	Clean Water Services File Number
	20-001292
Sensitive Areas (Certification Form
1. Property Information (example 1S234AB01400) Tax lot ID(s): <u>2S133BB00100</u> and 2S1330000400	2. Owner Information Name: Tim Kerr Company: Woodburn Industrial Capital Group
	_ Address: PO Box 1060
City State Zip: Sherwood OR 97140	_ City, State, Zip: <u>woodbarn</u> , ON, 97071
Nearest Cross Street: SW Oregon Street	F_Mail: tkerr@kerrcontractors.com
 3. Development Activity (check all that apply) Addition to Single Family Residence (rooms, deck, garage) Lot Line Adjustment Minor Land Partition Residential Condominium Commercial Condominiun Residential Subdivision Commercial Subdivision Single Lot Commercial Multi Lot Commercial Other 	4. Applicant Information Name: Tim Kerr Company: Kerr Contractors Address: 395 Shenandoah Ln. NE City, State, Zip: Woodburn, OR 97071 Phone/Fax: 971-235-5003 E-Mail: tkerr@kerrcontractors.com
5. Check any of the following that apply to this project.	6. Applicant Information
	Name: K. Sanderford
Adds less than 500 square leet of impervious surface.	Company: Environmental Science & Assessment, LLC
Does not encroach closer to the Sensitive Area than exist	Address: 4831 NE Fremont Street, Suite 2B
ing development on the property.	City State Zin: Portland, OR 97213
Is not located on a slope greater than 25%.	Bhono/Eax: 503-478-0424
7. Will the project involve any off-site work? ☐ Yes ☑ No If yes, location and description of off-site work	Unknown <i>(check appropriate box)</i>
8 Additional comments or information that may be needed	to understand your project
o. Additional comments of mormation that may be needed	
2550 SW Hillsboro Highway Hillsboro, Oregon 97123	
Phone: 503.681.3600 Fax: 503.681.3603 cleanwaterse	vices.org CleanWater W Services

			Clean Water Services File Number				
Se	ensitive Areas Certification Form (cont	inued)	20-001292				
9.	An on-site, water quality sensitive area reconnaissance	was completed on:	Company				
	Date By Inte	National Technician (Frui	Company				
	5/26/20 K. Sanderford, E. Dalton Vietland Scientist,	vetiand reconician Envi	ronmental Science & Assessment				
40		· · · · · ·					
10.	Existence of water Quality Sensitive Areas (check all ap)	propriate boxes)					
	As defined in the Districts Design and Construction Standard						
	A. Water-quality-sensitive areas do 7 do not exist on	the tax lot.					
	B. vvater-quality-sensitive areas [7]do []do not exist wit	nin 200 on adjacent proper					
	adjacent property.						
	C. vegetated controls do (SP) V						
	D. vegetated condors vegetated corridors will be applied and the exist within 200 office an	adjacent properties, or	to Variate adjacent property.				
	E. Impacts to sensitive areas and/or vegetated comports will						
		lei					
11.	Simplified Site Assessment containing the following info	ormation: (check only items	s submitted).				
	Please refer to Design and Construction Standards 17-05 se	ction 3.02.2 for application	requirements.				
	Complete Certification Form (2 pages)						
	✓ Written description of the site and proposed activity.						
	Site plan of the entire property.						
	Photographs of the site labeled and keyed to the site pla	n.					
	ъ.		· · · · ·				
12.	Standard Site Assessment containing the following info	mation: (check only items	submitted).				
	Please refer to Design and Construction Standards 17-05 se	ction 3.02.2 for application	requirements.				
	Complete Certification Form (2 pages)	de 17.05 es etien 2.12.2 h	4				
	Wetland Date shoets	ds 17-05 section 3.13.3 D.	I				
By s	signing this form the Owner, or Owner's authorized agent	or representative, acknow	ledges and agrees that employees				
proj	ect site conditions and gathering information related to t	ne project site.	for the purpose of hispecting				
l ce	tify that I am familiar with the information contained in th	is document, and to the b	est of my knowledge and belief,				
this	information is true, complete, and accurate.						
Арр	licant:						
K. :	Sanderford	Wetland Scientist					
Prin	/Type Name	Print/Type Title					
~	Fin Declar	5/29/2020					
Sigr	ature	Date					
			New				
255	0 SW Hillshoro Highway Hillshoro Oregon 97123						
Pho	one: 503.681.3600 Fax: 50 <u>3.681.3603 cleanwaterser</u>	vices.org	CleanWater W Services				

Revised 6/17



Environmental Science & Assessment, LLC

MEMORANDUM

DATE:	May 29, 2020
TO:	Clean Water Services – Environmental Review
Cc:	Tim Kerr – Kerr Contractors
FROM:	Environmental Science & Assessment, LLC
RE:	Simplified Site Assessment – Kerr – Tonquin Road (TL 2S133BB00100 & 2S1330000400)

Environmental Science & Assessment, LLC (ES&A) conducted a site evaluation for a Clean Water Services (CWS) site certification on a 28.17-acre site southeast of the intersection of SW Oregon Street and SW Tonquin Road in Washington County, Oregon (Figure 1). The project area includes two tax lots located west of SW Tonquin Road (Tax Lot 2S133BB00100 & 2S1330000400).

This memorandum and attachments are submitted for use in documenting the presence or absence of Sensitive Areas (SAs) and their associated Vegetated Corridors (VCs) on or surrounding the project site to obtain a service provider letter (SPL) for the proposed development.

Field data was collected, and the entire site was investigated for wetland conditions; no wetland conditions were present within the site. During a previous site investigation for a Significant Natural Resource report submitted to Washington County, however, a wetland area was identified off-site on the lot to the south, approximately 1,000 feet south of the site boundary.

The immediate site development will involve mass grading with the long term site proposed for commercial development including several gravel yards and 4 future buildings with a gravel access road from Tonquin Road onto the western-most lot (TL 2S133BB00100). The gravel road would then extend to the eastern lot (TL 2S1330000400) (Figure 4).

This memorandum includes the following attachments:

Attachment A:	Figures
Attachment B:	Site photographs
Attachment C:	Wetland Determination Data Forms

METHODOLOGY

The primary guidance document for this report is the *Design and Construction Standards for Sanitary Sewer and Surface Water Management* (Resolution and Order 19-22; Clean Water Services, 2019), which provides the methodology for assessing the presence and extent of Sensitive Areas at the development site and within 200 feet of the site, and the required VCs adjacent to them.

Two levels of investigation were used to evaluate the presence of Sensitive Areas. The first level included a review of existing available background data and maps. The second level consisted of an onsite evaluation.

Reviewed background data included the following information:

- Aerial Photography and Topography (Metro Data Resource Center's MetroMap, 2020);
- City of Sherwood Local Wetland Inventory (1992);
- Web Soil Survey of Washington County, Oregon (Natural Resource Conservation Service [NRCS], 2019).
- U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) Map Washington County, OR area (Wetlands Mapper, 2019)

ES&A conducted the site evaluation on May 26, 2020. The investigation focused on the subject tax lots and relevant field data was collected to determine the presence or absence of SAs. The surrounding areas, including the tax lot to the south where wetland was previously mapped as well as Rock Creek to the west, were investigated for possible connectivity to any onsite resources. One Data plot (DP-1) was taken at the topographic low point onsite to verify the absence of wetlands. The wetland determination data was collected using the methodology provided in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version* 2.0) (USACE, 2010).

The Sensitive Area boundaries and the data plot locations were surveyed using a Trimble Geo XH hand held GPS unit; the accuracy is estimated to be \pm two feet. A base map showing topography, roads, structures, and tax lot boundaries was provided by DOWL.

SITE DESCRIPTION

The project site is bordered on the west by SW Tonquin Road, southeast of the intersection with SW Oregon Street (Figure 1). An extensive emergent and forest wetland complex along Rock Creek is located west of SW Tonquin (Figure 2). No structures are present within the project area currently, but extensive excavation and material storage and logging has taken place (Photos 1-6), which

has altered the historic vegetative cover, as shown in Figure 2 aerial imagery. On TL 100, the topography slopes down from the east to the west up to steeply sloped area along the edge of the SW Tonquin Road right-of-way. TL 400 generally slopes west with the highest topography on the east end and a broad flatter area in the middle of the lot (Figure 3).

Much of the site is bare ground and gravel where vegetation has been removed and dirt roads constructed. The vegetated areas are primarily weedy grasses including Soft Brome (*Bromus hordeaceus*), Tall Fescue (*Schedonorus arundinacea*), and Velvet Grass (*Holcus lanatus*) with little to no canopy cover, and other common weedy species such as Oxeye Daisy (*Leucanthemum vulgare*) and Common Mullein (*Verbascum thapsus*) throughout (Photo 7). The western site boundary along SW Tonquin Road, above the steep drop to the road, has native shrubs and several large trees including Tall Oregon Grape (*Mahonia aquifolium*), Serviceberry (*Amelanchier alnifolia*), Big Leaf Maple (*Acer macrophyllum*), and Oregon White Oak (*Quercus garryana*) (Photo 8, DP-1). The base of the steep slope is dominated by Reed Canary Grass and Himalayan Blackberry along the road within the road Right of Way (Photo 9).

Soil survey mapping indicates 3 soil types mapped onsite. Starting in the northern end of TL 100, the soil is mapped as the non-hydric Briedwell stony silt loam, 0 to 7 percent slopes (Map Unit 5B, Rating 0). Moving south along the northern portion of TL 400, the soil type is mapped as the non-hydric Laurelwood silt loam, 3 to 7 percent slopes (Map Unit 28B, Rating 0). The remainder of the site is mapped as the non-hydric Xerochrepts-Rock outcrop complex (Map Unit 47D, Rating 0). The nearest wetland soils are located west of the site along Rock Creek, where the soil is mapped as the hydric Cove silty clay loam (NRCS, Web Soil Survey, 2018). This area follows the lower topography along the stream corridor, west of Tonquin Road, and does not extend onto the site.

The NWI and MetroMap do not map any wetland resources onsite. The site is not located within an LWI study area.

OFFSITE SENSITIVE AREA AND VC

Rock Creek, a perennial tributary to the Tualatin River, flows west of the site along SW Tonquin Road surrounded by emergent and forested wetland areas. The Rock Creek channel is approximately 100-300 feet west of the western boundary of the study area and is separated by the physical barrier of SW Tonquin Road. There would be no impacts to these Sensitive Areas and their associated Vegetated Corridors (VC) because SW Tonquin Road is a paved twolane road with consistent traffic flow.

There is a previously mapped 14,214 SF wetland in the adjacent southern tax lot, approximately 1000-feet south of the southern study area boundary mapped in December 2018 as part of a Significant Natural Resource review ES&A

conducted for the same client. There will be no impacts to this Sensitive Area or its associated VC.

Based on Clean Water Services requirements, Section 3.03.1, Table 3-1 of R&O 19-22, the VC boundary for Rock Creek and the wetlands surrounding it, as well as the small wetland area to the south, extends 50 feet from the Sensitive Area boundaries since no adjacent slopes exceed 25 percent. Slopes for the corridors were determined using MetroMap and field observations. The VC associated with Rock Creek and all nearby wetlands do not encroach into the study area (Figure 3).

SITE PLAN

The proposed commercial development includes several gravel yards and 4 future buildings and a gravel access road from Tonquin Road onto the westernmost lot (TL 2S133BB00100) from SW Tonquin Road. The gravel road would then extend to the eastern lot (TL 2S1330000400). Stormwater treatment is provided by rain garden swales along the western end of site (Figure 4).

CONCLUSION

No Sensitive Areas were identified on site, and the 50-foot buffers associated with Rock Creek and surrounding wetlands do not extend into the study area. The proposed development at tax lots 2S133BB00100 and 2S1330000400 shown in Figure 4 of this report will not impact any Sensitive Areas or associated Vegetated Corridors.

REFERENCES

- Clean Water Services, 2020. Design and Construction Standards for Sanitary Sewer and Surface Water Management. R&O 19-5 as revised by R&O 19-22.
- MetroMap, 2020. Metro Data Resource Center's MetroMap. Available online at: <u>https://gis.oregonmetro.gov/metromap/</u>.
- Natural Resources Conservation Service, United Stated Department of Agriculture. Web Soil Survey. Available online at: <u>http://websoilsurvey.nrcs.usda.gov/</u>. Accessed May 2020.
- U.S. Army Corps of Engineers (USACE). 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0), ed. J.S. Wakeley, R. W. Lichvar, and C.V. Noble. ERDC/EL TR-10-3. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

ATTACHMENT A: FIGURES



Source: Metro Data Resource Center. http://gis.oregonmetro.gov/metromap/











\22\14483-01\65CAD\Civil_CD\SC-CS-GR-14483.dwg PLOT DATE 2020-5-28 17:26 SAVED DATE 2019-07-09 15:20 USER: mtowl

ATTACHMENT B: SITE PHOTOGRAPHS



Photo 1: TL 100 view west along rock pit. Imagery date: December 2018



Photo 2: TL 100 view northwest of excavated pit. Imagery date: December 2018



Photo 3: View west of north end off site and off-site wetland along SW Tonquin Road. Imagery date: December 2018



Photo 4: View northwest along steep slope within County mapped riparian habitat. Imagery date: December 2018



Photo 5: View east of north end of site. Imagery date: December 2018



Photo 6: View south of south end - note recent logging and site grubbing. Imagery date: December 2018



<image>



Photo 7: View northwest showing typical vegetation onsite Imagery date: May 2020

Photo 8: View from DP-1 at low point onsite, showing shrub edge along road Imagery date: May 2020

Photo 9: View south along western site edge Imagery date: May 2020 ATTACHMENT C: WETLAND DETERMINATION DATA FORM

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Kerr - Tonquin	City/County:	Washington		Sampling Date: 5/26/2020
Applicant/Owner: Tim Kerr - Kerr Contractors		State:	OR	Sampling Point: DP-1
Investigator(s): K. Sanderford, E. Dalton	Section, Tow	nship, Range: <u>T2S R1</u>	W S33	
Landform (hillslope, terrace, etc.): hillslope	Local relief (concave, convex, none)	<u>r none</u>	Slope (%): <u>10%</u>
Subregion (LRR): A-Northwest Forests and Coasts Lat: 45	i.35672°	Long: <u>122</u> .	82056°	Datum: NAD 1983
Soil Map Unit Name: Xerochrepts-Rock outcrop complex, map	unit 47D, rati	ing 0 N	WI classific	ation: <u>n/a</u>
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes <u>X</u>	No (If no,	explain in R	emarks.)
Are Vegetation, Soil, or Hydrology significantly	y disturbed?	Are "Normal Circu	mstances" p	oresent? Yes X No
Are Vegetation, Soil, or Hydrology naturally pro	oblematic?	(If needed, explain	any answei	rs in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland?	Yes	No <u>×</u>
Remarks:					

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30' diameter</u>)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4.				
		= Total Co	ver	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: <u>30' diameter</u>)		10101-00		
1. Mahonia aquifolium	40	Υ	FACU	Prevalence Index worksheet:
2 Toxicodendron diversilobum	15		FAC	Total % Cover of: Multiply by:
3 Rosa pisocarpa	10		FAC	OBL species x 1 =
∠ Corvlus cornuta	10		FACU	FACW species x 2 =
 Oemleria cerasiformis 	10		FACU	FAC species x 3 =
			17.00	FACU species x 4 =
Herb Stratum (Plot size: 5' diameter)	- 00		ver	UPL species x 5 =
1. Holcus lanatus	30	Y	FAC	Column Totals: (A) (B)
2 Bromus bordeaceus	30	V	FACU	
2. Vicia sativa	30			Prevalence Index = B/A =
			UFL	Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9.				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				¹ Indicators of hydric soil and wetland hydrology must
····		- Total Car		be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)	MI I			
	90	- 10101 00		
1	90	<u>- 10tal 00</u>		Undrankstin
12				Hydrophytic Vegetation
12	 	- Total Co		Hydrophytic Vegetation Present? Yes No _X
1 2 % Bare Ground in Herb Stratum		= Total Co	 ver	Hydrophytic Vegetation Present? Yes <u>No ×</u>
1 2 % Bare Ground in Herb Stratum Remarks:		= Total Co	 /er	Hydrophytic Vegetation Present? Yes No _X
1 2 % Bare Ground in Herb Stratum Remarks:		= Total Co	ver	Hydrophytic Vegetation Present? Yes No _X

SOIL

Depth	Matrix		Redox Features	_			
(inches)	Color (moist)	<u>%</u>	Color (moist) % Type' Loc ²	Text	ure Remarks		
0-12"	7.5 YR 2.5/3	100			1-4" diameter rocks make up 25% of top		
/pe: C=C	concentration, D=Deple	etion, RM=Re	educed Matrix, CS=Covered or Coated Sand	Grains.	² Location: PL=Pore Lining, M=Matrix.		
aric Soli	Indicators: (Applica	ble to all LR	Rs, unless otherwise noted.)	In	dicators for Problematic Hydric Solls :		
_ Histoso	I (A1)	_	_ Sandy Redox (S5)	—	_ 2 cm Muck (A10)		
Black H	pipedon (AZ) $(A3)$		Stripped Matrix (S6)	<u> </u>	_ Red Parent Material (TF2)		
Hydrog	$\frac{1500}{200} (A3)$		Loamy Gleved Matrix (F2)	<u> </u>	Other (Explain in Remarks)		
Denlete	d Below Dark Surface	· (A11)	Depleted Matrix (F3)				
Thick D	ark Surface (A12)		Redox Dark Surface (F6)	³ Ir	ndicators of hydrophytic vegetation and		
Sandy I	Mucky Mineral (S1)		Depleted Dark Surface (F7)		wetland hydrology must be present.		
Sandy Gleved Matrix (S4) Redox Depressions (F8)					unless disturbed or problematic.		
estrictive	Layer (if present):				·		
Type: ro	cks						
Depth (in	iches): <u>12"</u>		_ _	Hydri	c Soil Present? Yes No		
emarks:				1			
DROLC	IGY						
	drology Indicators:						
etland Hy							
etland Hy imary Indi	cators (minimum of or	<u>ne required; c</u>	heck all that apply)		Secondary Indicators (2 or more required)		
etland Hy imary Indi Surface	cators (minimum of or Water (A1)	<u>ne required; c</u>	heck all that apply) Water-Stained Leaves (B9) (except		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1,		
etland Hy imary Indi _ Surface _ High W	cators (minimum of or Water (A1) ater Table (A2)	<u>ne required; c</u>	heck all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)		
etland Hy imary Indi Surface High W Saturati	cators (minimum of or Water (A1) ater Table (A2) on (A3)	<u>ne required; c</u>	<pre>heck all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)</pre>		 Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) 		
etland Hy imary Indi _ Surface _ High W _ Saturati Water M	cators (minimum of or Water (A1) ater Table (A2) on (A3) /larks (B1)	<u>ne required; c</u>	<u>heck all that apply</u> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)		
etland Hy imary Indi _ Surface _ High W _ Saturati _ Water N Sedime	cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)	<u>ne required; c</u>	<u>heck all that apply</u> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
etland Hy imary Indi _ Surface _ High W _ Saturati _ Water M _ Sedime Drift De	cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)	<u>ne required; c</u>	:heck all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F	Roots (C3)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2)		
etland Hy imary Indi Surface High W Saturati Water N Sedime Drift De Algal M	cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	<u>ne required; c</u>	:heck all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4)	Roots (C3)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3)		
rimary Indi Surface High W Saturati Water N Sedime Drift De Algal M Iron De	cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	<u>ne required; c</u>	<u>heck all that apply</u> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Roots (C3)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)		
Vetland Hy rimary Indi Surface High W Saturati Water N Sedime Drift De Algal M Iron De Surface	cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	<u>ne required; c</u>	<u>heck all that apply</u> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF	Roots (C3) (C6) R A)	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA 1 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)		

Sparsely Vegetated Concave Surface (B8)							
Field Observations:							
Surface Water Present?	Yes	No 🖌 Depth	(inches):				
Water Table Present?	Yes	No 🖌 Depth	(inches):				
Saturation Present? (includes capillary fringe)	Yes	No 🖌 Depth	(inches):	Wetland Hydrology Present?	Yes No _X		
Describe Recorded Data (str	eam gauge,	monitoring well, aeri	al photos, previous inspec	tions), if available:			
Remarks:							