## WETLAND DETERMINATION DATA FORM - Alaska Region

/Site: Susitna-Watana Hydroele	Julic Floject		prough/City:	Malanusk	a-Susitna Borough Sampling Date:	30-Jul-12
ant/Owner: Alaska Energy Author	ity				Sampling Point:	SW12_T49_02
gator(s): SLI, KMK		L	_andform (hil	llside, terrac	e, hummocks etc.): Flat	
elief (concave, convex, none): h	ummocky	,	Slope: 0.0	% / 0.0	° Elevation: 736	
ion: Interior Alaska Mountains		Lat.: 6	 32.81116491	 17	Long.: -148.425673309	Datum: WGS84
		_				
-	ite typical for this	time of vear?	Yes	● No ○	<del></del>	<u> </u>
		-				● No ○
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	-					
MARY OF FINDINGS - Attac	-		pling point	locations	s, transects, important features,	etc.
Hydrophytic Vegetation Present?	Yes   No	$\supset$			.11. 4	
Hydric Soil Present?	Yes   No	$\supset$				
Wetland Hydrology Present?	Yes   No	$\supset$	W	ithin a W	etland? Yes S No C	
arks: water temp 0.2C EC 01 pH						
arks. Water temp 9.3C, EC 91, pri	0.1					
TATION - Use scientific nam	nes of plants. I	ist all spec	cies in the	plot.		
		Absoluto	Dominant	Tudioston	Dominance Test worksheet:	
e Stratum		% Cover	Species?	Status	Number of Dominant Species	
Picea mariana		20	<b>✓</b>	FACW		6 (A)
		0				7 (B)
					-	
		0			That Are OBL, FACW, or FAC:	85.7% (A/B)
		0			Prevalence Index worksheet:	
	Total Cove	r: <u>20</u>			Total % Cover of: Multiply	by:
ling/Shrub Stratum 50%	of Total Cover: _	10 20% (	of Total Cover	:4	OBL Species11 x 1 =	11
Picea mariana		10		FACW	FACW Species 98 x 2 =	196
-				FAC	FAC Species 25 x 3 =	75
Vaccinium uliginosum		7		FAC	FACU Species 5 x 4 =	20
Salix pulchra		50	<b>✓</b>	FACW	UPL Species0 x 5 =	0
Salix commutata		0.1		FAC	Column Totals: 139 (A)	302 (B)
Empetrum nigrum		1		FAC		
Ledum decumbens		1		FACW	Prevalence Index = B/A =	2.173
Vaccinium vitis-idaea		2		FAC	Hydrophytic Vegetation Indicators:	
		0			✓ Dominance Test is > 50%	
		0			✓ Prevalence Index is ≤3.0	
500			(=		☐ Morphological Adaptations <sup>1</sup> (Provide	supporting data in
	of Total Cover:				· · · · · ·	L
					, , , ,	
					be present, unless disturbed of problemat	ic.
On many man allia					Plot size (radius, or length x width)	_10m
					% Cover of Wetland Bryophytes	
					, , , ,	
Carox aquatilis						_10
·					Total Cover of Bryophytes	_85
Arctagrostis latifolia		3		FACW	Usadan mbadi -	
, Juagi John Tambila			_		Hydrophytic	
-	Total Cove	r: 38			Vegetation	
	gator(s): SLI, KMK relief (concave, convex, none): higher life (concave, none): higher life (concave, convex, none): higher life (concave, none	gator(s): SLI, KMK relief (concave, convex, none): hummocky gion: Interior Alaska Mountains ap Unit Name: matic/hydrologic conditions on the site typical for this //egetation	gator(s): SLI, KMK relief (concave, convex, none): hummocky gion: Interior Alaska Mountains  punit Name: matic/hydrologic conditions on the site typical for this time of year? fegetation	gator(s): SLI, KMK   Landform (hil relief (concave, convex, none): hummocky   Slope: 0.0 gion: Interior Alaska Mountains   Lat.: 62.81116491   Application on the site typical for this time of year? Yes (egetation   Soil   Or Hydrology   significantly disturbed? regetation   Soil   Or Hydrology   significantly disturbed? regetation   Soil   Or Hydrology   naturally problematic?   MARY OF FINDINGS - Attach site map showing sampling point   Hydrophytic Vegetation Present? Yes No   No   Hydrophytic Soil Present? Yes No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   No   Wwith the size temp 9.3C, EC 91, pH 6.1   No   No   No   No   No   No   No   N	ant/Owner: Alaska Energy Authority gator(s): SLI, KMK  Landform (hillside, terrac relief (concave, convex, none): hummocky  Slope: 0.0 % / 0.0 gion: Interior Alaska Mountains  Lat: 62.8111649117  antic/hydrologic conditions on the site typical for this time of year? Yes No regetation	antiOwner: Alaska Energy Authority  gator(s): SLI, KMIK  Landform (hillside, terrace, hummocks etc): Flat  reflet (concave, convex, none): hummocky  Slope: 0.0 % / 0.0 ° Elevation: 736  pion: Interior Alaska Mountains  Lat: 62.8111649117  Long: 148.425673309  INVIClassification: PSS11  NVIClassification: PSS11  NVIClassification

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW12\_T49\_02

0-1.5 100 Hemic Organics Oi, common roots  1.5-3.5 100 Sapric Organics Oe, common roots  3.5-5 100 Sapric Organics Oe, few roots  5-18 2.5Y 3/2 50 5YR 4/4 10 C PL Loam 40% gravels and cobbles  Fype: C=Concentration. D=Depletion. RM=Reduced Matrix <sup>2</sup> Location: PL=Pore Lining. RC=Root Channel. M=Matrix  ydric Soil Indicators:  Indicators for Problematic Hydric Soils:  Hemic Organics Oe, few roots  Oe, few roots  1.5-18 2.5Y 3/2 50 5YR 4/4 10 C PL Loam 40% gravels and cobbles  Fype: C=Concentration. D=Depletion. RM=Reduced Matrix <sup>2</sup> Location: PL=Pore Lining. RC=Root Channel. M=Matrix  ydric Soil Indicators:  Indicators for Problematic Hydric Soils:    Histor Epipedon (A2)	Depth (inches)	Color (mo	ist)	%	Color (m	ioist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
3.5-5 5-18 2.57 3/2 50 578 4/4 10 C PL Lam 40% graves and catables    Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. D=Depletion. RM=Reduced Index   Figure Concentration   PL=Pore Lining. RC=Root Channel. M=Matrix   Figure Concentration. PL=Pore Lining. RC=Root Channel. M=Matrix	0-1.5									Hemic Organics	Oi, common roots
S-18   2.5Y   3/2   50   5YR   4/4   10   C   PL   Loam   40% gravels and cobless	1.5-3.5			100						Hemic Organics	Oe, common roots
S-18   2.5Y   3/2   50   5YR   4/4   10   C   Pt   Loam	3.5-5			100		,				Sapric Organics	Oe, few roots
Tope: C=Concentration. D=Depletion. RM=Reduced Matrix    Indicators for Problematic Hydric Soils?   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Gleyed Without Hue SY or Redder Underlying Layer   Alaska Cleyed Without Hue SY or Redder Underlying Layer   Alaska Cleyed Without Hue SY or Redder Underlying Layer   Alaska Cleyed Without Hue SY or Redder Underlying Layer   Alaska Cleyed Underlying Layer   Alaska Cleyed Without Hue SY or Redder Underlying Layer   Alaska Cleyed Underlying Layer   Alaska C		2 5Y	3/2		5YR	4/4	10				_
Indicators Soll Indicators:   Histosol or Histe (A1)	3 10										- 10% grates and cobses
Indicators: Histosol or Histel (A1) Histic Epipedon (A2) Histosol or Histel (A1) Histic Epipedon (A2) Alaska Color Change (TA4) Alaska Color Change (TA5) Alaska Redox With 2.5V Hue Other (Explain in Remarks)  **Give details of color change in Remarks**  **Give details of color change in Remarks**  **Give details of color change in Remarks**  **Trick'e Layer (if present): Type: Depth (inches): Depth (inches):  **Secondary Indicators (two or more are required marks (B1) Hydric Soil Present? Yes • No Drainage Patterns (B19) Alaska Redox With 2.5V Hue  **Drainage Patterns (B19) Drainage Patterns (B19) Alaska Cleyed Without Hue 5Y or Redder Underlying Layer  **Indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present  **Give details of color change in Remarks**  **Hydric Soil Present? Yes • No  Drainage Patterns (B19) Drai											
Histosol or Histel (A1)   Alaska Color Change (TA4)   Alaska Alpine sweles (TA5)   Underlying Layer Layer Underlying Layer Layer Underlying La	ype: C=Con	centration. D=	=Depletion	. RM=Reduc				_		nnel. M=Matrix	
Histic Epipedon (A2) Hydrogen Sulfide (A4)  Alaska Alpine swales (TA5)  City Alaska Redox With 2.5Y Hue  Other (Explain in Remarks)  Thick Dark Surface (A12) Alaska Redox (A14) Alaska Gleyed (A13) Alaska Redox (A14) Alaska Gleyed Pores (A15)  Alaska Redox (A14) Alaska Gleyed Pores (A15)  Alaska Gleyed Pores (A15)  Alaska Gleyed Pores (A15)  Type: Depth (inches):  Type: Depth (inches):  DROLLOGY  ### Coll Present? Yes ■ No ○  Depth (inches):  DROLLOGY  ### Coll Present? Present (B10)    Surface Water (A1)   Surface Water (A1)   Saturation (A3)   Marl Deposits (B15)   Marl Deposits (B15)   Dry-Season Water Table (C2)   Dry-Season Water Table (C2)   Saturation (B13)   Surface Soil Cracks (B6)   Dry-Season Water Table (C2)   Situration (C2)   Saturation (C2)	dric Soil In	ndicators:						4	oils:³		
Institute physicial (Ad) Intick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15)  Alaska Gleyed Pores (No O more are required marks:  Alaska Gleyed Pores (No O more are required marks:  Alaska Gleyed Pores (No O more are required marks:  Alaska Gleyed Pores (No O more are required marks:  Alaska Gleyed Pores (No O more are required pores (No O More are are alaska (No O more are required marks:  Alaska Gleyed Pores (No O more are required marks:  Alaska Gleyed Pores (No O more are required marks:  Alaska Gleyed Pores (No O more are required marks:  Alask	Histosol or	Histel (A1)						-			t Hue 5Y or Redder
Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15)  Beth (Inches):  Alaska Gleyed Pores (A15)  Alaska Gleyed Pores (A15)  Alaska Gleyed Pores (A15)  Beth (Inches):  Alaska Gleyed Pores (A15)  Alaska Gleyed Marka (B16)  Alaska Gleval Alaska (B16)  Alaska Gleval Alaska (B16)  Alaska Gleval Alaska (B16)  Alaska Cleval Alaska (B16)  Alaska Cleval Alaska (B16)  Alaska Cleval Alaska (B16)	Histic Epipe	edon (A2)				•	•	,		, , ,	1.3
Alaska Gleyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15)  Afficiate Layer (if present): Type: Depth (inches):  Type: Depth (inches):  D		` ,			<b>✓</b> Alask	ka Redox Wi	ith 2.5Y H	lue		Otner (Explain in Ren	narks)
A Asska Gleyed (A13) A Jaska Gleyed Pores (A15)		• •	)		3 One ir	ndicator of h	vdronhyti	ic vegetatio	n. one prin	nary indicator of wetlar	nd hydrology.
Alaska Gleyed Pores (A15)  *Give details of color change in Remarks  trictive Layer (if present):  Type: Depth (inches):  **Marks:**  **PRESENTIAL PROPERTY OF THE NOTE OF THE	1										,,
Add dielyed Pores (A15)  Type: Depth (inches):  Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Type: Depth (inches): Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B9) Drainage Patterns (B10) Type Secondary Indicators (two or more are required water Stained Leaves (B10) Type Secondary (B10) Type Sec		` '	_,		4 Give d	letails of col	or change	in Remark	:s		
Type: Depth (inches):  DROLOGY  ttand Hydrology Indicators: mary Indicators (any one is sufficient) Surface Water (A1) Injundation Visible on Aerial Imagery (B7) Surface Water (A1) Sediment Deposits (B1) Defit Deposits (B3) Diff Deposits (B3) Other (Explain in Remarks)  Depth (inches):  Depth	Alaska Gley	yed Pores (A1	٥)				0. 090				
DROLOGY  tland Hydrology Indicators: mary Indicators (any one is sufficient) Surface Water (A1) Injundation Visible on Aerial Imagery (B7) Surface Water (A2) Sparsely Vegetated Concave Surface (B8) Saturation (A3) Marl Deposits (B15) Sediment Deposits (B2) Dry-Season Water Table (C2) Drift Deposits (B3) Other (Explain in Remarks) Secondary Indicators (two or more are required (Mater Stained Leaves (B9) Drainage Patterns (B10) Dridized Rhizospheres along Living Roots (6) Saturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Salt Deposits (C5) Sediment Deposits (B2) Dry-Season Water Table (C2) Drift Deposits (B3) Other (Explain in Remarks) Shallow Aquitard (D3) Iron Deposits (B5) Surface Soll Cracks (B6) Wetland Hydrology Present? Yes No Depth (inches): 3 Wetland Hydrology Present? Yes No Depth (inches): 3 Cribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	trictive Laye	r (if present):									
DROLOGY  tland Hydrology Indicators:	Type:									Hydric Soil Prese	ent? Yes • No O
DROLOGY  tland Hydrology Indicators:  mary Indicators (any one is sufficient)  Surface Water (A1)  Injundation Visible on Aerial Imagery (B7)  Injundation (A3)  Injundation (A3)  Injundation (A3)  Injundation (A3)  Injundation (A5)  Injundation (A5										,	
Secondary Indicators (two or more are required water (A1)		es):									
Imary Indicators (any one is sufficient)  Surface Water (A1)  Inundation Visible on Aerial Imagery (B7)  Prainage Patterns (B10)  High Water Table (A2)  Sparsely Vegetated Concave Surface (B8)  Oxidized Rhizospheres along Living Roots (C2)  Saturation (A3)  Marl Deposits (B15)  Presence of Reduced Iron (C4)  Salt 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)  Shallow Aquitard (D3)  Iron Deposits (B5)  Surface Soil Cracks (B6)  Indicators (any one is sufficient)  Water Stained Leaves (B9)  Drainage Patterns (B10)  Oxidized Rhizospheres along Living Roots (C4)  Salt Deposits (C5)  Salt Deposits (C5)  Stunted or Stressed Plants (D1)  Geomorphic Position (D2)  Shallow Aquitard (D3)  Microtopographic Relief (D4)  Surface Soil Cracks (B6)  Indicators (B6)  Wetland Hydrology Present? Yes No  Depth (inches): 3  Wetland Hydrology Present? Yes No  No  Depth (inches): 3  Surface Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	marks:										
Surface Water (A1)	marks:	GY									
High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Staturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Salt Deposits (C5) Sediment Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) Shallow Aquitard (D3) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Water Present? Yes No Depth (inches): Staturation (Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Surface Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Marl Deposits (B8) Dxidized Rhizospheres along Living Roots (C4) Presence (B8) Dxidized Rhizospheres along Living Roots (C4) Presence of Reduced Iron (C4) Salt Deposits (C5) Salt Deposits (C5) Suturated or Stressed Plants (D1) Salt Deposits (D2) Stunted or Stressed Plants (D1) Square (C2) Stunted or Stressed Plants (D1) Square (D2) Square (C2) Square (C3) Square (C4) Salt Deposits (C5) Salt Deposits (C5) Salt Deposits (C5) Salt Deposits (C5) Square (C2) Stunted or Stressed Plants (D1) Square (C2) Square (C3) Square (C4) Salt Deposits (C5) Salt	marks:	GY ology Indica								_Secondary I	ndicators (two or more are required
Saturation (A3)	DROLO( etland Hydrimary Indicat	GY ology Indica		t)					(07)	Secondary I	ndicators (two or more are required Stained Leaves (B9)
Water Marks (B1)	DROLOG etland Hydr mary Indicat	GY rology Indica		t)						Secondary I	ndicators (two or more are required Stained Leaves (B9) Je Patterns (B10)
Sediment Deposits (B2)	DROLOG Stland Hydromary Indicat Surface Will High Wate	GY ology Indicators (any one later (A1) or Table (A2)		t)	☐ Sp	arsely Veget	tated Con			Secondary I  Water S  Drainag  Oxidize	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots ((
Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Surface Soil Cracks (B6)  Ind Observations:  Irace Water Present?  Alter Table Present?  Yes No Depth (inches):  Indudes capillary fringe)  Depth (inches): 3	DROLOG tland Hydr mary Indicat Surface Wa High Wate	GY ology Indica cors (any one ater (A1) rr Table (A2) (A3)		t)	Sp.	arsely Vegel arl Deposits	tated Con (B15)	cave Surfac		Secondary I  Water S  Drainag  Oxidize  Presence	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (G te of Reduced Iron (C4)
Algal Mat or Crust (B4)  Iron Deposits (B5)  Surface Soil Cracks (B6)  Surface Soil Cracks (B6)  Ind Observations:  Irrace Water Present?  Induces Capillary fringe)  Wetland Hydrology Present?  Yes No Depth (inches): 3  Wetland Hydrology Present?  Yes No Depth (inches): 3  Socribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	DROLOGETIAN HIGH	GY ology Indica cors (any one ater (A1) or Table (A2) (A3) ks (B1)		t)	Sp. Ma	arsely Vegel arl Deposits drogen Sulf	tated Con (B15) ide Odor	cave Surfac		Secondary I  Water 9  Drainag  Oxidize  Present  Salt De	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (G te of Reduced Iron (C4) posits (C5)
☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Surface Soil Cracks (B6) ☐ FAC-neutral Test (D5) ☐ Iron Deposits (B5) ☐ Microtopographic Relief (D4) ☐ FAC-neutral Test (D5) ☐ FAC-neutral Test (D5	TDROLOG  etland Hydrimary Indicat  Surface Wa High Wate Saturation Water Mar Sediment I	ology Indica cors (any one ater (A1) or Table (A2) (A3) cks (B1) Deposits (B2)		t)	Sp. Ma	arsely Veget arl Deposits drogen Sulf y-Season W	tated Con (B15) ide Odor ( ater Table	cave Surfac (C1) e (C2)		Secondary I  Water S  Drainag  Oxidize  Preseng  Salt De  Stunted	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (G te of Reduced Iron (C4) posits (C5) d or Stressed Plants (D1)
Surface Soil Cracks (B6)  Eld Observations:  Uniface Water Present? Yes No Depth (inches):  Uniface Water Present? Yes	DROLOGETIAND IN THE PROPERTY OF THE PROPERTY O	ology Indica cors (any one ater (A1) or Table (A2) (A3) cks (B1) Deposits (B2) sits (B3)		t)	Sp. Ma	arsely Veget arl Deposits drogen Sulf y-Season W	tated Con (B15) ide Odor ( ater Table	cave Surfac (C1) e (C2)		Secondary I  Water S  Drainag  Oxidize  Presenc  Salt De  Stuntec  Geomo	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Gue of Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2)
Ald Observations:  Inface Water Present? Yes No Depth (inches):  Inf	DROLOGE STATE OF THE PROPERTY	GY  lology Indicators (any one ater (A1)  lor Table (A2) (A3)  loks (B1)  Deposits (B2) sits (B3)  or Crust (B4)		t)	Sp. Ma	arsely Veget arl Deposits drogen Sulf y-Season W	tated Con (B15) ide Odor ( ater Table	cave Surfac (C1) e (C2)		Secondary I  Water S  Drainag  Oxidize  Present  Salt De  Stunted  Geomo  Shallow	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Cate of Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) v Aquitard (D3)
Autration Present?  Yes No Depth (inches):  Autration Present?  Yes No Depth (inches): 3  Wetland Hydrology Present? Yes No Depth (inches): 3  Autration Present?  Yes No Depth (inches): 3  Wetland Hydrology Present? Yes No Depth (inches): 3  Scribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	DROLOG  Itland Hydre  Mary Indicat  Surface Wa  High Wate  Saturation  Water Mar  Sediment I  Drift Depos  Algal Mat c  I ron Depos	GY  rology Indicators (any one ater (A1)  ror Table (A2)  (A3)  rks (B1)  Deposits (B2)  sits (B3)  or Crust (B4)  sits (B5)	is sufficien	t)	Sp. Ma	arsely Veget arl Deposits drogen Sulf y-Season W	tated Con (B15) ide Odor ( ater Table	cave Surfac (C1) e (C2)		Secondary I  Water 9  Drainag  Oxidize  Presenc  Salt De  Stunted  Geomo  Shallow  Microto	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Ce of Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) v Aquitard (D3) pographic Relief (D4)
Atturation Present?  Yes No Depth (inches): 3  Wetland Hydrology Present? Yes No Depth (inches): 3  Scribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  marks:	DROLOG  Etland Hydre  Mary Indicat  Surface Wa  High Wate  Saturation  Water Mar  Sediment I  Drift Depoi  Algal Mat of  Iron Depoi  Surface So	GY ology Indicators (any one ater (A1) or Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6)	is sufficien	t)	Sp. Ma	arsely Veget arl Deposits drogen Sulf y-Season W	tated Con (B15) ide Odor ( ater Table	cave Surfac (C1) e (C2)		Secondary I  Water 9  Drainag  Oxidize  Presenc  Salt De  Stunted  Geomo  Shallow  Microto	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Ce of Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) v Aquitard (D3) pographic Relief (D4)
Acturation Present?  Acturatio	DROLOG  Itland Hydre  Mary Indicat  Surface Wa  High Wate  Saturation  Water Mar  Sediment I  Drift Depoi  Algal Mat of  Iron Depoi  Surface So	GY ology Indica cors (any one ater (A1) or Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) tions:	is sufficien		Sp. Ma	arsely Veget arl Deposits rdrogen Sulfi y-Season W her (Explain	tated Con (B15) ide Odor ( ater Table in Reman	cave Surfac (C1) e (C2)		Secondary I  Water 9  Drainag  Oxidize  Presenc  Salt De  Stunted  Geomo  Shallow  Microto	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Ce of Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) v Aquitard (D3) pographic Relief (D4)
Depth (Inches): 3  scribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  marks:	DROLOG  Stand Hydremary Indicat  Surface Wa  High Wate  Saturation  Water Mar  Sediment I  Drift Depoi  Algal Mat o  Iron Depoi  Surface So	ology Indicators (any one ater (A1) or Table (A2) (A3) or (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) tions: Present?	Yes C	○ No •	Sp. Ma Hy Dr. Ott	arsely Veget arl Deposits drogen Sulfi y-Season W. her (Explain	tated Con (B15) ide Odor ( ater Table in Reman	cave Surfac (C1) e (C2)	ce (B8)	Secondary I  Water S  Drainag  Oxidize  Present  Salt De  Stunted  Geomo  Shallow  Microto  FAC-ne	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Geof Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) d Aquitard (D3) pographic Relief (D4) utral Test (D5)
marks:	DROLOGETANDERS SUFFACE SOLEMENT AND ADDRESS SUFFACE SOLEMENT AND ADDRESS SUFFACE SOLEMENT AND ADDRESS SUFFACE SUFFACE WATER AND ADDRESS SUFFACE SUFFAC	GY  rology Indicators (any one ater (A1)  ror Table (A2)  (A3)  rks (B1)  Deposits (B2)  sits (B3)  or Crust (B4)  sits (B5)  bil Cracks (B6)  tions:  Present?	Yes C	○ No •	Sp. Ma Hy Dr. Ott	arsely Veget arl Deposits drogen Sulfi y-Season W. her (Explain	tated Con (B15) ide Odor ( ater Table in Reman	cave Surfac (C1) e (C2)	ce (B8)	Secondary I  Water S  Drainag  Oxidize  Present  Salt De  Stunted  Geomo  Shallow  Microto  FAC-ne	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Geof Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) d Aquitard (D3) pographic Relief (D4) utral Test (D5)
	marks:  "DROLOGetland Hydrimary Indicated Sourface Water Mare Souration Drift Deposition	ology Indicators (any one ater (A1) or Table (A2) (A3) or (A3) or Crust (B4) sits (B5) oil Cracks (B6) tions: Present? resent?	Yes Yes	No ● No ○	Sp. Sp. Ma Hy Dry Ott	arsely Veget arl Deposits drogen Sulfi y-Season W her (Explain	tated Con (B15) ide Odor dater Table in Reman	cave Surfac (C1) e (C2)	ce (B8)	Secondary I  Water S  Drainag  Oxidize  Present  Salt De  Stunted  Geomo  Shallow  Microto  FAC-ne	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Geof Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) d Aquitard (D3) pographic Relief (D4) utral Test (D5)
	TOROLOGE TABLE TO THE PROPERTY OF THE PROPERTY	GY  ology Indicators (any one later (A1)  or Table (A2)  (A3)  or Crust (B4)  sits (B3)  or Crust (B4)  sits (B5)  oil Cracks (B6)  tions:  Present?  resent?  sent?  lary fringe)	Yes (	No O No O	Sp. Sp. Mad Hy Dr. Ottl	arsely Veget arl Deposits drogen Sulf y-Season W her (Explain  epth (inches epth (inches	tated Con (B15) ide Odor (ater Table in Reman ): 3	cave Surfac (C1) e (C2) ks)	wetla	Secondary I  Water S  Drainag  Oxidize  Present  Salt De  Stunted  Geomo  Shallow  Microto  FAC-ne	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Geof Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) d Aquitard (D3) pographic Relief (D4) utral Test (D5)
	Marks:  DROLOG  Latland Hydrimary Indicat Surface Wa High Water Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Surface So Led Observa Later Table Presturation Prestur	GY  ology Indicators (any one later (A1)  or Table (A2)  (A3)  or Crust (B4)  sits (B3)  or Crust (B4)  sits (B5)  oil Cracks (B6)  tions:  Present?  resent?  sent?  lary fringe)	Yes (	No O No O	Sp. Sp. Mad Hy Dr. Ottl	arsely Veget arl Deposits drogen Sulf y-Season W her (Explain  epth (inches epth (inches	tated Con (B15) ide Odor (ater Table in Reman ): 3	cave Surfac (C1) e (C2) ks)	wetla	Secondary I  Water S  Drainag  Oxidize  Present  Salt De  Stunted  Geomo  Shallow  Microto  FAC-ne	ndicators (two or more are required Stained Leaves (B9) ge Patterns (B10) d Rhizospheres along Living Roots (Geof Reduced Iron (C4) posits (C5) d or Stressed Plants (D1) rphic Position (D2) d Aquitard (D3) pographic Relief (D4) utral Test (D5)

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