## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City: Matanuska-Susitna Borough Sampling Dat	e: 21-Aug-15
Applicant/Owner: Alaska Energy Authority	Sampling Point:	SW15_T303_05
Investigator(s): WAD, SCB	Landform (hillside, terrace, hummocks etc.): Hillside	
Local relief (concave, convex, none): hummocky	Slope: 7.0 % / 4.0 ° Elevation:	
Subregion : Interior Alaska Mountains Lat.:	Long.:	Datum: WGS84
Soil Map Unit Name:	NWI classification: Upl	and
		res  No
SUMMARY OF FINDINGS - Attach site map showing sa	impling point locations, transects, important feature	s, etc.
Hydrophytic Vegetation Present?       Yes ●       No ○         Hydric Soil Present?       Yes ○       No ●	Is the Sampled Area	

within a Wetland?

Yes 🔿 No 🖲

Remarks:

Wetland Hydrology Present?

## **VEGETATION** - Use scientific names of plants. List all species in the plot.

Yes 💿 No 🔿

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Tre	e Stratum		Cover	Species?	Indicator Status	Number of Dominant Species		
1.	Picea mariana	-	40		FACW	That are OBL, FACW, or FAC:(A)		
2.			0			Total Number of Dominant Species Across All Strata: 5 (B)		
3.			0					
4.			0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)		
5.		-	0					
	Total Cover	- r:	40			Prevalence Index worksheet: Total % Cover of: Multiply by:		
Sap	ling/Shrub Stratum 50% of Total Cover:			of Total Cover:	8			
<u> </u>			_			FACW Species $55.1$ x 2 = $110.2$		
	Vaccinium uliginosum	-	25		FAC			
2.	Betula nana	-	10		FAC			
3.	Rhododendron tomentosum	-	10		FACW	FACU Species x 4 =		
4.	Vaccinium vitis-idaea		5		FAC	UPL Species x 5 =		
5.	Empetrum nigrum	_	5		FAC	Column Totals: 105.1 (A) 260.2 (B)		
6.	Picea mariana	-	5		FACW	Prevalence Index = $B/A = 2.476$		
7.		_	0			Prevalence Index = B/A = <u>2.476</u>		
			0			Hydrophytic Vegetation Indicators:		
			0			✓ Dominance Test is > 50%		
		-	0			✓ Prevalence Index is $\leq$ 3.0		
	Total Cover	r:	60		Morphological Adaptations (Provide supporting data in			
Her	b Stratum 50% of Total Cover:			of Total Cover:	12	Remarks or on a separate sheet)		
1.	Carex bigelowii		5	$\checkmark$	FAC	Problematic Hydrophytic Vegetation (Explain)		
2.	Rubus chamaemorus		0.1		FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must		
3.			0			be present, unless disturbed or problematic.		
			0					
			0			Plot size (radius, or length x width) <u>10m</u>		
			0			% Cover of Wetland Bryophytes (Where applicable)		
			0			% Bare Ground		
			0			Total Cover of Bryophytes 60		
			0					
		_	0			Hydrophytic		
	Total Cover		5.1			Vegetation		
	50% of Total Cover:			of Total Cover:	1.02	Present? Yes $\bullet$ No $\bigcirc$		
Remarks: fnobs, understory feather mosses, vaculi, betnan								

Image: space of the space	Profile Descript Depth	ion: (Describe to t	the depth ne <b>fatrix</b>	eded to docu	ment the in		nfirm the abs <b>lox Featu</b>		cators)				
0-5         File: Cogenice           5-11         JOYR         2/2         100           11-16         7.5'YR         3/3         60         JOYR         2/2         40         C         M         Sendy Loam         organic statumg           11-16         7.5'YR         3/3         60         JOYR         2/2         40         C         M         Sendy Loam         organic statumg           11-16         7.5'YR         3/3         60         JOYR         2/2         40         C         M         Sendy Loam         organic statumg         organic statumg           11-16         7.5'YR         3/3         60         JOYR         2/2         40         C         M         Sendy Loam         organic statumg		Color (moi	ist)	%	Color (n	noist)	%	Type <sup>1</sup>	Loc 2	Texture	Remarks		
11:16       7.57R       373       00       10YR       2/2       40       C       M       Sendy Loan       organic stamma         11:16       7.57R       373       00       10YR       2/2       40       C       M       Sendy Loan       organic stamma         11:16       7.57R       373       00       10YR       2/2       40       C       M       Sendy Loan       organic stamma         11:16       7.57R       373       00       10YR       2/2       40       C       M       Sendy Loan       organic stamma         11:16       7.57R       373       00       10YR       2/2       40       C       M       Sendy Loan       organic stamma         11:16       7.57R       373       00       10/2	0-5									Fibric Organics		I	
*Type: C-Concentration. D-Dapletion. RM=Reduced Matrix       *Location: RV=Reduced Matrix       *Location: RV=Reduced Matrix         *Type: C-Concentration. D-Dapletion. RM=Reduced Matrix       *Location: RV=Reduced Matrix       *Location: RV=Reduced Matrix         *Hatosio of instel (A)       Ataska Color Change (TA <sup>1</sup> )       Ataska Gleyed Without Hoe SY or Redder         Hightic Soil Indicators:       Indicators for Problematic Hydric Soils?       Indicators of Wetgetaits         Hightic AN       Ataska Ectory With 2.SY Take       Other (Explain in Remarks)         Ataska Gleyed AN13       an appropriate landscape position must be present         Ataska Gleyed Arores (A13)       * Give details of color change in Remarks         Restrictive Layer (If present):       Type:         Type:       Restrictive Layer (If present):         Type:       Secondary Indicators (Invo or more are required).         Improvide Soil Indicators:       Freemark:         Remarks:       Secondary Indicators (Invo or more are required).         Hydric Soil Indicators:       Secondary Indicators (Invo or more are required).         Improve Water (A1)       Inuncation Visible on Aerial Imagery (87)       Defanage Patters (810)         Hydric Soil Indicators       Secondary Indicators (Invo; or more are required).       Secondary Indicators (10)         Improve Mater (A1)       Sparately Vegetated Concow Surface (88) <td>5-11</td> <td>10YR</td> <td>2/2</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Sandy Loam</td> <td></td> <td></td>	5-11	10YR	2/2	100						Sandy Loam			
*Type: C-Concentration. D-Dapletion. RM=Reduced Matrix       *Location: RV=Reduced Matrix       *Location: RV=Reduced Matrix         *Type: C-Concentration. D-Dapletion. RM=Reduced Matrix       *Location: RV=Reduced Matrix       *Location: RV=Reduced Matrix         *Hatosio of instel (A)       Ataska Color Change (TA <sup>1</sup> )       Ataska Gleyed Without Hoe SY or Redder         Hightic Soil Indicators:       Indicators for Problematic Hydric Soils?       Indicators of Wetgetaits         Hightic AN       Ataska Ectory With 2.SY Take       Other (Explain in Remarks)         Ataska Gleyed AN13       an appropriate landscape position must be present         Ataska Gleyed Arores (A13)       * Give details of color change in Remarks         Restrictive Layer (If present):       Type:         Type:       Restrictive Layer (If present):         Type:       Secondary Indicators (Invo or more are required).         Improvide Soil Indicators:       Freemark:         Remarks:       Secondary Indicators (Invo or more are required).         Hydric Soil Indicators:       Secondary Indicators (Invo or more are required).         Improve Water (A1)       Inuncation Visible on Aerial Imagery (87)       Defanage Patters (810)         Hydric Soil Indicators       Secondary Indicators (Invo; or more are required).       Secondary Indicators (10)         Improve Mater (A1)       Sparately Vegetated Concow Surface (88) <td>11-16</td> <td>7.5YR</td> <td>3/3</td> <td>60</td> <td>10YR</td> <td>2/2</td> <td>40</td> <td>C</td> <td>M</td> <td>Sandy Loam</td> <td>organic staining</td> <td></td>	11-16	7.5YR	3/3	60	10YR	2/2	40	C	M	Sandy Loam	organic staining		
Hydric Soll Indicators:       Indicators for Problematic Hydric Solls?         Histosol or Histel (A1)       Abska Color Change (TA4)         Histosol or Histel (A1)       Abska Color Change (TA4)         Histosol or Histel (A1)       Abska Color Change (TA4)         Histosol or Histel (A1)       Abska Redow With 2.SY Hue       Underlying Layer         Hydropsol Sufface (A12)       Abska Redow With 2.SY Hue       Underlying Layer         Abska Geleyed (A13)       abska Redow With 2.SY Hue       Underlying Layer         Abska Geleyed (A13)       * Give details of color change in Remarks         Restrictive Layer (if present):       Type:       Properties         Depth (inches):       Hydric Soil Present?       Yes       No •         Permarks:       no hydric soil indicators       Secondary Indicators (two or more are required)         Primar Jodicators (any one is sufficient)       Inundation Visible on Aerial Imagery (87)       Drainage Paterna (B10)       Water Stained Lawes (89)         Surface Water (A1)       Inundation Visible Color (C1)       Sasta Peode Vision (C2)       Sasta Peode Vision (C2)         High Water Table (A2)       Sparsety Vegetated Concave Surface (B8)       Diddeed Riticophrees along Living Roots (C3)         High Water Table (A2)       Sparsety Vegetated Concave Surface (B8)       Diddeed Riticophres along Living Roots (C3)													
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Hydric Soll Indicators:       Indicators for Problematic Hydric Solls?         Histosol or Histel (A1)       Abska Color Change (TA4)         Histosol or Histel (A1)       Abska Color Change (TA4)         Histosol or Histel (A1)       Abska Color Change (TA4)         Histosol or Histel (A1)       Abska Redow With 2.SY Hue       Underlying Layer         Hydropsol Sufface (A12)       Abska Redow With 2.SY Hue       Underlying Layer         Abska Geleyed (A13)       abska Redow With 2.SY Hue       Underlying Layer         Abska Geleyed (A13)       * Give details of color change in Remarks         Restrictive Layer (if present):       Type:       Properties         Depth (inches):       Hydric Soil Present?       Yes       No •         Permarks:       no hydric soil indicators       Secondary Indicators (two or more are required)         Primar Jodicators (any one is sufficient)       Inundation Visible on Aerial Imagery (87)       Drainage Paterna (B10)       Water Stained Lawes (89)         Surface Water (A1)       Inundation Visible Color (C1)       Sasta Peode Vision (C2)       Sasta Peode Vision (C2)         High Water Table (A2)       Sparsety Vegetated Concave Surface (B8)       Diddeed Riticophrees along Living Roots (C3)         High Water Table (A2)       Sparsety Vegetated Concave Surface (B8)       Diddeed Riticophres along Living Roots (C3)													
Image: state sta	<sup>1</sup> Type: C=Co	ncentration. D=	Depletion	. RM=Reduc	ed Matrix	<sup>2</sup> Location	: PL=Pore	e Lining. R(	C=Root Cha	nnel. M=Matrix			
Image: state of the state	Hydric Soil I	ndicators:			Indicat	ors for Pr	oblemati	c Hydric S	oils: <sup>3</sup>				
Image: State Sta								4		Alaska Gleved Without H	ue 5Y or Redder	l	
Image: Number of the state state (A4)       Image: Alaska Redox With 2.5Y Hue       Other (Explain in Remarks)         Image: Ima		. ,							-			l	
□       Thick bark Surface (A12) <sup>a</sup> One indicator of hydrophytic wegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present.         □       Aaska Gieyed (A13) <sup>a</sup> Give details of color change in Remarks.         Restrictive Layer (If present): <ul> <li>Type:</li> <li>Depth (inches):</li> </ul> Restrictive Layer (If present): <ul> <li>Type:</li> <li>Depth (inches):</li> <li>Remarks:</li> <li>no hydric soil indicators</li> <li>Primary Indicators (law on eis sufficient)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Drainage Patterns (B10)</li> <li>Oxdiffed Nyarobyshic (B15)</li> <li>Present 7 Kes (B10)</li> <li>Gelment Deposits (B1)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Drainage Patterns (B10)</li> <li>Oxdiffed Nyarobyshic (B15)</li> <li>Present of Reduced Iron (C4)</li> <li>Saturation (Ray on S(B2)</li> <li>Oyt-Season Water Table (C2)</li> <li>Saturation (R3)</li> <li>Other (Explain in Remarks)</li> <li>Genomprike Position (C2)</li> <li>Saturation (R4)</li> <li>Oxdiffed Observations:</li> <li>Surface Water Present?</li> <li>Yes</li> <li>No</li> <li>Depth (inches):</li> <li>Wetland Hydrology Present?</li> <li>Yes</li> <li>No</li> <li>Depth (inches):</li> <li>Depth (inches):</li> <li>Describe Recorded Data (stream gauge, monitor well, aerial photes, previous inspection) if available:</li> <li>Remarks:</li> <li>Remarks:</li> <li>Restrict Saturation Present?</li> <li>Yes</li> <li>No</li> <li>Depth (inches):</li> <li>Desche Recorded Data (stream gauge, monitor well</li></ul>							-			Other (Explain in Remark	s)	l	
Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Cleyed Yores (A15) Alaska Cleyed Pores (A15) Alaska Cleyed Pores (A15) *Give details of color change in Remarks Restrictive Layer (if present): Type: Depth (inches): Remarks: no hydric soil indicators Hydric Soil Present? Yes No ● Primary Indicators (two or more are reguired) Filed Observations (B1) Gleyed Pores (B1) Alaska Cleyed Pores (A15) *Give details of color change in Remarks Hydric Soil Present? Yes No ● Primary Indicators (two or more are reguired) High Water Table (A2) Gleyense Vegetated Concave Surface (B8) Gleyense Concave Surface Concave Surface (B8) Gleyense Concave Surface (B8) Gleyense Concave Surface (B8) Gleyense Concave Surface (B8) Gleyense Concave Surface (B9) Concave (B9) Concave (B9) Concave (B9) Concave (B9) Concerve (B9)		. ,											
□ Alaska Redox (A14)       • Give details of color change in Remarks         Restrictive Layer (if present):       Type:         □ pepth (inches):       Hydric Soil Present? Yes No ●         Peth (inches):       Remarks:         no hydric soil indicators       Secondary Indicators (two or more are required)         Primary Indicators (any one is sufficient)       □ nundation Visible on Aerial Imagery (87)         □ High Water Table (A2)       □ Sparsely Vegetated Concave Surface (B8)         □ Sturation (A3)       □ Mar Deposits (B3)         □ Orthor Deposits (B2)       □ Dry-Season Water Table (C2)         □ Sturation Crask (B6)       ○ Wetland Hydrology Present?         Field Observations:       Surface Water (A1)         □ Surface Water (Present?       Yes No ●         □ Depth (inches):       ○         □ Sturation Present?       Yes No ●         □ Tron Deposits (B3)       □ Other (Explain in Remarks)         □ Surface Water Present?       Yes No ●         □ Depth (inches):       ○         □ Surface Water Present?       Yes No ●         □ Depth (inches):       ○		( )			<sup>3</sup> One i	ndicator of	hydrophyt	tic vegetation	on, one prim	hary indicator of wetland h	ydrology,		
Image deepend roles (n1.5)         Restrictive Layer (if present):         Type:         Depth (inches):         Remarks:         no hydric soil indicators         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (any one is sufficient)         Image indicators (any one is sufficient)         Surface Water (A1)         Surface Water (A2)         Sparsely Vegetated Concave Surface (B8)         Oxidized Rhizospheres along Living Roots (C3)         Statuation (A3)       Marl Deposits (B15)         Water Marks (B1)       Hydrice Soil Oracks (C5)         Staturation (A3)       Other (Explain in Remarks)         Sediment Deposits (B3)       Other (Explain in Remarks)         Geomorphic Positis (D2)       Dry-Season Water Table (C2)         Mard Deposits (B5)       Water Marks (B1)         Infl Deposits (B5)       Water Crust (B4)         Intro Deposits (B5)       Water Remarks:         Surface Soil Cracks (B6)       FAC-neutral Test (D5)         Field Observations:       Statuation Present?       Yes       No         Sutrate capilary frince       Yes       No       Depth (inches):         Water Table Present?       Yes       No       Depth (inches):							•	•	•	esent			
Type:       Pydric Soil Present?       Yes       No         Depth (inches):       Remarks:         no hydric soil indicators         PHYDROLOGY         Wettand Hydrology Indicators:         Primary Indicators (anv one is sufficient)         Image: Sufface Water (A1)         Surface Water (A1)         Saturation (A3)         Saturation (A3)         Mark (B1)         Hydrogen Sufface Odor (C1)         Staff Deposits (B2)         Dry-Season Water Table (C2)         Staff Deposits (B3)         Other (Explain in Remarks)         Geomorphic Position (02)         Surface Soil Cracks (B6)         Field Deservations:         Surface Soil Cracks (B6)         Vater Table (C2)         Sufface Soil Cracks (B6)         Water Table (C2)         Ballow Aquitard (D3)         Microtoparphic Relief (D4)         Surface Soil Cracks (B6)         Water Mark (B1)         Multication Simple Deposite (B5)         Surface Soil Cracks (B6)         Wetar Table (C2)         Microtoparphic Relief (D4)         Surface Soil Cracks (B6)         Water Table (Present?         Yes       No         Depth (	🗌 Alaska Gle	eyed Pores (A15	5)		<sup>4</sup> Give	details of co	olor change	e in Remarl	ks				
Type:       Pydric Soil Present?       Yes       No         Depth (inches):       Remarks:         no hydric soil indicators         Primary Indicators         Primary Indicators (anv one is sufficient)       water Stained Leaves (89)         Surface Water (A1)       Inundation Visible on Aerial Imagery (87)       Drainage Patterns (B10)         Saturation (A3)       Garseby Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (C3)         Saturation (A3)       Mari Deposits (B15)       Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Suffice Odor (C1)       Saturation (C2)         Staff Deposits (B3)       Other (Explain in Remarks)       Geomorphic Position (02)         Surface Soil Cracks (B6)       Water Marker (B1)       Water Marker (B1)         Iron Deposits (B5)       Water Marker (B1)       Water Marker (B1)         Iron Deposits (B5)       Staff Deposite (B5)       Water Marker (B1)         Surface Water Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):         Surface Roorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:	Restrictive Lav	er (if present):											
Depth (inches):       Remarks:         no hydric soil indicators       Secondary Indicators         Primary Indicators (arw one is sufficient)       Water Stained Leaves (89)         Primary Indicators (arw one is sufficient)       Bain and thydrology Indicators:         Primary Indicators (arw one is sufficient)       Bain and thydrology Indicators (B0)         Bain and thydrology Indicators:       Secondary Indicators (bain one is sufficient)         Bain and thydrology Indicators:       Secondary Indicators (B0)         Bain and thydrology Indicators:       Secondary Indicators (B0)         Bain and thydrology Indicators:       Secondary Indicators (B0)         Bain and thydrology Indicators:       Bain Deposits (B15)         Bain and Deposits (B2)       Dry-Season Water Table (C2)         Bain Deposits (B3)       Other (Explain in Remarks)         Bain and to crust (B4)       Shallow Aquitard (D3)         Brid Observations:       Water Table (C2)         Surface Water Present?       Yes         No        Depth (inches):         Water Table Present?       Yes         No        Depth (inches):         Water Table Present?       Yes         No       Depth (inches):         Water Table Present?       Yes         No       Depth (inches):	-									Hydric Soil Present	2 Yes 🔿 No 🖲	I	
Remarks:         no hydric soil indicators         Wetland Hydrology Indicators:         Primary Indicators (any one is sufficient)         Image: Secondary Indicators:         Primary Indicators (any one is sufficient)         Image: Secondary Indicators:         Primary Indicators (any one is sufficient)         Image: Secondary Indicators:         Primary Indicators (any one is sufficient)         Image: Secondary Indicators (B10)         High Water Table (A2)         Saturation (A3)         Image: Secondary Indicators (B10)         Image: Hydrogen Sufficient)         Image: Secondary Indicators (B10)         Image: Secondary Indicators (S10)         Image: Secondary Indicators (S10)         Image: Secondary Indicators (S10)         Image: Secondary Indicators (S10)         Image: Secondary Indicatory		nes):								Ilyane ben i resent		l	
no hydric soil indicators          HYDROLOGY         Wetland Hydrology Indicators:       Secondary Indicators (two or more are required)		,							1				
HYDROLOGY         Wetland Hydrology Indicators:       Secondary Indicators (two or more are required)         Primary Indicators (any one is sufficient)       Water Stained Leaves (B9)         High Water (A1)       Inundation Visible on Aerial Imagery (B7)       Drainage Patterns (B10)         High Water Table (A2)       Sparsely Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (G3)         Saturation (A3)       Mari Deposits (B15)       Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Salt Deposits (C5)         Sediment Deposits (B2)       Dry-Season Water Table (C2)       Stunted or Stressed Plants (D1)         Inft Deposits (B3)       Other (Explain in Remarks)       Geomorphic Position (D2)         Sufface Soil Cracks (B6)       Witcrotopographic Relief (D4)       FAC-neutral Test (D5)         Field Observations:       Seature Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Saturation Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Saturation Present?       Yes       No       Depth (inches):       Depth (inches):       Depth (inches):       No		ndicators										I	
Wetland Hydrology Indicators:       Secondary Indicators (two or more are required)         Primary Indicators (any one is sufficient)       Inundation Visible on Aerial Imagery (B7)       Drainage Patterns (B10)         High Water Table (A2)       Sparsely Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (C3)         Saturation (A3)       Mari Deposits (B15)       Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Sait 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)         Algal Mat or Crust (B4)       Shallow Aquitard (D3)       ✓ Microtopographic Relief (D4)         Surface Sulf Cracks (B6)       Vettand Hydrology Present?       Yes       No         Field Observations:       Saturation Present?       Yes       No       Depth (inches)::         Saturation Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:       If available:	no nyune so	luicators										I	
Wetland Hydrology Indicators:       Secondary Indicators (two or more are required)         Primary Indicators (any one is sufficient)       Inundation Visible on Aerial Imagery (B7)       Drainage Patterns (B10)         High Water Table (A2)       Sparsely Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (C3)         Saturation (A3)       Mari Deposits (B15)       Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Sait 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)         Algal Mat or Crust (B4)       Shallow Aquitard (D3)       ✓ Microtopographic Relief (D4)         Surface Sulf Cracks (B6)       Vettand Hydrology Present?       Yes       No         Field Observations:       Saturation Present?       Yes       No       Depth (inches)::         Saturation Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:       If available:												İ	
Wetland Hydrology Indicators:       Secondary Indicators (two or more are required)         Primary Indicators (any one is sufficient)       Inundation Visible on Aerial Imagery (B7)       Drainage Patterns (B10)         High Water Table (A2)       Sparsely Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (C3)         Saturation (A3)       Mari Deposits (B15)       Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       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)         Algal Mat or Crust (B4)       Shallow Aquitard (D3)       ✓ Microtopographic Relief (D4)         Surface Soil Cracks (B6)       Vetland Hydrology Present?       Yes       No         Field Observations:       Saturation Present?       Yes       No       Depth (inches)::         Saturation Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:       If available:													
Wetland Hydrology Indicators:       Secondary Indicators (two or more are required)         Primary Indicators (any one is sufficient)       Inundation Visible on Aerial Imagery (B7)       Drainage Patterns (B10)         High Water Table (A2)       Sparsely Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (C3)         Saturation (A3)       Mari Deposits (B15)       Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       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)         Algal Mat or Crust (B4)       Shallow Aquitard (D3)       ✓ Microtopographic Relief (D4)         Surface Sulf Cracks (B6)       Vetland Hydrology Present?       Yes       No         Field Observations:       Saturation Present?       Yes       No       Depth (inches)::         Saturation Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:       If available:		CV.											
Primary Indicators (any one is sufficient)       Inundation Visible on Aerial Imagery (B7)       Drainage Patterns (B10)         High Water Table (A2)       Sparsely Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (C3)         Saturation (A3)       Marl Deposits (B15)       Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       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)         Algal Mat or Crust (B4)       Shallow Aquitard (D3)       Microtopographic Relief (D4)         Surface Soil Cracks (B6)       Depth (inches):       Wetland Hydrology Present?       Yes       No         Saturation Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Cocker Applications       Seconded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:			tors:							Secondary Indi	cators (two or more are require	ed)	
Surface Water (A1)       Inundation Visible on Aerial Imagery (B7)       Drainage Patterns (B10)         High Water Table (A2)       Sparsely Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (C3)         Saturation (A3)       Marl Deposits (B15)       Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       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)         Algal Mat or Crust (B4)       Shallow Aquitard (D3)       Microtopographic Relief (D4)         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):         Saturation Present?       Yes       No       Depth (inches):         Depth Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Meranal Hydrology Present?       Yes       No         Remarks:       Kernards       Depth (inches):       Meranal Hydrology Present?       Yes       No       No		27		r)								<u>:u</u>	
□       High Water Table (A2)       □       Sparsely Vegetated Concave Surface (B8)       □       Oxidized Rhizospheres along Living Roots (C3)         □       Saturation (A3)       □       Marl Deposits (B15)       □       Presence of Reduced Iron (C4)         □       Water Marks (B1)       □       Hydrogen Sulfide Odor (C1)       □       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)         □       Algal Mat or Crust (B4)       □       Shallow Aquitard (D3)       □       Microtopographic Relief (D4)         □       Surface Soil Cracks (B6)       ✓       Microtopographic Relief (D4)       ✓       Microtopographic Relief (D4)         □       Surface Water Present?       Yes<						undation V	isible on A	erial Image	erv (R7)				
□ Saturation (A3)       □ Marl Deposits (B15)       □ Presence of Reduced Iron (C4)         □ Water Marks (B1)       □ Hydrogen Sulfide Odor (C1)       □ Satt 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)         □ 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          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:       Image: Market Stressent Stressen		. ,						-					
Water Marks (B1) Hydrogen Sulfide Odor (C1) 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)   Algal Mat or Crust (B4) Shallow Aquitard (D3)   Iron Deposits (B5) Microtopographic Relief (D4)   Surface Soil Cracks (B6) Yes No ●   Pepth (inches):   Water Table Present? Yes No ●   Ves No ● Depth (inches):   Saturation Present? Yes No ●   Iron Deposito Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:   Remarks:												()	
Sediment Deposits (B2) Dry-Season Water Table (C2) ✓ Stunted or Stressed Plants (D1)   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):   Saturation Present? Yes No  Depth (inches):   Depth (inches):   Depth (inches):   Becorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	_	. ,						(C1)			( )		
□ 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<										Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4) Shallow Aquitard (D3)   Iron Deposits (B5) Microtopographic Relief (D4)   Surface Soil Cracks (B6) FAC-neutral Test (D5)     Field Observations: Yes   Surface Water Present? Yes   Yes No   Depth (inches):   Saturation Present? Yes   Yes No   Depth (inches):   Saturation Present?   Yes No   Depth (inches):   Saturation Present?   Yes   No   Depth (inches):   Saturation Present?   Yes   No   Depth (inches):   Remarks:											. ,		
□       Surface Soil Cracks (B6)       ✓ FAC-neutral Test (D5)         Field Observations:       Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Saturation Present?       Yes       No       Depth (inches):       Depth (inches):       No       No         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:       Kemarks:       Kemarks:	🗌 Algal Mat	or Crust (B4)											
Field Observations:       Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Saturation Present? (includes capillary fringe)       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:       Ves	Iron Depo	osits (B5)								Microtopographic Relief (D4)			
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): Depth (inches): Depth (inches):   Bescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Surface S	oil Cracks (B6)								✓ FAC-neutra	l Test (D5)		
Water Table Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Saturation Present? (includes capillary fringe)       Yes       No       Depth (inches):       Wetland Hydrology Present?       Yes       No         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:       Ves       Ves <td< td=""><td>Field Observa</td><td>ations:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Field Observa	ations:											
Saturation Present? (includes capillary fringe)       Yes       No       Depth (inches):         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:	Surface Wate	r Present?	Yes $\subseteq$	) No 🖲	De	epth (inche	s):						
Saturation Present? (includes capillary fringe)       Yes       No       Depth (inches):         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:	Water Table F	Present?	Yes C	) No 🖲	D	epth (inche	s):		Wetlar	nd Hydrology Presen	t? Yes $ullet$ No $igcap$		
Remarks:			Yes C	) No 🖲									
	Describe Recor	ded Data (strea	am gauge,	monitor we	ell, aerial p	hotos, prev	ious inspe	ection) if av	ailable:				
no hydrology indicators	Remarks:												
	no hydrology i	ndicators											