seaso								
Surface Water (A1)	HYDROLOGY							
High Water Table (A2)	Wetland Hydrology							
Saturation (A3)	Wetland Hydrology Primary Indicators (an	y one is sufficie	nt)				Water Stai	ned Leaves (B9)
Water Marks (B1)	Wetland Hydrology Primary Indicators (an Surface Water (A	y one is sufficie	nt)			- , , ,	Water Stai	ned Leaves (B9) Patterns (B10)
Sediment Deposits (B2) □ Dry-Season Water Table (C2) □ Stunted or Stressed Plants (D1) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ Surface Soil Cracks (B6) □ FAC-neutral Test (D5)  Field Observations: Surface Water Present? Yes ○ No ② Depth (inches): Water Table Present? Yes ○ No ③ Depth (inches): Saturation Present? Yes ○ No ④ Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table	y one is sufficie	nt)	Sparsely Vege	etated Concave Su	- , , ,	Water Stai Drainage F Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3)
□ 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: Surface Water Present? Yes ○ No ○ Depth (inches): Water Table Present? Yes ○ No ○ Depth (inches): Saturation Present? Yes ○ No ○ Depth (inches): Observation Present? Yes ○ No ○ Depth (inches): Saturation Present? Yes ○ No ○ Depth (inches):  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3)	y one is sufficier 1) (A2)	nt)	Sparsely Vege	etated Concave Su (B15)	- , , ,	Water Stai Drainage F Oxidized R Presence o	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4)
Algal Mat or Crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ FAC-neutral Test (D5)  Field Observations: Surface Water Present? 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:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1)	y one is sufficie 1) (A2)	nt)	Sparsely Vege Marl Deposits Hydrogen Sul	etated Concave Su s (B15) lfide Odor (C1)	- , , ,	Water Stai Drainage F Oxidized R Presence c Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5)
Surface Soil Cracks (B6)  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):  Cincludes capillary fringe)  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit	y one is sufficient 1) (A2) (A2) (B2)	nt)	Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	etated Concave Su s (B15) fide Odor (C1) Vater Table (C2)	- , , ,	Water Stail Drainage F Oxidized R Presence c Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5) Stressed Plants (D1)
Field Observations: 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):  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:	Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3)	y one is sufficient 1) (A2) (A2) (A2) (A2) (A2)	nt)	Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	etated Concave Su s (B15) fide Odor (C1) Vater Table (C2)	- , , ,	Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or	hed Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hic Position (D2)
Surface Water Present? Yes No Depth (inches): 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:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus	y one is sufficient 1) (A2) s (B2) b) t (B4)	nt)	Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	etated Concave Su s (B15) fide Odor (C1) Vater Table (C2)	- , , ,	Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or Geomorph Shallow Ao	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5) Stressed Plants (D1) ic Position (D2) quitard (D3)
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:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5	y one is sufficiently (A2) (A2) (S (B2) (S (B4) ()	nt)	Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	etated Concave Su s (B15) fide Odor (C1) Vater Table (C2)	- , , ,	Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5) Stressed Plants (D1) ic Position (D2) juitard (D3) graphic Relief (D4)
Saturation Present? (includes capillary fringe)  Depth (inches):  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crack	y one is sufficient 1) (A2) (B2) (B4) (B4) (S (B6)		Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	etated Concave Su s (B15) fide Odor (C1) Vater Table (C2)	- , , ,	Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5) Stressed Plants (D1) ic Position (D2) juitard (D3) graphic Relief (D4)
(includes capillary fringe)  Tes No Depth (inches):  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crack	y one is sufficient  (A2)  (SS (B2)  (B4)  (SS (B6)  TYES  (TYPE)  (TY	) No <b>⊙</b>	Sparsely Vego Marl Deposits Hydrogen Sul Dry-Season V Other (Explai	etated Concave Su (B15) (fide Odor (C1) Vater Table (C2) n in Remarks)	- , , ,	Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5) Stressed Plants (D1) ic Position (D2) juitard (D3) graphic Relief (D4)
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crack Field Observations: Surface Water Presen	y one is sufficient  (A2)  (SS (B2)  (B4)  (SS (B6)  TYES  (TYPE)  (TY	) No <b>⊙</b>	Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V Other (Explai	etated Concave Sur (B15) (fide Odor (C1) Vater Table (C2) n in Remarks)	rface (B8)	Water Stail Drainage F Oxidized R Presence of Salt Depose Stunted or Geomorph Shallow Ac Microtopoo	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hic Position (D2) hit (D3) higher (D4) higher (D5)
	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Cracl Field Observations: Surface Water Present? Saturation Present?	y one is sufficient  (A2)  (S (B2)  (B4)  (S (B6)  (S (B6)  Yes (A2)	○ No • No •	Sparsely Vego Marl Deposits Hydrogen Sul Dry-Season V Other (Explai	etated Concave Sur (B15) (fide Odor (C1) Vater Table (C2) In in Remarks) (s):	rface (B8)	Water Stail Drainage F Oxidized R Presence of Salt Depose Stunted or Geomorph Shallow Ac Microtopoo	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hic Position (D2) hit (D3) higher (D4) higher (D5)
	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crack Field Observations: Surface Water Present Water Table Present? (includes capillary frir	y one is sufficient  (A2)  (S (B2)  (S)  (t (B4)  (Yes (Yes (Yes (Yes (Yes (Yes (Yes (Yes	○ No • No • No •	Sparsely Vego Marl Deposits Hydrogen Sul Dry-Season V Other (Explai)  Depth (inche Depth (inche	etated Concave Surfice (B15) If (B15) If (B16) Vater Table (C2) In in Remarks)  s): s):	Wetla	Water Stail Drainage F Oxidized R Presence of Salt Depose Stunted or Geomorph Shallow Ac Microtopoo	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hic Position (D2) hic Position (D3) higher (D3) higher (D4) higher (D5)
no wetland hydrology indicators observed	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crack Field Observations: Surface Water Present Water Table Present? (includes capillary frir	y one is sufficient  (A2)  (S (B2)  (S)  (t (B4)  (Yes (Yes (Yes (Yes (Yes (Yes (Yes (Yes	○ No • No • No •	Sparsely Vego Marl Deposits Hydrogen Sul Dry-Season V Other (Explai)  Depth (inche Depth (inche	etated Concave Surfice (B15) If (B15) If (B16) Vater Table (C2) In in Remarks)  s): s):	Wetla	Water Stail Drainage F Oxidized R Presence of Salt Depose Stunted or Geomorph Shallow Ac Microtopoo	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hic Position (D2) hic Position (D3) higher (D3) higher (D4) higher (D5)
	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crack Field Observations: Surface Water Present Water Table Present? Saturation Present? (includes capillary frir Describe Recorded Date	y one is sufficient  (A2)  (S (B2)  (S)  (t (B4)  (Yes (Yes (Yes (Yes (Yes (Yes (Yes (Yes	○ No • No • No •	Sparsely Vego Marl Deposits Hydrogen Sul Dry-Season V Other (Explai)  Depth (inche Depth (inche	etated Concave Surfice (B15) If (B15) If (B16) Vater Table (C2) In in Remarks)  s): s):	Wetla	Water Stail Drainage F Oxidized R Presence of Salt Depose Stunted or Geomorph Shallow Ac Microtopoo	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hic Position (D2) hic Position (D3) higher (D3) higher (D4) higher (D5)
	Wetland Hydrology Primary Indicators (an Surface Water (A High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5) Surface Soil Crack Field Observations: Surface Water Present Water Table Present? (includes capillary frir Describe Recorded Dat	y one is sufficient  (A2)  (S (B2)  (S)  (B4)  (S (B6)  Tes (B6)	No ● No ● No ● No ● No •	Sparsely Vego Marl Deposits Hydrogen Sul Dry-Season V Other (Explai)  Depth (inche Depth (inche	etated Concave Surfice (B15) If (B15) If (B16) Vater Table (C2) In in Remarks)  s): s):	Wetla	Water Stail Drainage F Oxidized R Presence of Salt Depose Stunted or Geomorph Shallow Ac Microtopoo	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hic Position (D2) hic Position (D3) higher (D3) higher (D4) higher (D5)

U.S. Army Corps of Engineers Alaska Version 2.0