Aquatic Resources Investigation Report:

Survey Name: Humboldt County APN 505-121-031

Survey Dates: January 31st, February 6th, and February 21st, 2019

Prepared for

Open Door Community Health Centers

Arcata, Ca 95521

Contact: Project Manager Laura Kadlecik

Tel: (707) 826-8633 x 5165

Prepared by

Claire Brown

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Natural Resources Management Corporation

1434 Third Street, Eureka, CA 95501

(707) 442-1735



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Summary

On behalf of Open Door Health, a property owner, Claire Brown of Natural Resources Management Corporation conducted an investigation of aquatic resources and wetland delineation on Humboldt County APN 505-121-031 on January 31st, February 6th, and February 21st, 2019. Supplemental hydrological investigations were conducted on February 14th and March 8th, 2019. The nature of this investigation was a survey of the potential presence of jurisdictional Waters of the United States on the parcel and the potential presence of two-parameter wetlands protected under City of Arcata Land Use Code. Therefore, the primary investigation was conducted in full accordance with the 1987 *Corps of Engineers Wetland Delineation Manual* (USACE 1987) and the 2010 *Regional Supplement: Western Mountains, Valleys and Coast Region* (Version 2.0) (USACE 2010). However, a survey of potential two-parameter wetlands was also conducted, including an assessment of the prevalence of wetland indicator vegetation (hydrophytic vegetation) and visual hydrological evidence (such as the presence of surface water or soil saturation).

A total of approximately 1.936 acres were surveyed during the investigation. A total of approximately 0.0267 acres of potential jurisdictional Waters were identified, including 0.267 acres of Seasonally Saturated Nontidal Palustrine Broad-leaved Deciduous Scrub-Shrub Wetland (PSS1B) (Cowardin et. al 1977). This total acreage occurs over two areas, separated by approximately 25 feet. The northern feature is approximately 0.0143 acres in size, and the southern feature is 0.0124 acres. See Table 1 and Figures 3-5. No two-parameter wetlands were identified.

Table 1. Total Resource Acreage by Feature Within Study Area.

Aquatic Resource Name	Cowardin Name	Cowardin Code	Size (Acres)	Aquatic Resource Location (NAD83 Zone 10)
Northern	Seasonally Saturated Nontidal	PSS1B	0.0143	40.87977N, 124.08675W
Feature	Palustrine Broad-leaved			
	Deciduous Scrub-Shrub			
	Wetland			
Southern	Seasonally Saturated Nontidal	PSS1B	0.0124	40.87991N ,124.08674W
Feature	Palustrine Broad-leaved			
	Deciduous Scrub-Shrub			
	Wetland			
	Total Acreage	I	0.0267	1

1.0 Introduction

The Study Area covers an approximately 1.936-acre area including one parcel: Humboldt County APN 505-121-031. The purpose of this report is to identify and describe potential aquatic resources, to document aquatic resource boundary determinations for review by regulatory authorities and provide background information. The applicant and property owner is:

Open Door Community Health Centers
670 9th Street, Suite 203
Arcata, Ca 95521

Contact: Project Manager Laura Kadlecik

Tel: (707) 826-8633 x 5165

Cell: (707) 407-5192

2.0 Location

The Study Area is in Arcata, California, a city in Humboldt County. The site is an undeveloped lot accessed from the intersection of Foster Avenue and Sunset Avenue. The Study Area lies within the Humboldt Bay Watershed (HUC 12:180101020605). The legal description of the Study Area is T06N R01E Section 29, HB&M within the 7.5' USGS Arcata North quadrangle. The site can be reached by taking exit 714b from Highway 101 North, heading west on Sunset Ave, continuing for 0.21 miles to the Sunset Ave roundabout, continuing another 300 feet west on Sunset Ave and parking near the intersection of Sunset and Ross St. The site is immediately to the south of this intersection. See Figures 1 and 2.

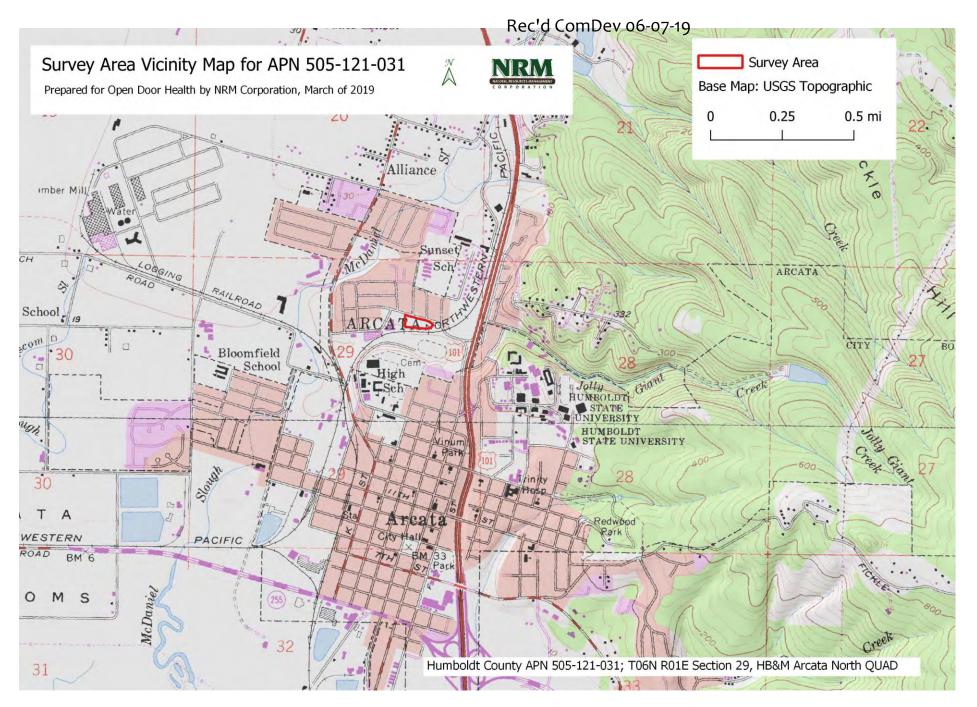


Figure 1. Study Area Vicinity Map, on USGS 7.5' Quadrangle Arcata North.



Figure 2. Study Area Overview Map.

3.0 Methods

3.1 Overview

The survey was conducted using two methods of investigation. The primary method utilized three-parameter plot investigations, conducted in accordance with the USACE 1987 Manual and the 2010 Regional Supplement (USACE 1987; 2010). The secondary method was a two-parameter assessment of the prevalence of wetland indicator vegetation (hydrophytic vegetation) and hydrological evidence (such as the presence of surface water or soil saturation). Two partial plots were established as part of the two-parameter investigation, but a visual two-parameter investigation was also generally applied to the Survey Area. No portion of the Study Area is classified as Wetland or Deepwater habitat by the U.S. Fish and Wildlife Service National Wetland Inventory (NWI) (USFWS 2019). The western portion of the Survey Area was included in a wetland delineation report completed by David Loya of NRM in 2008.

Freshwater and Deepwater habitat nomenclature conform to *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979). Plant nomenclature conforms to *The Jepson Manual, 2nd Edition* (Baldwin et. al 2012).

3.2 Three - Parameter Plot Investigation:

3.2.1 Overview

The three-parameter USACE method identifies a jurisdictional wetland (Waters of the United States) based on the presence of three wetland indicators: dominance of hydrophytes (plants adapted to anaerobic conditions resulting from a prolonged inundation with water), hydric soils (reduced soils resulting from a prolonged inundation with water), and wetland hydrology. Per Section 404 of the federal Clean Water Act, USACE is charged with regulating project activities that propose to dredge or fill a wetland resource or other Waters of the United States. Standard USACE data forms for routine wetland determinations were completed for each sampling point and are attached in Appendix C.

A total of 23 plots (including 2 partial plots) were subjectively established within the Study Area. Plots 1A - 4A were surveyed on January 31st, Plots 1B-6B were surveyed on February 6th, and Plots 1C-13C were surveyed on February 21st, 2019. Supplemental visual hydrological investigations were conducted on February 14th and March 8th, 2019. The plots were subjectively placed in points representative of elevation, vegetative cover type, and hydrological gradients across the site. See Figures 3-5 (Wetland Delineation Maps) for location details. At each sampling plot, vegetation, hydrology, and soils were examined according to USACE delineation protocols. Abundant plots were needed due to complex topography attributed to severe site alteration. The entirety of the Survey Area has historically been severely impacted by activities associated with an adjacent lumber mill, fill placement, parking, and encroachment by invasive plants (see 4.1.2 Land Use History below).

3.2.2 Vegetation analysis

Dominant plant species were recorded at each sampling point and each species was assigned an indicator status using The National Wetlands Plant List – Western Mountains, Valleys & Coast (Lichvar et al., 2016). The indicator status assigned to a species designates the probability of that species occurring in a wetland, and are defined as follows:

- OBL= Obligate, almost always is a hydrophyte, rarely in uplands.
- FACW= Facultative Wetland, usually is a hydrophyte but occasionally found in uplands.
- FAC=Facultative, commonly occurs as either a hydrophyte or non-hydrophyte.
- FACU= Facultative Upland, occasionally is a hydrophyte, but usually occurs in uplands.
- UPL=Upland, rarely is a hydrophyte, almost always in uplands.

Species with a wetland indicator of OBL, FACW, and FAC are typically adapted for life in a wetland. Thus, species with these indicators were used in this wetland determination to decide whether a prevalence of hydrophytic vegetation existed at each sampling point.

3.2.3 Hydrology Analysis

Presence of wetland hydrological primary and/or secondary indicators, as listed in the USACE 1987 Wetland Delineation Manual and the 2010 Regional Supplement for Western Mountains, Valleys and Coast Region (Version 2.0), was noted at each sampling point (USACE, 1987; 2010). Factors influencing wetland hydrology include the frequency, duration, and seasonality of inundation and/or saturation. Primary field indicators of wetland hydrology include visual observation of inundation, saturation within the upper 12 inches of soil, observation of water marks, drift lines, or sediment deposits, and observation of oxidized root-hair channels with living roots still present in the upper 12 inches of soil. Secondary indicators of wetland hydrology include factors such as geomorphic position and the FAC-neutral test (i.e., dropping species rated as FAC from the vegetation analysis). One primary indicator or two secondary indicators must be present at a sampling point for the hydrology to be considered wetland (USACE, 2010).

3.2.4 Soils Analysis

A soil pit was dug at each sampling point to a minimum depth of 18 to 22 inches. In each pit, distinct soil layers were noted and measured, and soil texture and color were analyzed. Soil matrix colors and mottle colors were compared to the Munsell soil color chart (2017 edition) for color appearance (hue), strength (chroma), and lightness (value). Soils were considered hydric if they displayed any of the primary indicators listed in the USACE 2010 Regional Supplement for Western Mountains, Valleys and Coast Region (Version 2.0) and on the USACE routine data forms. USACE data forms are included in Appendix C.

3.2.5 Mapping

The data collected during the plot investigations were extrapolated over the portion of the Study Area of which they were representative. The boundaries of these areas were marked using a Garmin GPS unit, and the points and track files were used to generate a map in GIS software. However, the dimensions of the mapped features and the distances between them were also measured in the field.

3.3 Two - Parameter Assessment:

3.3.1 Vegetation analysis

Dominant plant species were observed and recorded within the Study Area, and species were assigned an indicator status using *The National Wetlands Plant List – Western Mountains, Valleys & Coast* (Lichvar et al. 2016). The indicator status assigned to a species designates the probability of that species occurring in a wetland, and are defined as follows:

- OBL= Obligate, almost always is a hydrophyte, rarely in uplands.
- FACW= Facultative Wetland, usually is a hydrophyte but occasionally found in uplands.
- FAC=Facultative, commonly occurs as either a hydrophyte or non-hydrophyte.
- FACU= Facultative Upland, occasionally is a hydrophyte, but usually occurs in uplands.
- UPL=Upland, rarely is a hydrophyte, almost always in uplands.

Species with a wetland indicator of OBL, FACW, and FAC are typically adapted for life in a wetland. Thus, species with these indicators were used to assess whether a given area had a prevalence of hydrophytic vegetation.

3.3.2 Hydrological Analysis

Presence of wetland hydrological primary and/or secondary indicators, as listed in the USACE 1987 Wetland Delineation Manual and the 2010 Regional Supplement for Western Mountains, Valleys and Coast Region (Version 2.0), were noted within the Study Area (USACE 1987; 2010). Factors influencing wetland hydrology include the frequency, duration, and seasonality of inundation and/or saturation. Primary field indicators of wetland hydrology include visual observation of inundation, saturation within the upper 12 inches of soil, observation of water marks, drift lines, or sediment deposits, and observation of oxidized root-hair channels with living roots present in the upper 12 inches of soil. Secondary indicators of wetland hydrology include factors such as geomorphic position and the FAC-neutral test (i.e., dropping species rated as FAC from the vegetation analysis). One primary indicator or two secondary indicators must be present at a sampling point for the hydrology to be considered wetland (USACE, 2010). Presence of these indicators was identified and recorded within the Study Area.

4.0 Existing Conditions

4.1 Landscape Setting

4.1.1 Weather and Climate

The survey was conducted between the hours of 10:00 am and 4:00 pm on January 31st, February 6th, and February 21st, 2019, on clear sunny days. The survey was conducted during the winter rainy season. On January 31st, approximately 2 weeks had passed since the site had received significant precipitation (NOAA 2019). The cumulative precipitation received at the Woodley Island NOAA station in Eureka between October 1st, 2018 and January 31st, 2019 was 17 inches. The Station had received an additional 1.61 inches by February 6th and had received another 5.82 inches by February 21st. Table 2 compares 2018 and 2019 precipitation data to predictions of "normal" from NOAA (NOAA 2019).

Table 2. Precipitation Data from the Woodley Island NOAA Station in Eureka CA (NOAA 2019).

Month/Year	Monthly Precipitation	'Normal' Monthly Precipitation (i	
	Totals (in Inches)	Inches) 1988-2010	
October 2018	0.85	2.24	
November 2018	4.94	5.61	
December 2018	4.95	8.12	
January 2019	6.67	6.50	
February 2019	14.43	5.63	

4.1.2 Land Use History

The Survey Area includes one currently vacant and undeveloped parcel in Arcata, California. A 2009 Geologic Report from SHN (Eureka, CA) found that the Study Area was historically leveled via the placement of a significant amount of fill, and the site was heavily used as a log deck and loading area supporting a lumber mill along the old rail line along the southern boundary. The historic landform, prior to filling, was found to be a south-facing low gradient slope above the Jolly Giant Creek drainage. Fill consisting of sand, clays, gravels, and river cobble was placed over most of the site. The fill depth varies from 2 feet at the northern border to over 10 feet at the southern border, with a high concentration of gravels and river cobbles in the upper 2 to 4 feet. The SHN report is available upon request.

The western portion of the Study Area has recently served as a temporary holding site for soils excavated from a construction site on the adjacent property to the west. Several storage containers were also being stored there temporarily.

The area directly to the north of the site is densely developed, mostly with single or multiple family residences. To the south lies sports fields associated with Arcata High School and Shay Park.

4.1.3 Vegetation

The majority of the Study Area is vegetated by non-native weedy grasses and forbs, including Italian ryegrass (*Festuca perennis*, FAC), a bentgrass species (*Agrostis capilaris* c.f., FAC), sweet vernal grass (*Anthoxanthom odoratum*, FACU), and plantain (*Plantago lanceolata*, FACU). Some pennyroyal (*Mentha pulegium*, OBL) and an occasional nutsedge (*Cyperus eragrostis*, FACW) are present scattered across the southern portion of this open area. This vegetation type is associated with what appears to be the most heavily compacted and recently driven-upon portions of the site. The north, south and east perimeters of the site, where soils are apparently less compacted, are vegetated by ruderal scrub vegetation such as coyote brush (*Baccharis pilularis*, UPL), Himalayan blackberry (*Rubus armeniacus*, FAC), wild carrot (*Daucus carota*, FACU) and fennel (*Foeniculum vulgare*, UPL).

The western portion of the study area slopes down to a low point at the southwest corner. This area is dominated by an overstory of Sitka willow (Salix sitchensis, FACW), coastal willow (Salix hookeriana, FACW) and red alder (Alnus rubra, FAC). A dense thicket of elm-leaf blackberry (Rubus ulmifolius, Not Listed) creates an understory to these trees, but also dominates the slope transition up to the main portion of the site. Small (<1 square meter) patches of Pacific rush (Juncus effusus ssp. pacificus, FACW) are found in the lowest-elevation area. An approximately 8-foot wide swath running north-south along the western border had been recently mowed (in association with neighboring construction) and was unvegetated.

4.1.4 Hydrology

The nearest USGS blueline stream is McDaniel Slough, which lies approximately 1000 feet to the north and west of the Survey Area. However, Jolly Giant Creek flows underground below Foster Ave, directly along the southern border of the Survey Area. The site drains to Jolly Giant Creek via storm drains located near Plot 3C and Partial Plot 6B. Jolly giant Creek daylights within Shay Park, and then flows south though the City of Arcata in a patchwork of above and below ground reaches before emptying into Humboldt Bay (Humboldt Baykeeper 2012). No National Wetland Inventory Wetland or Deepwater Habitat were identified within the Survey Area (USFWS 2019).

4.1.5 Geology and Soils

According to a 2009 Geologic report from SHN (Eureka, CA) the Study Area lies upon Pleistocene marine terraces, formed form marine deposits underlain by earlier Falor marine deposits and Franciscan bedrock. As described above, the SHN report finds that most of the site has between 2 and 10 feet of imported fill material over the natural soils. This fill material is composed of gravels, sands, clays and river cobbles. However, natural soils in the area are mapped by the Natural Resources Conservation Service (NRCS) as belonging to Map Unit 105—Timmons and Lepoil soils, 0 to 9 percent slopes. Timmons and Lepoil series are described as well drained soils formed in marine deposits derived from mixed sources. A plot survey in the northwestern portion of the Survey Area (Plot 1A) revealed strata similar to the descriptions of the AB and BT1 horizons of this soil series, indicating that this area has not received the same degree of fill as other portions. The southern border of the Study Area lies directly on the transition from NRCS Map Unit 105 to Map

Unit 127: Jollygiant series. These soils are described as deep, somewhat poorly drained soils on low terraces, alluvial fans, and fan remnants on alluvial plains, with parent materials of mixed alluvium. The soil strata revealed in plot investigations in the southwestern portion of the Study Area are similar to the descriptions of the Bg1-Bg4 horizons of the Jollygiant soil series, potentially indicating upper horizons have been lost via erosion. See Appendix B for NRCS Soils Map.

4.2 Findings: Aquatic Resources

4.2.1 Three-Parameter Investigation

4.2.1.1 Overview

A total of approximately 0.0267 acres of potential jurisdictional waters were identified, including 0.267 acres of Seasonally Saturated Nontidal Palustrine Broad-leaved Deciduous Scrub-Shrub Wetland (PSS1B) (Cowardin et. al 1977). This total acreage occurs over two areas, separated by approximately 25 feet. The northern feature is approximately 0.0143 acres in size, and the southern feature is 0.0124 acres. See Table 1 and Figures 3-5.

Figures 3-5 show the mapped boundaries of these potential jurisdictional features. Boundaries were determined by using plot data to interpret where elevation and hydrologic gradients indicated a change from potential wetland to upland, as vegetation cover was relatively homogenous over this portion of the site. This portion of the Survey Area is within the low point at the southwest corner of the Survey Area. The landform slopes down sharply to this lower area, where the thick layer of historic fill associated with the majority of the Survey Area (See 4.1.2 Land Use History) was seemingly absent, though whether by design or erosion was unclear. However, the lower elevation area itself has a hummocky, complex topography also attributable to the historic placement of fill. This determination (of presence of fill) was made by examination of the upper soil profile, where buried trash, river cobble, bricks etc. were frequently and abundantly encountered down to a depth of almost two feet in "mounded" areas.

The potential wetland features are bisected into northern and southern sections by a mound of this clay-loam fill material and are also bordered by a connected mound on the south-west side. It appears that the soil and hydrological indicators met by the potential wetlands are not met in these fill areas due to the elevation gain achieved by the mounded material. These fill mounds can be assumed to have been present for at least 5 and up to 15 years based on the mature willows (*Salix sp.*) rooted in the western mound, and the mature coyote brush rooted in the central mound. See Photos 2, 3, 12. During the January 31st and February 6th investigations, access into the area was severely limited by a thicket of elmleaf blackberry (*Rubus ulmifolius*, Not Listed). This invasive plant was thoroughly mowed to the ground over most of the site on February 14th to facilitate access, before the migratory bird nesting season designated by the City of Arcata began on February 15th.

An approximately 8-foot wide swath of the western boundary of the survey area was severely and recently disturbed by mowing and earthmoving associated with construction on the adjacent parcel to the west. See Photo 12.

Plots 3A, 4C and 9C define the southern feature, located at the lowest elevation in the Survey Area. Plots 1B, 10C, and 11C define the core area of the northern, higher elevation feature. Plot 5B marginally met the soils, vegetation, and hydrology indicators, defining the upper elevation extent of the northern feature. Plot 1B also meets three parameters and defines a marginal southern finger extension of the northern feature, bounded by the above-described mounds of fill on the east and the swath of disturbed area on the west.



Figure 3. Aquatic Resources Delineation Map

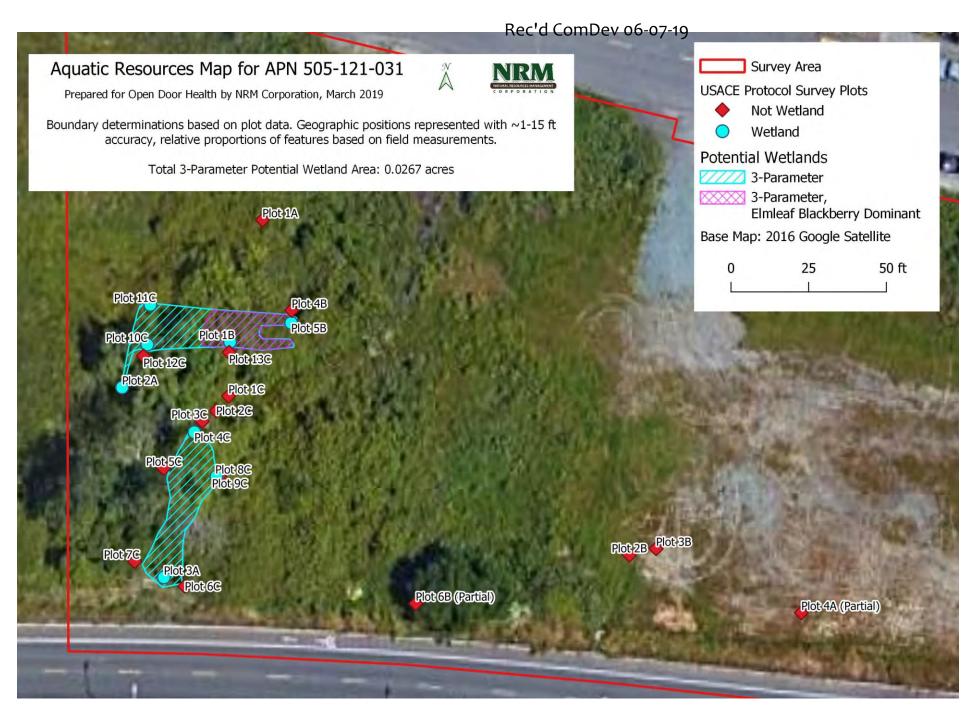


Figure 4. Aquatic Resources Delineation Map: Zoomed to Features 1.

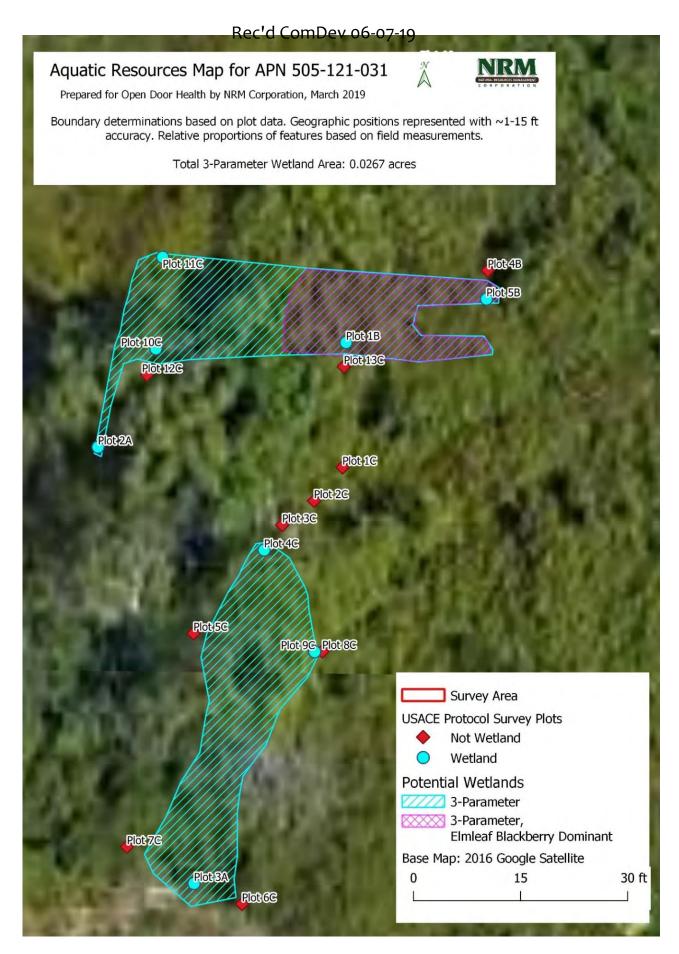


Figure 5. Aquatic Resources Delineation Map: Zoomed to Features 2

4.2.1.2 Hydrology

The potential wetland features met the Primary Hydrology Indicators A3 (Saturation), and A2 (High Water Table), and were characterized by having surface water and/or soil saturation to surface for a continuous 23 days during the investigation (February 14th - March 8th). Plot 11C met C1 (Hydrogen Sulfide Odor) and A1 (Surface Water), and Plot 9C met A1 (Surface Water). No surface water was present on January 31st, but plot data revealed the water table to be at 8 inches below surface at the lowest elevation point (Plot 3A), with soil saturation at a depth of 3 inches (Photo 8). No surface water was present at the highest elevation area of the northern feature on February 6th but the water table was found to be at a depth of 9 inches with saturation to a depth of 4 inches at Plot 1B, and the water table was found to be at a depth of 16 inches with saturation to a depth of 9 inches at Plot 5B. On February 21, surface water was present at Plots 9C, 10C, 11C and generally over the much of the features, with soil saturation to surface present over the remaining portions (Photos 15-17). Plots 1C, 2C, and 3C (Upland plots positioned within a fill mound) revealed a water table at a depth varying between 7, 5, and 11 inches respectively, due to topographic complexity of the fill deposit.

Ground water appears to be seeping (daylighting) from a point in the slope above the northern extent of the potential wetland, most significantly at the elevation and position of Plot 11C. This "seep" feature is mentioned in the 2008 delineation report by David Loya of NRM, and the plot investigation (Plot 15-Loya) done at that time revealed a water table at a depth of 6 inches. Notes from the data sheets describe this point as a "spring at the base of cutback." This feature appears to be contributing hydrology to the entire system of potential wetlands.

4.2.1.3 Vegetation

Most of the potential jurisdictional acreage is dominated by an overstory of Sitka willow (*Salix sitchensis*, FACW), coastal willow (*Salix hookeriana*, FACW) and red alder (*Alnus rubra*, FAC). A dense thicket of elmleaf blackberry (*Rubus ulmifolius*, Not Listed) creates an understory to these trees. Elm-leaf blackberry is not listed in the National Wetland Plant List (Lichvar et. al 2016). However, this non-native plant is described as invasive and as occurring in wetland, riparian, and ruderal upland habitat by the Global Invasive Species Database and the U.S. Forest Service (PIER 2018; GISD 2005). This presents a problematic situation where exclusion from the National Wetland Plant List cannot be assumed to mean the plant is considered Upland (UPL). Therefore, for the purposes of this investigation, it has been assigned a Facultative (FAC) indicator status. However, over most of the site (and all plots except Plots 1B and 5B), prevalence of hydrophytes is met by the cover of willow species or red alder if "problematic" vegetation cover contributed by elmleaf blackberry is removed from the calculation. Small (<1 square meter) patches of Pacific rush (*Juncus effusus ssp. pacificus*, FACW) are found in the lowest-elevation portions of this vegetation type.

The upper elevation and northern extent of the northern feature is completely dominated by elmleaf blackberry, which forms a dense thicket reaching over 10 feet in height. This vegetation type extends well into upland habitat (as seen in Plots 12C, 13C, 1A, 1C, 2C, and 3C). Designation of the area as meeting the hydrophytic vegetation criteria depends on the consideration of this invasive plant as Facultative, as described above.

4.2.1.3 Soils

Most soils within the potential wetland features met the Hydric Soil Indicator F3 (Depleted Matrix), with an upper layer color of 10YR 3/2, and a lower layer (starting at or above 10 inches) with a color of 10YR 4/1 to 10YR 5/1 and prominent Iron and Manganese redox concentrations present at between 5 and 30 percent. Many of the Upland plots defining the boundaries of the potential wetland features had similar profiles, but with the lower layer staring at a depth below 10 inches.

However, soils at Plot 3A met A11 (Depleted Below Dark Surface), F2 (Loamy Gleyed Matrix) and F3, with an upper layer color of 10YR 2/1 and a lower layer (starting at 6 inches) with a color of Gley 1 6/1 and 40% prominent redox concentrations. The soils at Plot 2A meet F6 (Redox Dark Surface), with an upper layer color of 10YR 2/2 with >5% prominent redox concentrations. Layers from below the water table were partially dried before coloring, although they were still wetter than optimal.

The 2008 Wetland Report by Loya had one plot investigation within the potential wetland features identified here. This plot (Plot 15-Loya) appears to have been placed near Plot 11C, in the northern extent of the northern feature. The soils findings of the Loya investigation identify upper layers with similar colors to those found here, but the description of a lower layer (starting at 10 inches) identifies the matrix color as 10YR 5/8 with mottles of 10YR 4/2 (no percentages given). This is essentially an inverse of the findings here.

Plots 2B and 3B were in the part of the Study Area with a layer of historic fill and did not meet any Hydric Soil Indicators. At Plot 2B a cemented, restrictive layer was encountered at a depth of 15 inches, with soils dry below.

4.2.2 Two-Parameter Investigation

4.2.2.1 Overview

City of Arcata Land Use Code Chapter 9.59 states "The City's definition of wetlands utilizes a two-parameter protocol; a wetland includes those lands where two or more of the following characteristics are present, where one is a source of water (surface or subsurface) that is present for sufficient periods, and the second is to promote either the formation of hydric soils or growth of hydrophytic plant species."

No two-parameter wetlands were identified within the Survey Area.

4.2.2.2 Hydrology

Some parts of the most heavily compacted and recently driven-upon portions of the Survey Area were saturated during the investigation, but were not interpreted to have true wetland hydrology, as rainwater appeared to be perched on a layer of artificial, compacted fill. An impervious layer of concreted fill material (river cobbles, clay, gravel) was identified at a depth of 15 inches in one area with dry material below. Plots 2B and 3B revealed that the entire soil profile of this area to a depth of 22 inches is composed of fill materials, capped with a layer of mixed subsoils (Photo 10).

4.2.2.3 Vegetation

These heavily compacted areas are primarily vegetated by weedy non-native Facultative grasses such as Italian ryegrass (*Festuca perennis*, FAC,) and a bentgrass species (*Agrostis capilaris* c.f., FAC).

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These species are ubiquitous in both wetland and upland areas of the Humboldt Bay watershed. The invasive pennyroyal (Mentha pulegium, OBL) is present in some areas, as are several scattered (~3 individual) nutsedge (Cyperus eragrostis, FACW) plants. However, these plants were interpreted to be indicative of artificial availability of rainwater, seasonally captured by the concreted fill materials described above. Plot data from Plots 2B, 3B and Partial Plot 4A capture vegetation cover data for this condition. These plots meet the hydrophytic vegetation parameter, but cover is primarily contributed by weedy non-native Facultative vegetation.

Partial Plot 6B was investigated due to the dominance by a large willow (Salix hookeriana, FACW), but no hydrological indicators were observed.

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Rec'd ComDev 06-07-19 Appendix A: Site Photos (photo dates: bottom right corner of image)



Photo 1. Looking east over eastern portion of Survey Area.



Photo 2. Looking east towards Plot 2A.



Photo 3. Looking east towards Plot 2A.



Photo 4. Looking southwest towards temporary soil storage pile from adjacent construction.



Photo 5. Looking south across heavily compacted area.



Photo 6. Looking south across depression in southwest corner of Survey Area.



Photo 7. Looking west and downslope towards location of Plot 3A from Foster Ave.



Photo 8. Plot 3C, water table after 30 minutes, looking north.

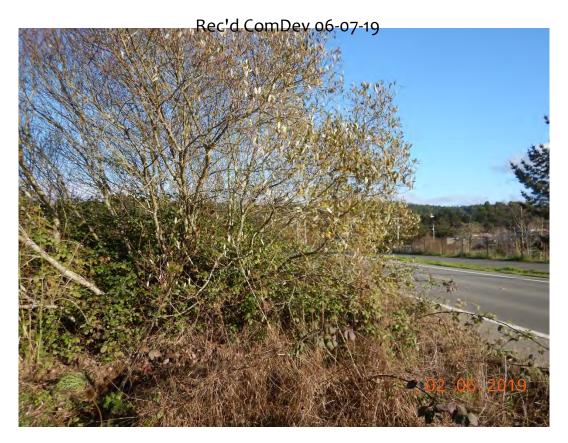


Photo 9. Looking east towards Partial Plot 6B by Foster Ave.



Photo 10. Plot 2B, profile of fill.



Photo 11. Looking north at location of Plot 3A.



Photo 12. Looking north at highly disturbed swath along western border of Survey Area.



Photo 13. Looking north over east side of southern feature, from vicinity of Plot 9C



Photo 14. Looking south over northern wetland feature, post vegetation removal.



Photo 15. Surface water in southern feature.



Photo 16. Looking east towards northern feature. Surface water obscured by debris from mowing.



Photo 17. Surface water in northern feature.



Photo 18. Looking north long finger extension of northern feature



Photo 19. Looking east across southern portion of compacted fill area.

Rec'd ComDev 06-07-19 Appendix B: NRCS Soils Map (NRCS 2019)

Soil Map—Humboldt County, Central Part, California 06-07-19 (Soil Map for APN 505-121-031)



MAP LEGEND

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Water Features

Transportation

0

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

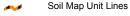
Aerial Photography

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

... Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Humboldt County, Central Part, California Survey Area Data: Version 4, Sep 13, 2018

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Oct 11, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
127	Jollygiant, 0 to 2 percent slopes	18.0	14.6%
133	Arlynda, 0 to 9 percent slopes	0.1	0.1%
185	Timmons and Lepoil soils, 0 to 2 percent slopes	54.4	44.0%
186	Timmons and Lepoil soils, 2 to 9 percent slopes	34.5	27.9%
257	Lepoil-Candymountain complex, 2 to 15 percent slopes	13.7	11.1%
258	Lepoil-Espa-Candymountain complex, 15 to 50 percent slopes	2.8	2.3%
Totals for Area of Interest		123.6	100.0%

Appendix C: Plant List

Scientific Name	Common Name	Lifeform	Wetland Indicator Status
			(Lichvar et. al 2016)
Agrostis capillaris c.f.	Colonial bentgrass	Perennial grass	FAC
Allium triquetrum	White flowered onion	Perennial herb (bulb)	UPL**
Alnus rubra	Red alder	Tree, Shrub	FAC
Anthoxanthum odoratum	Sweet vernal grass	Annual, Perennial grass	FACU
Baccharis pilularis ssp. pilularis	Coyote brush	Shrub	UPL**
Briza maxima	Rattlesnake grass	Annual grass	UPL**
Conium maculatum	Poison hemlock	Perennial herb	FAC
Cortaderia jubata	Andean pampas grass	Perennial grass	FACU
Cynosurus echinatus	Dogtail grass	Annual grass	UPL**
Cyperus eragrostis	Tall cyperus	Perennial grasslike herb	FACW
Daucus carota	Carrot	Perennial herb	FACU
Dipsacus fullonum	Wild teasel	Perennial herb	FAC
Festuca perennis	Italian rye grass	Annual, Perennial grass	FAC
Foeniculum vulgare	Fennel	Perennial herb	UPL**
Helminthotheca echioides	Bristly ox-tongue	Annual, Perennial herb	FAC
Hordeum sp.	barley	Annual grass	N/A
Juncus effusus ssp. pacificus	Pacific rush	Perennial grasslike herb	FACW
Lythrum sp.	Loosestrife	Annual herb	N/A
Mentha pulegium	Pennyroyal	Perennial herb	OBL
Parentucellia viscosa	Yellow parentucellia	Annual herb	FAC
Plantago lanceolata	Ribwort	Perennial herb	FACU
Raphanus sativus	Jointed charlock	Annual, Biennial herb	UPL**
Rubus armeniacus	Himalayan blackberry	Shrub	FAC
Rubus ulmifolius	Elmleaf blackberry	Vine, Shrub	FAC***
Rumex acetosella	Sheep sorrel	Perennial herb	FACU
Rumex crispus	Curly dock	Perennial herb	FAC
Rumex obtusifolius	Broadleaf dock	Perennial herb	FAC
Salix hookeriana	Coastal willow	Tree, Shrub	FACW
Salix sitchensis	Coulter willow	Tree, Shrub	FACW

Trifolium sp. Perennial herb			N/A

^{**} UPL assigned based on absence from List

^{***} Assigned FAC based on available ecological information and dominance within areas with hydrologic and soil indicators

Rec'd ComDev 06-07-19 Appendix D: USACE Wetland Data Sheets

Applicant/Owner: Open Long nvestigator(s): (a rel f	Brown	Se	ction, Township, R	ange: TO6N RO1	Sampling Point: 14/6834 E. sec 29 H. Arcata Slope (%):
Subregion (LRR):		Lat: 40	. 88001 N	_ Long: 124.0866	Slope (%):
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re Vegetation <u>/</u> , Soil <u>/</u> , o	r Hydrology $ {\cal N} $	significantly dist		"Normal Circumstances" p	
re Vegetation, Soil, o					
				needed, explain any answer	
UMMARY OF FINDINGS - A			impling point	locations, transects,	, important features, e
Hydrophytic Vegetation Present?	Yes		lo the Counts	44.4	
Hydric Soil Present? Vetland Hydrology Present?	Yes		Is the Sample within a Wetla		No V
Remarks:	Yes		1000 miles 3 055		
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				Number of Dominant Sp That Are OBL, FACW, o	
				Total Number of Domina Species Across All Strate	a: (B)
Y					
apling/Shrub Stratum (Plot size:	En 2.	=T	otal Cover	Percent of Dominant Spe That Are OBL, FACW, or	r FAC: (A/
Rugu Marines.	200	50	11-00	Prevalence Index work	
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			1 170		x1=
				FACW species	x 2 =
					x 3 =
r 2		= T	otal Cover	FACU species	x 4 =
erb Stratum (Plot size:		0	2 / -1 /		x 5 =
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- CITEIUM VUNAVU			N FACU	Prevalence Index =	= B/A =
Der inner Ex			N/A	Hydrophytic Vegetation	
				1 - Rapid Test for Hy	drophytic Vegetation
				2 - Dominance Test i	s >50%
				3 - Prevalence Index	
				4 - Morphological Ad	aptations ¹ (Provide supportin or on a separate sheet)
				5 - Wetland Non-Vas	
),					ytic Vegetation¹ (Explain)
					and wetland hydrology must
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oody Vine Stratum (Plot size:		A A			
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4-19	10x84/4	911	1.1	4		M					
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vne: C=C	oncentration, D=Dep	oletion, RM=	=Reduced Matrix, C	S=Covere	ed or Coat	ted Sand G	rains.	Location	: PL=Poi	e Lining, M	I=Matrix.
vdric Soil	Indicators: (Applic	cable to all	LRRs, unless other	erwise no	ted.)		Indic	cators fo	r Probler	natic Hydr	ic Soils':
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	istic (A3)		Loamy Mucky			pt MLRA 1)				Surface (T	F12)
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	d Below Dark Surfa	ce (A11)	Depleted Matr		21		3Indi	cators of	hydronhy	rtic vegetati	on and
	ark Surface (A12)		Redox Dark S Depleted Dark							nust be pre	
	Mucky Mineral (S1) Gleyed Matrix (S4)		Redox Depres							problemati	
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estrictive	Layer (if present):										
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Primary Ind Surface High W Satural Water Sedime Drift De Surface Inunda Sparse Field Obse Surface W Water Tabl	DGY ydrology Indicators licators (minimum of e Water (A1) water Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) water Crust (B4) eposits (B5) e Soil Cracks (B6) ation Visible on Aeria ely Vegetated Concae ervations: later Present? le Present? Present?	al Imagery (I ave Surface Yes Yes	ed; check all that ap Water-S MLR. Salt Cru Aquatic Hydroge Oxidized Presend Recent Stunted B7) Other (E) (B8) No \(\sum \) Depth No \(\sum \) Depth	ply) tained Lea A 1, 2, 4A st (B11) Invertebra en Sulfide d Rhizospl ee of Redu fron Redu or Stresse explain in (inches): (inches): (inches):	aves (B9) a, and 4B) ates (B13) Odor (C1) heres alor aced Iron (action in Ti ed Plants Remarks)	(except) ng Living Ro (C4) Illed Soils (C (D1) (LRR	oots (C3)	Secondar Water 4A Drain Dry-S Satur Geon Shalld FAC- Raise Frost	y Indicato -Stained ., and 4B age Patte eason W ation Visi norphic Pow Aquita Neutral T d Ant Mo	rs (2 or mo Leaves (B9) rns (B10) ater Table (ble on Aeria osition (D2) rd (D3) est (D5) unds (D6) (ummocks (re required) (C2) Il Imagery (C
Primary Ind Surface High W Satural Water Sedime Drift De Surface Inunda Sparse Field Obse Surface W Water Tabl	DGY ydrology Indicators licators (minimum of e Water (A1) water Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) wat or Crust (B4) eposits (B5) e Soil Cracks (B6) ation Visible on Aeria ely Vegetated Conca	al Imagery (I ave Surface Yes Yes	ed; check all that ap Water-S MLR. Salt Cru Aquatic Hydroge Oxidized Presend Recent Stunted B7) Other (E) (B8) No \(\sum \) Depth No \(\sum \) Depth	ply) tained Lea A 1, 2, 4A st (B11) Invertebra en Sulfide d Rhizospl ee of Redu fron Redu or Stresse explain in (inches): (inches): (inches):	aves (B9) a, and 4B) ates (B13) Odor (C1) heres alor aced Iron (action in Ti ed Plants Remarks)	(except) ng Living Ro (C4) Illed Soils (C (D1) (LRR	oots (C3)	Secondar Water 4A Drain Dry-S Satur Geon Shalld FAC- Raise Frost	y Indicato -Stained ., and 4B age Patte eason W ation Visi norphic Pow Aquita Neutral T d Ant Mo	rs (2 or mo Leaves (B9) rns (B10) ater Table (ble on Aeria osition (D2) rd (D3) est (D5) unds (D6) (ummocks (re required) (C2) Il Imagery (C

Project/Site: 505 - 12 -03		City/County: ATA	to Homes H	Sampling Date: 1-31-
Applicant/Owner: Open Door Hen -h		y Williams		Sampling Point: 246 F
Investigator(s): Clare Brown				ouring to this.
Landform (hillslope, terrace, etc.): how / depart				
Subregion (LRR):	Lat: 4	0.87986	Long: -124 . 08 4	92 Datum: 4/4
Soil Map Unit Name: TIMMONS - 10 ppsil / 3	ollagiont		NIM classific	potion: 14 > 44
Are climatic / hydrologic conditions on the site typical fo	r this time of ve	ar? Ves V No	/If no evelois is D	cauon:
Are Vegetation, Soil, or Hydrology	eignificantly			A Section 1
Are Vegetation, Soil, or Hydrology				oresent? YesX No
SUMMARY OF FINDINGS – Attach site ma			eeded, explain any answe	
Hydrophytic Vegetation Present? Yes	No	, , , , , , , , , , , , , , , , , , , ,		, important leatures, e
Hydric Soil Present? Yes	No	Is the Sample	l Area	7
Wetland Hydrology Present? YesX	No	within a Wetla		No
Remarks: () fly day and shall be re	ended (ront constructi	or of expension	to ALL COLL
of home + - the men in near to lo	HE FATT	in price to at	omp boilt	
VEGETATION – Use scientific names of p	lants.			
Tree Stratum (Plot size: 5 /n)		Dominant Indicator	Dominance Test work	sheet:
1. Salix sichen	3 O	Species? Status	Number of Dominant Sp That Are OBL, FACW, of	
2. 3.			Total Number of Domini Species Across All Stra	
Sapling/Shrub Stratum (Plot size:	30	= Total Cover	Percent of Dominant Sp That Are OBL, FACW, of	
1. Ruevi Winifalias	50	V	Prevalence Index work	
2,	//_	1 1000	Total % Cover of:	Multiply by:
3		·——	OBL species	x 1 =
4			FACW species	x 2 =
5			The section of the se	x 3 =
	50	= Total Cover		x 4 =
Herb Stratum (Plot size: 5m) 1. January (FF)	1	1/ 502		x 5 =
1. <u>SOMOS ETT</u> 2		N FACW		(A) (B)
3			Prevalence Index Hydrophytic Vegetatio	
4				ydrophytic Vegetation
5			2 - Dominance Test	San San San Planting The Contract of
6			3 - Prevalence Inde	
7 8			4 - Morphological Ad	daptations ¹ (Provide supporting or on a separate sheet)
9			5 - Wetland Non-Va	
10			Problematic Hydrop	hytic Vegetation ¹ (Explain)
11,			¹ Indicators of hydric soil	and wetland hydrology must
Mondy Vino Stratum (Diet sine)		= Total Cover	be present, unless distur	bed or problematic.
Woody Vine Stratum (Plot size:)				
1 2			Hydrophytic Vegetation	- 27
% Bare Ground in Herb Stratum9 ^		= Total Cover	Present? Yes	No
Remarks: Rubusulm not conted inv	16 m an 1	AV 27 - 21	a least the death of the same	
Wasan Alex Well Control WA	* Dansel	Marries 113 110	See 3 CANIL	

-	-	

	0	A	
Sampling Point:	4	11	

epth	cription: (Describe t			x Features				
ches)	Color (moist)	%	Color (moist)	%_	Type ¹	_Loc ²	Texture	Remarks
7	10 y R2/1					-	Clayloan	Rootspream frotalinh
-10	10/R2/z		10/R6/1	2	D	M	class lown	
10	10/1-/2		1	2	-	- / /	11	
			49.1			_W_		
-15	10 YR 2/2		10 yR6/1	3	_D_	M		
	200		10-18-6/8	3	C	M	U	
			5 yr 4/4	L	0	$\Lambda\Lambda$	17	
1	in mulli		1500111	-	0	10	Clan	
5-21	10/R4/1		10 VK 6/1			10	- CIAY) -	
			10180/8	_3_	C	M		and the second second second
pe: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, CS	S=Covered	d or Coate	ed Sand Gr		on: PL=Pore Lining, M=Matrix.
dric Soil	Indicators: (Applic	able to al	I LRRs, unless othe	rwise note	ed.)		Indicators	for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Redox (S5)		0		uck (A10)
Histic E	pipedon (A2)		Stripped Matrix					rent Material (TF2)
	listic (A3)		Loamy Mucky I			t MLRA 1)		nallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)		Loamy Gleyed		!)		Other (Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted Matri				3	of budge budge vegetation and
	ark Surface (A12)		X Redox Dark Su					of hydrophytic vegetation and ** hydrology must be present,
	Mucky Mineral (S1)		Depleted Dark		-7)			isturbed or problematic.
	Gleyed Matrix (S4)		Redox Depress	SIONS (FO)			unicss u	istarbed of problematic.
	Layer (if present):							
Type:							1 10 10 12 12 12	V V
Depth (in	nches):						Hydric Soil Pr	esent? Yes X No
emarks:							Hydric Soil Pr	esent? Yes X No
emarks:		at a	7			-4,	Hydric Soil Pr	esent? Yes No
/DROLO	OGY ydrology Indicators:		1					
DROLO	DGY		ed; check all that app	oly)			Seconda	ary Indicators (2 or more required)
DROLO etland Hy	OGY ydrology Indicators:			oly) ained Leav	ves (B9) (except	Seconda Wat	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2,
DROLO Vetland Hy rimary Indi Surface	DGY ydrology Indicators: licators (minimum of o		Water-Sta			except	Seconda Wat	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2,
DROLC etland Hy rimary Indi Surface High W	OGY ydrology Indicators: licators (minimum of d e Water (A1)		Water-Sta	ained Leav 1, 2, 4A,		except	Seconda Wat Drai	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10)
'DROLC Total Hyrimary Indi — Surface — High W	OGY ydrology Indicators: licators (minimum of d e Water (A1) /ater Table (A2)		Water-Sta MLRA Salt Crus Aquatic II	ained Leav 1, 2, 4A, t (B11) nvertebrate	and 4B) es (B13)	except	Seconds Wat Drai Dry.	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2)
'DROLO 'etland Hy rimary Indi _ Surface _ High W _ Saturat _ Water I	OGY ydrology Indicators: iicators (minimum of de e Water (A1) /ater Table (A2) tion (A3)		Water-Sta MLRA Salt Crus Aquatic II	ained Leav 1, 2, 4A, t (B11)	and 4B) es (B13)	except	Seconda Wat Drai Dry Satu	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (CS
TOROLO Tetland Hy rimary Indi Surface High W Saturat Water I Sedime	ogy ydrology Indicators: licators (minimum of o e Water (A1) /ater Table (A2) tion (A3) Marks (B1)		Water-Standard MLRA Salt Crus Aquatic In Hydroger	ained Leav 1, 2, 4A, t (B11) nvertebrate n Sulfide O	and 4B) es (B13) edor (C1)	except g Living Ro	Seconda Wat Drai Dry Satt Strots (C3)	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9)
rDROLO retland Hy rimary Indi Surface High W Saturat Water I Sedime Drift De	ogy ydrology Indicators: licators (minimum of de Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2)		Water-Standard MLRA Salt Crus Aquatic II Hydroger Oxidized	ained Leav 1, 2, 4A, t (B11) nvertebrate n Sulfide O	es (B13) dor (C1) eres along	g Living Ro	Seconda Wat Drai Dry Satt State Sha	ery Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) incomplex Position (D2) llow Aquitard (D3)
'DROLO 'etland Hy rimary Indi _ Surface _ High W \(\) Saturat _ Water I _ Sedime _ Drift De _ Algal M	ogy ydrology Indicators: iicators (minimum of of e Water (A1) //ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3)		Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence	ained Leav a 1, 2, 4A, t (B11) envertebrate a Sulfide O Rhizosphe e of Reduce	es (B13) odor (C1) eres along ed Iron (C	g Living Ro	Seconda — Wat — Drai — Dry — Satu ots (C3) — Sha 6) — FAC	ery Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (CS) ic Position (D2) llow Aquitard (D3) c-Neutral Test (D5)
TOROLO Tetland Hy Timary Indi Surface High W Saturat Water I Sedime Drift De Algal M	pdrology Indicators: licators (minimum of de Water (A1) //ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) //at or Crust (B4)		Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir	ained Leav 1, 2, 4A, t (B11) envertebrate n Sulfide O Rhizosphe of Reduction Reduction	es (B13) odor (C1) eres along ed Iron (C	g Living Ro	Seconda — Wat — Drai — Dry- — Satt ots (C3) — Sha — FAC () — Rai	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) illow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
rDROLO rimary Indi Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface	pydrology Indicators: licators (minimum of de Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) //at or Crust (B4) eposits (B5)	one requir	Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir	ained Leav 1, 2, 4A, t (B11) envertebrate n Sulfide O Rhizosphe of Reduction Reduction	es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (I	g Living Ro (24) ed Soils (C	Seconda — Wat — Drai — Dry- — Satt ots (C3) — Sha — FAC () — Rai	ery Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (CS) ic Position (D2) llow Aquitard (D3) c-Neutral Test (D5)
TDROLO Tetland Hy Timary Indi Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inunda	ody ydrology Indicators: licators (minimum of de Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) //at or Crust (B4) eposits (B5) e Soil Cracks (B6)	one requir	Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted 6 B7) Other (Ex	ained Leavanne Leavan	es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (I	g Living Ro (24) ed Soils (C	Seconda — Wat — Drai — Dry- — Satt ots (C3) — Sha — FAC () — Rai	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) illow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
TDROLO Tetland Hy Timary Indi Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inunda Sparse	ydrology Indicators: iicators (minimum of de Water (A1) //ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) //at or Crust (B4) eposits (B5) e Soil Cracks (B6) //tion Visible on Aerial	one requir	Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted 6 B7) Other (Ex	ained Leavanne Leavan	es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (I	g Living Ro (24) ed Soils (C	Seconda — Wat — Drai — Dry- — Satt ots (C3) — Sha — FAC () — Rai	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) illow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
TOROLO Tetland Hyrimary Indi Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inunda Sparse	pydrology Indicators: licators (minimum of of the Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aerial ely Vegetated Concavervations:	one requir	Water-Standard Water-Standard WLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent In Stunted C B7) Other (Ex	ained Leav 1, 2, 4A, 1 (B11) nvertebrate n Sulfide O Rhizosphe of Reduc- on Reduct or Stressec xplain in R	es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (I	g Living Ro (24) ed Soils (C	Seconda — Wat — Drai — Dry- — Satt ots (C3) — Sha — FAC () — Rai	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) illow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
rimary Indi Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inunda Sparse ield Obse	pydrology Indicators: licators (minimum of de Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) /at or Crust (B4) eposits (B5) e Soil Cracks (B6) ation Visible on Aerial ely Vegetated Concavervations: ater Present?	Imagery (Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted (B7) Other (E3)	ained Leavanne Leavan	es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (I	g Living Ro (24) ed Soils (C	Seconda — Wat — Drai — Dry- — Satt ots (C3) — Sha — FAC () — Rai	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) illow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
rDROLO rimary Indi Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inunda Sparse ield Obse	pdrology Indicators: licators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) /at or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aerial ely Vegetated Concaveryations: later Present?	Imagery (ve Surface Yes		ained Leavanne Leavan	es (B13) bdor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	g Living Roi (4) ed Soils (C D1) (LRR A	Seconda Wat Drai Dry Satt ots (C3) Sha 6) Rai From	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
rimary Indi Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inunda Sparse Gurface Water Table Saturation	pydrology Indicators: licators (minimum of ele Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) /at or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aerial ely Vegetated Concavervations: later Present? le Present?	Imagery (Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted (B7) Other (E3)	ained Leavanne Leavan	es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (I	g Living Roi (4) ed Soils (C D1) (LRR A	Seconda — Wat — Drai — Dry- — Satt ots (C3) — Sha — FAC () — Rai	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
TDROLO Tetland Hy Timary Indi Surface High W Saturat Water I Sedime Drift De Algal M Iron De Surface Inunda Sparse ield Obse Surface Water Table Saturation	pdrology Indicators: licators (minimum of of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) /at or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aerial ely Vegetated Concaveryations: later Present?	Imagery (ve Surface Yes	Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted (B7) Other (Ex	ained Leavanne Leavan	es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (I emarks)	g Living Roc (4) ed Soils (C D1) (LRR A	Seconda Wat Wat Drai Dry Sattots (C3) Sha FAC A) Rais Fros	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
FINAL CONTROL OF THE PROPERTY	ydrology Indicators: licators (minimum of of the Water (A1) //ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) //at or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aerial ely Vegetated Concavervations: later Present? le Present? Present? apillary fringe)	Imagery (re Surface Yes	Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted (B7) Other (E) (B8) No Depth (i) No Depth (i) Double (ii) Double (iii)	ained Leavanne Leavan	es (B13) bdor (C1) eres along ed Iron (Cition in Tillid Plants (I emarks)	g Living Roo (4) ed Soils (Cl D1) (LRR A	Seconda Wat Drai Dry Satt ots (C3) Sha 6) Rai From Iland Hydrology	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, 1A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 lice Position (D2) lice Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
FINAL CONTROL OF CONTR	ydrology Indicators: licators (minimum of of the Water (A1) //ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) //at or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aerial ely Vegetated Concavervations: later Present? le Present? Present? apillary fringe)	Imagery (re Surface Yes	Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted (B7) Other (E) (B8) No Depth (i) No Depth (i) Double (ii) Double (iii)	ained Leavanne Leavan	es (B13) bdor (C1) eres along ed Iron (Cition in Tillid Plants (I emarks)	g Living Roo (4) ed Soils (Cl D1) (LRR A	Seconda Wat Drai Dry Satt ots (C3) Sha 6) Rai From Iland Hydrology	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, 1A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 lice Position (D2) lice Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
Final Policy Control	ydrology Indicators: licators (minimum of of the Water (A1) //ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) //at or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aerial ely Vegetated Concavervations: later Present? le Present? Present? apillary fringe)	Imagery (re Surface Yes	Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted (B7) Other (E) (B8) No Depth (i) No Depth (i) Double (ii) Double (iii)	ained Leavanne Leavan	es (B13) bdor (C1) eres along ed Iron (Cition in Tillid Plants (I emarks)	g Living Roo (4) ed Soils (Cl D1) (LRR A	Seconda Wat Drai Dry Satt ots (C3) Sha 6) Rai From Iland Hydrology	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, 1A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 lice Position (D2) lice Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
FINAL CONTROL OF CONTR	ydrology Indicators: licators (minimum of of the Water (A1) //ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) //at or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aerial ely Vegetated Concavervations: later Present? le Present? Present? apillary fringe)	Imagery (re Surface Yes	Water-Sta MLRA Salt Crus Aquatic II Hydroger Oxidized Presence Recent Ir Stunted (B7) Other (E) (B8) No Depth (i) No Depth (i) Double (ii) Double (iii)	ained Leavanne Leavan	es (B13) bdor (C1) eres along ed Iron (Cition in Tillid Plants (I emarks)	g Living Roo (4) ed Soils (Cl D1) (LRR A	Seconda Wat Drai Dry Satt ots (C3) Sha 6) Rai From Iland Hydrology	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 ic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)

Project/Site: See Sheet 1		City/County		Sampling Date: 1-31-/9
Applicant/Owner: Open Lour		on, ooung		State: Sampling Point: 3 N GFS L
nvestigator(s):				
andform (hillsland torrace etc.):		Local relief	(concave (convex, none): Conce Slope (%): 2
andiom (missiope, terrace, etc.).	In H	0 279	19	Long: - 124.08677 Datum: NA DS
	Lat:		9 1	Lorig. 121.06077 Battim. 707.20
oil Map Unit Name:				NWI classification: No re
re climatic / hydrologic conditions on the site typical for				
				Normal Circumstances" present? Yes No
re Vegetation $_{ extstyle N}$, Soil $_{ extstyle N}$, or Hydrology $_{ extstyle N}$	naturally pro	blematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site m	ap showing	samplin	g point le	ocations, transects, important features, etc
Hydrophytic Vegetation Present? Yes	No		te J.v.	
Hydric Soil Present? Yes	_ No	1000000	e Sampled in a Wetlar	/ /
Wetland Hydrology Present? Yes				
Remarks: plot near yeur frank-de	1 col 300 16	N 15t	++130	12
Hydralogia likely impacted by rece +10.	1 construe	1 in		
/EGETATION – Use scientific names of p	lants.			
- au	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 5 m) 1. Solv (aslan)	% Cover	Species?	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Alnus (-17	10	4	FAC	mat Ale OBL, FACVI, OF FAC.
3.			170	Total Number of Dominant Species Across All Strata: (B)
3				Species Across Air Strata.
- 7	35	= Total Co	ver	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 5 m 2				Prevalence Index worksheet:
1. Ruby Ulmifol 15	50_		NONE	Total % Cover of: Multiply by:
2				OBL species x 1 =
3				FACW species x 2 =
4				FAC species x 3 =
5		L		FACU species x 4 =
Herb Stratum (Plot size:	_50	= Total Co	ver	UPL species x 5 =
1. June 1 tills	5	Y	FACW	Column Totals: (A) (B)
2.				Prevalence Index = B/A =
3.				Hydrophytic Vegetation Indicators:
4.				1 - Rapid Test for Hydrophytic Vegetation
5.				2 - Dominance Test is >50%
6.				3 - Prevalence Index is ≤3.0¹
7				4 - Morphological Adaptations (Provide supporting
8.				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation¹ (Explain)
11,				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
an Tital with James .	_5	_= Total Co	ver	be present, unless distalbed of problematic.
Woody Vine Stratum (Plot size:)				5243.7201
1			_	Hydrophytic Vegetation
2.		= Total Co		Present? Yes No
		- Total Co	VCI	
% Bare Ground in Herb Stratum	-	- 50 SA		
Remarks: Robus ulm folius has no so	lad Itelia		IV an D	avaluation throat a net

	cription: (Describe	to the debi				or commun	the absence	or muicators.)
Depth inches)	Color (moist)	%	Color (moist)	x Features %	Type ¹	Loc ²	Tauduma	Demade
1-/	10 10 2/1		Color (moist)		Type	LOC	Texture	Remarks
- 1	10/8//	700	10 5/2	-	_	-	Organic	tell of word adpla m
- 15	10 76/1	60	10 /R 5/8	40		M	Clan	Glay page
								5 . 5
			- 1					-
								1
					7.045.043	Total Control		
ype: C=C	oncentration, D=Dep Indicators: (Applic	Dietion, RM=	Reduced Matrix, C	S=Covered	or Coate	ed Sand Gra		cation: PL=Pore Lining, M=Matrix.
		able to all I			a.)			ors for Problematic Hydric Soils ³ :
_ Histosol			Sandy Redox (n Muck (A10)
	pipedon (A2)		Stripped Matrix	100				Parent Material (TF2)
	istic (A3) en Sulfide (A4)		Loamy Mucky I			MLRA 1)		y Shallow Dark Surface (TF12)
	d Below Dark Surfac	- (Δ11)	★ Loamy Gleyed ★ Depleted Matrix				_ Oth	er (Explain in Remarks)
	ark Surface (A12)	e (ATT)	✓ Depleted Matrix — Redox Dark Su				3Indiant-	ore of hydrophytic vesstation and
	Mucky Mineral (S1)		Depleted Dark	The second second second	7)			ors of hydrophytic vegetation and nd hydrology must be present,
	Gleyed Matrix (S4)		Redox Depress		,			s disturbed or problematic.
	Layer (if present):			(. 0)			i iii	s distarbed of problematic.
Type:								
Depth (in							Hydric Soil	Present? Yes X No.
	(V/ = ===== ;	Past.	- natural	or fil	,			
DROLO	GY		- natural	or fil				
DROLO	GY drology Indicators:						Canada	
DROLO etland Hy	GY drology Indicators: cators (minimum of c		; check all that appl	y)	7			ndary Indicators (2 or more required)
DROLO etland Hy imary India _ Surface	drology Indicators: cators (minimum of c		; check all that appl Water-Sta	y) ined Leave		xcept		/ater-Stained Leaves (B9) (MLRA 1, 2
DROLO etland Hy imary India _ Surface High Wa	drology Indicators: cators (minimum of c Water (A1) ater Table (A2)		; check all that appl Water-Sta MLRA	y) ined Leave 1, 2, 4A, ai		xcept	_ w	/ater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
DROLO etland Hy imary India Surface High Wa	drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3)		; check all that appl Water-Sta MLRA Salt Crust	y) ined Leave 1, 2, 4A, a i (B11)	nd 4B)	xcept	_ w	/ater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10)
DROLO etland Hy imary India Surface High Wa Saturati Water M	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) tarks (B1)		; check all that appl Water-Sta MLRA Salt Crust Aquatic In	y) ined Leave 1, 2, 4A, a i (B11) vertebrates	(B13)	xcept	_ M	/ater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2)
DROLO etland Hydimary India Surface High Wa Saturati Water M Sedimer	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) tarks (B1) nt Deposits (B2)		; check all that appl Water-Sta MLRA Salt Crust Aquatic In: Hydrogen	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd	(B13) or (C1)		W D S	/ater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C
DROLO etland Hyrimary India Surface High Wa Saturatia Water M Sedimer Drift Dep	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) darks (B1) nt Deposits (B2) posits (B3)		; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Ode Rhizosphere	(B13) or (C1) es along	Living Root	W D S s (C3) X G	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Coeomorphic Position (D2)
DROLO etland Hy imary India Surface High Wa Saturatia Water M Sedimer Drift Dep	drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odo Rhizosphere of Reduced	(B13) or (C1) es along	Living Root	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Coeomorphic Position (D2) hallow Aquitard (D3)
DROLO etland Hy imary India Surface High Wa Saturatia Water M Sedimer Drift Dep Algal Ma	drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reductio	(B13) or (C1) es along I Iron (C4 n in Tilled	Living Root) I Soils (C6)	W D S S (C3) S S S	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Coeomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5)
TOROLO Tetland Hyrimary India Surface High Wa Saturatia Water M Sedimen Drift Dep Algal Ma Iron Dep Surface	drology Indicators: cators (minimum of comparison of compa	one required	; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reductio Stressed F	(B13) or (C1) es along I Iron (C4 n in Tilled	Living Root) I Soils (C6)	W D S S (C3) S S S	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Coeomorphic Position (D2) hallow Aquitard (D3)
TOROLO Tetland Hyrimary India Surface High Wa Saturatia Water M Sedimer Drift Der Algal Ma Iron Der Surface Inundati	drology Indicators: cators (minimum of comparison of compa	one required	; check all that appl — Water-Sta MLRA — Salt Crust — Aquatic In: — Hydrogen — Oxidized F — Presence — Recent Iro — Stunted or) — Other (Exp	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reductio	(B13) or (C1) es along I Iron (C4 n in Tilled	Living Root) I Soils (C6)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Coeomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5)
TOROLO etland Hyrimary India Surface High Wa Saturatia Water Mater	drology Indicators: cators (minimum of comparison of cators) water (A1) ater Table (A2) on (A3) darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial of the cators of the ca	one required	; check all that appl — Water-Sta MLRA — Salt Crust — Aquatic In: — Hydrogen — Oxidized F — Presence — Recent Iro — Stunted or) — Other (Exp	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reductio Stressed F	(B13) or (C1) es along I Iron (C4 n in Tilled	Living Root) I Soils (C6)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Coeomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
DROLO etland Hy imary India Surface High Wa Saturatia Water Mater	drology Indicators: cators (minimum of comparison of cators) water (A1) ater Table (A2) on (A3) darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial of the cators of the ca	one required	; check all that appl — Water-Sta MLRA — Salt Crust — Aquatic In: — Hydrogen — Oxidized F — Presence — Recent Iro — Stunted or) — Other (Exp	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reductio Stressed F	(B13) or (C1) es along I Iron (C4 n in Tilled	Living Root) I Soils (C6)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Coeomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
DROLO etland Hydimary India Surface High Wa Saturatia Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatia Sparsely	drology Indicators: cators (minimum of of of other (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial of other of other of other of other other of other ot	one required Imagery (B7 e Surface (B	; check all that appl — Water-Sta MLRA — Salt Crust — Aquatic In: — Hydrogen — Oxidized F — Presence — Recent Iro — Stunted or) — Other (Exp	y) ined Leave 1, 2, 4A, an (B11) vertebrates Sulfide Odo Rhizosphere of Reduced in Reductio Stressed F blain in Ren	(B13) or (C1) es along I Iron (C4 n in Tilled	Living Root) I Soils (C6)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C3 eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
CDROLO Tolor and Hyrimary India Surface High Wa Saturation Water M Sediment Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely eld Observariace Water	drology Indicators: cators (minimum of of of other (A1) ater Table (A2) on (A3) farks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I by Vegetated Concave vations: er Present?	one required	; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp.	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Ode Rhizosphere of Reduced in Reductio Stressed Felain in Ren	(B13) or (C1) es along I Iron (C4 n in Tilled	Living Root) I Soils (C6)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
TOROLO Tetland Hyrimary India Surface High Wa Saturatia Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatia Sparsely Tetla Obserurface Water Table	drology Indicators: cators (minimum of of of water (A1) ater Table (A2) on (A3) tarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Y	imagery (B7 e Surface (B	; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 10 Depth (inc.	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reductio Stressed F blain in Ren ches):	(B13) or (C1) es along I Iron (C4 n in Tilled	Living Root) I Soils (C6) (LRR A)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Surface Surface High Wa Saturatio Sedimen Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely ield Observation Per cludes cap	drology Indicators: cators (minimum of of of water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial If y Vegetated Concave vations: er Present? Present? Y resent? Y resent? Y resent? Y	imagery (B7 e Surface (B	; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 10 Depth (inc. Depth (inc.)	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Ode Rhizosphere of Reduced in Reductio Stressed F clain in Ren ches):	(B13) (B13) or (C1) es along I Iron (C4 n in Tillec Plants (D narks)	Living Root Soils (C6) Lick (C6) Lick (C6) Lick (C6)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C3 eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
TOROLO Tetland Hyrimary India Surface High Wa Saturatia Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatia Sparsely eld Obser urface Water Table	drology Indicators: cators (minimum of of water (A1) ater Table (A2) on (A3) tarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Y resent? Y	imagery (B7 e Surface (B	; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 10 Depth (inc. Depth (inc.)	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Ode Rhizosphere of Reduced in Reductio Stressed F clain in Ren ches):	(B13) (B13) or (C1) es along I Iron (C4 n in Tillec Plants (D narks)	Living Root Soils (C6) Lick (C6) Lick (C6) Lick (C6)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Cieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
/DROLO /etland Hyrimary India Surface ☐ High Wa ☐ Saturatia ☐ Water Mage Income Department of the Income	drology Indicators: cators (minimum of of of water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial If y Vegetated Concave vations: er Present? Present? Y resent? Y resent? Y resent? Y	imagery (B7 e Surface (B	; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 10 Depth (inc. Depth (inc.)	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Ode Rhizosphere of Reduced in Reductio Stressed F clain in Ren ches):	(B13) (B13) or (C1) es along I Iron (C4 n in Tillec	Living Root Soils (C6) Lick (C6) Lick (C6) Lick (C6)	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C3 eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
TOROLO Tetland Hyrimary India Surface High Wa Saturatia Water M Sedimer Drift Der Algal Ma Iron Der Surface Inundatia Sparsely eld Obser urface Water Table	drology Indicators: cators (minimum of of water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Present? Y resent? Y	imagery (B7 e Surface (B es N es N	; check all that appl Water-Sta MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 18) Depth (inc Depth (inc	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Ode Rhizosphere of Reduced in Reductio Stressed F clain in Ren ches): ches):	(B13) or (C1) es along I Iron (C4 n in Tiller Plants (D narks)	Living Root Soils (C6) CRR A) Wetla pections), if	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9 eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
TOROLO Torological Andrew Torological Andrew	drology Indicators: cators (minimum of of water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Present? Y resent? Y	imagery (B7 e Surface (B	check all that appl Water-Sta MLRA Salt Crust Aquatic In: Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 18) Depth (inc. Depth (inc. Depth (inc.) Depth (inc.)	y) ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reductio Stressed Folain in Ren ches): ches): ches):	(B13) or (C1) es along I Iron (C4 n in Tillec Plants (D narks)	Living Root Soils (C6) CRR A) Wetla pections), if	W D S s (C3)	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (Cieomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)

Partial PloT

Project/Site:	see sh		City/Co	ounty:	0.4	Sampling Date: 1-31-1
	TICKLIFT		200			Sampling Point: 4A (40
Investigator(s):	Torno				ange:	0
Landform (hillslope, terrace, etc.):	Telina		Local	relief (concave	, convex, none): _ / or	Slope (%):
Subregion (LRR):	1: 1	Lat:	0.0	1767	_ Long:	2603 Datum: NAD
Soil Map Unit Name: TIM MOA					NWI classi	fication: Noce
Are climatic / hydrologic conditions on	the site typical for	or this time of ye	ar? Yes	s No	(If no, explain in	Remarks.)
Are Vegetation , Soil , c	or Hydrology^	significantly	disturbe	ed? Are		present? Yes X No
Are Vegetation, Soil, o	or Hydrology	naturally pro	blemati	ic? (If r	needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS -						
Hydrophytic Vegetation Present?		_ No	Sump	mig ponit	locations, transect	s, important features, et
Hydric Soil Present?	Yes		1	s the Sample	d Area	
Wetland Hydrology Present?		No_X	V	within a Wetla	nd? Yes	(No)
Remarks:						
VEGETATION – Use scientifi	c names of p	lants.				
T		Absolute		ant Indicator	Dominance Test wor	ksheet:
Tree Stratum (Plot size:		% Cover	Specie	es? Status	Number of Dominant	Species
1			_		That Are OBL, FACW	or FAC: (A)
2			_		Total Number of Domi	nant
3			-		Species Across All Str	rata: (B)
7.			- T. V.		Percent of Dominant S	Species
Sapling/Shrub Stratum (Plot size:)	-	= Total	Cover	That Are OBL, FACW,	
1					Prevalence Index wo	
2					Total % Cover of:	
3						x 1 =
4						x 2 =
5						x 3 = x 4 =
Herb Stratum (Plot size: M	2		= Total	Cover		x 4 = x 5 =
1. mother pulpaire		5	N	ORI		(A) (B)
2. Agostis SP >		10	4	FAC		
		10	V	FAC	Prevalence Index	
4.				4-	Hydrophytic Vegetati	
5,					2 - Dominance Tes	Hydrophytic Vegetation
6					3 - Prevalence Ind	
7						Adaptations ¹ (Provide supporting
8					data in Remark	s or on a separate sheet)
9					5 - Wetland Non-V	ascular Plants ¹
10					Problematic Hydro	phytic Vegetation ¹ (Explain)
11					Indicators of hydric so	il and wetland hydrology must
Woody Vine Stratum (Plot size:	×	25 =	Total C	Cover	be present, unless distr	urbed or problematic.
1					s cooks	all FAC
2.				-	Hydrophytic Vegetation	all Inc
	10		Total C	`over	Present? Ye	S_No
% Bare Ground in Herb Stratum	5		Total C	ovei		
Remarks:	A no	and de he	A	. Canlle	ns adossignd 1	PAC

pepth Matrix nches) Color (moist) %	Redox Features Color (moist) % Type ¹	Loc ²	Texture	Remarks
			-	
		not a	sel_	
		10 0		
	/			
ype: C=Concentration, D=Depletion,	RM=Reduced Matrix, CS=Covered or Coated	Sand Grain	s. ² Locatio	on: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to				for Problematic Hydric Soils ³ : uck (A10)
_ Histosol (A1)	Sandy Redox (S5) Stripped Matrix (S6)			rent Material (TF2)
_ Histic Epipedon (A2) Black Histic (A3)	Loamy Mucky Mineral (F1) (except N	ILRA 1)		nallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Name of the last		Explain in Remarks)
_ Depleted Below Dark Surface (A11)				
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)			of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)			hydrology must be present, isturbed or problematic.
_ Sandy Gleyed Matrix (\$4)	Redox Depressions (F8)		uniess u	isturbed of problematic.
estrictive Layer (if présent):				
Type:		1.	Hydric Soil Pr	esent? Yes No
Depth (inches):			injunio com i i	
	Partial 6	7		
YDROLOGY	Partial 6			
Vetland Hydrology Indicators:			Seconda	ary Indicators (2 or more required)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg	uired; check all that apply)			
Vetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1)			Wat	
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2)	uired; check all that apply) Water-Stained Leaves (B9) (ex		Wat Drai	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10)
Vetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1)	uired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B)		Wate Drai Dry-	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3)	wired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	cept	Wate Drai Dry Sate	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	uired; check all that apply) — Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along L	cept iving Roots	Wate Drai Dry Satu (C3) Geo	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9 morphic Position (D2)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	wired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4)	cept iving Roots	Wate Drai Dry Sate (C3) Geo Sha	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) umorphic Position (D2) Illow Aquitard (D3)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	wired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	cept iving Roots Soils (C6)	Wate Drai Dry Sate (C3) Geo Sha FAC	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) umorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	wired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1)	cept iving Roots Soils (C6)	Wate Drai Dry Satu (C3) Geo Sha FAC Rais	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) umorphic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager	wired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 ry (B7) Other (Explain in Remarks)	cept iving Roots Soils (C6)	Wate Drai Dry Satu (C3) Geo Sha FAC Rais	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) umorphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5)
Vetland Hydrology Indicators: Primary Indicators (minimum of one regressions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface	wired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 ry (B7) Other (Explain in Remarks)	cept iving Roots Soils (C6)	Wate Drai Dry Satu (C3) Geo Sha FAC Rais	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) umorphic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Sparsely Vegetated Concave Surfa	wired; check all that apply) Water-Stained Leaves (B9) (ex	cept iving Roots Soils (C6)	Wate Drai Dry Satu (C3) Geo Sha FAC Rais	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) umorphic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: Primary Indicators (minimum of one regressions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface Surface Water Present? Yes """ """ """ """ """ """ """	wired; check all that apply) Water-Stained Leaves (B9) (ex	cept iving Roots Soils (C6)) (LRR A)	Wate Drai Dry Satu (C3) Geo Sha FAC Rais	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagel Sparsely Vegetated Concave Surface (B4) Field Observations: Surface Water Present? Ves Water Table Present? Ves Vaster Table Present? Ves Vaster Table Vater (A1) Value (A2) Value (A2) Value (A2) Value (A2) Value (A2) Value (A2) Value (A3) Value (A4) Val	wired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 Other (Explain in Remarks) ace (B8) No Depth (inches):	cept iving Roots Soils (C6)) (LRR A)	Wate Drai Dry Satu (C3) Geo Sha FAC Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
Vetland Hydrology Indicators: Primary Indicators (minimum of one regression of the property o	wired; check all that apply) Water-Stained Leaves (B9) (ex	cept iving Roots Soils (C6)) (LRR A) Wetlar	Wate Drai Satu Satu Sha FAC Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: Primary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagel Sparsely Vegetated Concave Surfated Observations: Surface Water Present? Water Table Present? Ves Saturation Present? Yes Saturation Present? Yes Signoludes capillary fringe)	wired; check all that apply) Water-Stained Leaves (B9) (ex. MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 other (Explain in Remarks) Other (Explain in Remarks) No Depth (inches): No Depth (inches): No Depth (inches):	cept iving Roots Soils (C6)) (LRR A) Wetlar pections), if	Wate 4 Drai Dry- Satu (C3) Geo Sha FAC Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
Primary Indicators (minimum of one regressions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surface Water Present? Water Table Present? Yes Saturation Present? Yes Signification Stream Gauge Sparsely Vegetated Concave Surface Water Present? Water Table Present? Yes Source Water Present? Surface Water Present? Surface Water Present? Yes Source Water Present? Securation Present? Securation Present? Yes Source Water Present? Securation Present? Yes Source Water Present? Yes Yes Yes Yes Yes Yes Yes Ye	wired; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 other (Explain in Remarks) To Cher (Explain in Remarks) No Depth (inches): No Depth (inches):	cept iving Roots Soils (C6)) (LRR A) Wetlar pections), if	Wate 4 Drai Dry- Satu (C3) Geo Sha FAC Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) Illow Aquitard (D3) C-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)

Project/Site: APN 505 - 121 - 63/	Ci	tv/County:	Arcata	Humb	odd + same	pling Date: _2	-6-1
Applicant/Owner: ODE DOUC						oling Point:	
Investigator(s): Chillen							
. A							
andform (hillslope, terrace, etc.):							
		87990					NAO8
	رود ااحل					nore	
are climatic / hydrologic conditions on the site typical for thi			No	(If no, expl	ain in Remark	s.)	
Are Vegetation, Soil, or Hydrology s	significantly dis	sturbed?	Are "No	rmal Circumsta	ances" presen	? Yes	No
are Vegetation $\mathcal N$, Soil $\mathcal N$, or Hydrology $\mathcal N$ r	naturally proble	ematic?	(If neede	ed, explain any	answers in R	emarks.)	
SUMMARY OF FINDINGS - Attach site map	showing s	ampling po	oint loca	ations, tran	sects, imp	ortant featu	ıres, etc
Control of the Contro	lo	3			101		
그는 경기 가지 않는 이번 내내는 경기 기업으로 보다는 이번 시간에 되었다. 그리고	lo	Is the Sar			(2)		
Wetland Hydrology Present? Yes X	lo	within a V	Wetland?	Ye	s	No	
Remarks:							
~"							
EGETATION – Use scientific names of plan	ts. 🔻						
		Dominant Indic		ominance Tes	st worksheet:		
Tree Stratum (Plot size:) 1	<u>% Cover</u> S	Species? Stat	N	umber of Dom hat Are OBL, F	inant Species ACW, or FAC		(A)
2				otal Number of		1	
4.	40	W.	— S	pecies Across	All Strata:	-	(B)
Sapling/Shrub Stratum (Plot size: 5 m2)		Total Cover	Pr	ercent of Domi hat Are OBL, F	nant Species ACW, or FAC	100	(A/B)
1. Rubus almani	50 .	Y F	A P	revalence Ind	ex worksheet	:	
2.		1 1	-	Total % Cov	ver of:	Multiply by	
3		- 1	_ 0	BL species		x 1 =	
I. <u></u>		5.				x 2 =	
5						x 3 =	
	50 =	Total Cover				x 4 =	
Herb Stratum (Plot size:)		01010 1010 1010				x 5 =	_
l	·— -		C	olumn Totals:		(A)	(B)
2				Prevalence	e Index = B/A	_	
3			Н	ydrophytic Ve			
				_ 1 - Rapid Te	est for Hydroph	nytic Vegetation	E ₂
			— X	_ 2 - Dominan	ice Test is >50	0%	
S				3 - Prevalen	ce Index is ≤3	.01	
						ions ¹ (Provide s	
3.			_			a separate she	et)
					Non-Vascular	E 1276 5 2 2	
10						egetation¹ (Ex	
1			— he	ndicators of hyd present, unles	dric soil and w	etland hydrolog	y must
Noody Vine Stratum (Plot size:	=1	Total Cover	-	present, unic	oo distarbed o	problematic.	
VOCAY VINE CITATUM (1 101 SIZE			-	4 / (2 / 4 /			
				ydrophytic egetation		210	
1.1		Total Cover		esent?	Yes_X) No	39 A
% Bare Ground in Herb Stratum		otal Cover					
Remarks Probus ulmifolius Consil	ELTAC	1000	a c . l	: 121 50	- 01a-+	CNAC a 1	.1
is consided invasive in a	netlater	vinnmed	J(CA	BI)	26.00	con of any	. 1 1

Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Loc² Texture Color (moist) Color (moist) (inches 59 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) 2 cm Muck (A10) Sandy Redox (S5) Histosol (A1) Red Parent Material (TF2) Histic Epipedon (A2) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Loamy Mucky Mineral (F1) (except MLRA 1) Black Histic (A3) Other (Explain in Remarks) Loamy Gleyed Matrix (F2) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Depleted Matrix (F3) 3Indicators of hydrophytic vegetation and Redox Dark Surface (F6) Thick Dark Surface (A12) wetland hydrology must be present, Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) unless disturbed or problematic. Redox Depressions (F8) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: **Hydric Soil Present?** Depth (inches): Remarks: digging deeper hack layers below water levels for **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (2 or more required) Primary Indicators (minimum of one required; check all that apply) Water-Stained Leaves (B9) (MLRA 1, 2, Water-Stained Leaves (B9) (except X Surface Water (A1) 4A, and 4B) MLRA 1, 2, 4A, and 4B) * High Water Table (A2) Drainage Patterns (B10) Salt Crust (B11) X Saturation (A3) Dry-Season Water Table (C2) Aquatic Invertebrates (B13) Water Marks (B1) Saturation Visible on Aerial Imagery (C9) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Geomorphic Position (D2) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) Shallow Aguitard (D3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Iron Deposits (B5) Raised Ant Mounds (D6) (LRR A) Stunted or Stressed Plants (D1) (LRR A) Surface Soil Cracks (B6) Frost-Heave Hummocks (D7) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Field Observations: Depth (inches): Surface Water Present? Water Table Present? Depth (inches):

wn.tal 50 minutes for water table

Depth (inches):

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Wetland Hydrology Present?

Saturation Present? (includes capillary fringe)

Remarks:

Project/Site:Se	e sheet 1		City/County;		_ Sampling Date: 2-6-11
Applicant/Owner: 0 PG	dor				_ Sampling Point: 2 B /410
nvestigator(s):			Section, Township, R		_ camping Form 2 5 /- / 1
andform (hillslope, terrace, etc.):					could gran way 20
Subregion (LRR):		Lat: L	10.87972	Lange = 17 H AP	617 Slope (%):/
Soil Map Unit Name:		Lat	10.07.17		
	or owner or the contract	A. S. S.	W		ication: None
Are climatic / hydrologic conditions on the	ne site typical for this	time of ye			
Are Vegetation, Soil, or I				"Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or I	Hydrology na	turally pro	blematic? (If n	eeded, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS - A	ttach site map s	howing	sampling point	locations, transect	s, important features, etc.
Hydrophytic Vegetation Present?	Yes X No		7.22		
Hydric Soil Present?	Yes No		Is the Sample	d Area nd? Yes	N. V
	Yes No				
Remarks: soil and hydralog					
heavy compaction	7. Vesetatio	nis!	FAC domina	+ (and not in.	a good seasonal stage
/EGETATION – Use scientific				forID	
Tree Stratum (Plot size:		Absolute	Dominant Indicator	Dominance Test worl	ksheet:
1,		% Cover	Species? Status	Number of Dominant S That Are OBL, FACW,	
2				Total Number of Domir	nant /
3				Species Across All Stra	
Sanling/Shrub Stratum (Diet aire)			= Total Cover	Percent of Dominant S That Are OBL, FACW,	
Sapling/Shrub Stratum (Plot size:)			Prevalence Index wor	
2.		_		Total % Cover of:	Multiply by:
3				OBL species	x 1 =
1				FACW species	x2=
5					x 3 =/
			= Total Cover		x 4 =
Herb Stratum (Plot size: M)		w risk		x5=
1. Agosts sp		15	TAC	Column Totals:	(A) (B)
2. trifolium cp		10	N FACTO	Prevalence Index	
1. Cynocauris cabination	-	7	VPL	Hydrophytic Vegetation	on Indicators:
Don La ceolata		+	- OBL FACU		Hydrophytic Vegetation
S. Cizamay		2	VPL	∠ 2 - Dominance Tes	
. Allientras		T	WPL	3 - Prevalence Inde	To the same of the
. hocdeum top.	-				Adaptations ¹ (Provide supporting s or on a separate sheet)
. Festur perdi		10	N FAC	5 - Wetland Non-Va	
0					ohytic Vegetation ¹ (Explain)
11				¹ Indicators of hydric soi	l and wetland hydrology must
A GALLERY		46 =	Total Cover	be present, unless distu	irbed or problematic.
Voody Vine Stratum (Plot size:					problematic
				Hydrophytic	Marine
				Vegetation Present? Yes	No No
% Bare Ground in Herb Stratum 5	1 -		Total Cover		
Remarks:	difficult st.	1 15	71517	(1 1 m. 16 %	cr.
- mosty degraded	10 D maile .	31 1	Clas chartes	12-10-10	* 1 1 1
= masts resource	Neces A DAMESTA	A	Dall - EA	11.100	intire, as specie n
		X	Calliny LHO	- TO BE LOVED	NATIFE / OS

Sampling Point: SOIL Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Loc Color (moist) Color (moist) (inches) LOYP 5/6 10 4 R 5/2 ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils3: Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) 2 cm Muck (A10) Sandy Redox (S5) Histosol (A1) Red Parent Material (TF2) Stripped Matrix (S6) Histic Epipedon (A2) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Black Histic (A3) Other (Explain in Remarks) Loamy Gleyed Matrix (F2) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Depleted Matrix (F3) 3Indicators of hydrophytic vegetation and Thick Dark Surface (A12) Redox Dark Surface (F6) wetland hydrology must be present, Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) unless disturbed or problematic. Redox Depressions (F8) Sandy Gleyed Matrix (S4) strictive Layer (if present):

Type: Clan and stone - appears like a cemented parking lot

fill Restrictive Layer (if present): **Hydric Soil Present?** Depth (inches): Remarks: Soil saturated betwee 6 ed 15 indes - disbelow - redox 1 colored leatures in operationers appear to be chunks of subsoil mixel 10, as bondance are sharp, not counting as irredox degression for this reason **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (2 or more required) Primary Indicators (minimum of one required; check all that apply)

Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	Water-Stained Leaves (B9) (exception MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Scalar Stunted or Stressed Plants (D1) (Incomplete Care Incomplete Care	AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water Table Present? YesX No Saturation Present? YesX No (includes capillary fringe) Describe Recorded Data (stream gauge, monitori	Depth (inches):	
only 2 days after heavy (at prior site visit /2 week	enhal on tumps ain, but similar so some rain)	nturation conditions observed

Project/Site:	seeshe	et 1	City/County:		Sampling Date:	2-6-10
Applicant/Owner: 0pg doc	or Health			State:		
nvestigator(s):				Range:		20(9
Landform (hillslope, terrace, etc.):						13
Subregion (LRR):				e, convex, none): 10/	Slo	pe (%):/
						and the second second
Soil Map Unit Name:				NWI class	A second of the	ne
Are climatic / hydrologic conditions or Are Vegetation, Soil, Are Vegetation, Soil, COUNTY OF FINDINGS	or Hydrology/ or Hydrology/	significantly naturally pro	disturbed? Are	e "Normal Circumstance needed, explain any ans	s" present? Yes	
Hydrophytic Vegetation Present?		No	The second			
Hydric Soil Present?		No	Is the Sample			
Wetland Hydrology Present?	Yes	No	the state of the s	and? Yes _		
Remarks: recently drivere			historic frll	- obvious can	posed of Ri	vu rock
/EGETATION – Use scientifi	c names of p					
Tree Stratum (Plot size:			Species? Status	Number of Dominan That Are OBL, FACV		(A)
3				Total Number of Dor Species Across All S	ninant 7	(B)
Sapling/Shrub Stratum (Plot size:)		= Total Cover	Percent of Dominant That Are OBL, FACV	V, or FAC:	(A/B)
1				Prevalence Index w		
2				Total % Cover o		
3					x1=	
4					x 2 =	
5					x 3 = x 4 =	
Herb Stratum (Plot size:	1	-	= Total Cover		x5=	
1. Walks on		8_	Y ORL	Column Totals:		
2. Chorin		- 8	Y ORL			(0)
3.		-	+	Prevalence Ind		
4. FOTUCA PERMIS		2	PAC	Hydrophytic Vegeta		
5		b 1		Z 2 - Dominance T	r Hydrophytic Vegetat	ion
6		- 10		3 - Prevalence In		
7					I Adaptations ¹ (Provid	o cupporting
В				data in Rema	rks or on a separate s	heet)
9				5 - Wetland Non-	-Vascular Plants ¹	
10				Problematic Hyd	rophytic Vegetation ¹ (I	Explain)
11				¹ Indicators of hydric s	oil and wetland hydro	logy must
Woody Vine Stratum (Plot size:			= Total Cover	be present, unless dis	sturbed or problematic	
1				Hydrophytic		
2			T.116	Vegetation Present?	es X No	
% Bare Ground in Herb Stratum		-	= Total Cover	F 4404444	~ ···	
Remarks: Vegetation in		"Just sp	mouting the	2		
)			

rofile Description: (Describe			x Feature				
nches) Color (moist)	%C	Color (moist)	%	Type ¹	_Loc ² _	Texture	Remarks 7
0-5 10783/1	10) YR 6/2	3.	<u>D</u>		Clayloan	& fill inclusions . S
	10	YR 6/8	3				
7	5	1R5/1	T	(PL		10-15 of River Mck
A/ U//	15 _	7.			-10		The state of the s
7 1/1							
			_				
		2					
							,
ype: C=Concentration, D=De	pletion, RM=Rec	duced Matrix, CS	S=Covere	d or Coate	ed Sand Gr	ains. ² Loc	cation: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Appli	cable to all LRR	ts, unless other	rwise not	ted.)		Indicato	rs for Problematic Hydric Soils ³ :
_ Histosol (A1)	_	Sandy Redox (n Muck (A10)
Histic Epipedon (A2)	_	Stripped Matrix					Parent Material (TF2)
Black Histic (A3)	-	Loamy Mucky N			(MLKA 1)		y Shallow Dark Surface (TF12) er (Explain in Remarks)
_ Hydrogen Sulfide (A4)	- (A11)	Loamy Gleyed Depleted Matrix		~)		000	c. (=xpisiii ii. nomana)
 Depleted Below Dark Surfa Thick Dark Surface (A12) 	Ce (A11)	Redox Dark Su)		3Indicato	ors of hydrophytic vegetation and
Sandy Mucky Mineral (S1)		Depleted Dark				wetla	nd hydrology must be present,
Sandy Gleyed Matrix (S4)		Redox Depress				unles	s disturbed or problematic.
estrictive Layer (if present):	,						
Type:		-				1. S. C. G. A. S.	
Type: Depth (inches): emarks: Reday Fent	chinks of chinks of large	rock as a preparate	Chunk bur asl a be of dedo	s of s of fill from C	- For cement	this rea	Present? Yes No X 7 - bandance directe den not given F6 or port of old parkers of adjusts hel
Type:	THE OF	rock exist	Chunk bur asl be f	to be	- for cement	this rea	7 - bandare discrete den not given F6 or part of old parkens of
Type:	5:	701 60137	and the second	es of s fill from (Tor for cement	this real of fill-	7-bandare diverte ion not given F6 or part of old parkens of adjusts her
Type:	5:	neck all that app	ly)			this real of fill-	not given F6 of part of old parkers of all parkers of all parkers of adjuster factors (2 or more required)
Type:	5:	neck all that app	ly) ained Lea	ves (B9) (this real of fill-	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2)
Type:	5:	neck all that app Water-Sta	oly) ained Lea			this real in this real in the second of the	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2)
Type:	5:	neck all that app Water-Sta MLRA Salt Crus	ly) ained Lea 1, 2, 4A, t (B11)	ves (B9) (and 4B)		this real in this real in the second of the	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10)
Type:	5:	neck all that app Water-Sta MLRA Salt Crus Aquatic Ir	ained Lea a. 1, 2, 4A, t (B11)	ves (B9) (and 4B)		this real in this real in this real in the second of the s	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2)
Type:	5:	neck all that app Water-Sta MLRA Salt Crus Aquatic Ir	ained Lea 1, 2, 4A, t (B11) nvertebrat	ves (B9) (and 4B) tes (B13) Odor (C1)	except	Seco _ V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10)
Type:	5:	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph	ves (B9) (and 4B) tes (B13) Odor (C1) teres along	except g Living Ro	Seco V	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
Type:	5:	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph of Reduc	ves (B9) (and 4B) tes (B13) Odor (C1) heres along ced Iron (C	except g Living Ro	Seco V	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orginage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C) Geomorphic Position (D2)
Type:	5:	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide (Rhizosph of Reduction Reduction	tes (B13) Odor (C1) Deres along ced Iron (Ction in Till	except g Living Ro	Seco V	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3)
Type:	s: Fone required; cl	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph of Reduction Reduction Reduction Stresse	tes (B13) Odor (C1) Deres along ced Iron (C tion in Till	except g Living Ro	Seco V	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	s: Fone required; cl	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted c	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph of Reduction Reduction Reduction Stresse	tes (B13) Odor (C1) Deres along ced Iron (C tion in Till	except g Living Ro	Seco V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type:	s: Fone required; cl	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted c	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph of Reduction Reduction Reduction Stresse	tes (B13) Odor (C1) Deres along ced Iron (C tion in Till	except g Living Ro	Seco V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type:	s: Fone required; cl	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph e of Reduct on Reduct or Stresse xplain in F	tes (B13) Odor (C1) Deres along ced Iron (C tion in Till	except g Living Ro	Seco V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type:	al Imagery (B7)	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of Other (Ex	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide (Rhizosph of Reduct on Reduct or Stresse xplain in F	tes (B13) Odor (C1) Deres along ced Iron (C tion in Till	g Living Roc (24) ed Soils (C (D1) (LRR A	Seco V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Type:	al Imagery (B7) ave Surface (B8)	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted c Other (Ex	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph of Reduct on Reduct or Stresse xplain in R	tes (B13) Odor (C1) Deres along ced Iron (C tion in Till	g Living Roc (24) ed Soils (C (D1) (LRR A	Seco V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Type:	al Imagery (B7) ave Surface (B8) Yes X No Yes X No	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of Other (Ex	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph of Reduct on Reduct or Stresse cplain in R	ves (B9) (and 4B) tes (B13) Odor (C1) heres along ced Iron (C ction in Till hed Plants (Remarks)	g Living Roc (24) ed Soils (C (D1) (LRR A	Seco V Seco V Seco	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Type:	al Imagery (B7) ave Surface (B8) Yes X No Yes X No	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of Other (Ex	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph of Reduct on Reduct or Stresse cplain in R	ves (B9) (and 4B) tes (B13) Odor (C1) heres along ced Iron (C ction in Till hed Plants (Remarks)	g Living Roc (24) ed Soils (C (D1) (LRR A	Seco V Seco V Seco	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Type:	al Imagery (B7) ave Surface (B8) Yes X No Yes X No Yes X No am gauge, monit	meck all that app Water-Sta MLRA Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted o Other (Ex	ained Lea 1, 2, 4A, t (B11) nvertebrat a Sulfide C Rhizosph of Reduct on Reduct or Stresse xplain in F nches): nches): nches): I photos,	tes (B9) (and 4B) tes (B13) Odor (C1) teres along ced Iron (Cetion in Till ded Plants (Remarks)	g Living Roc (24) ed Soils (C D1) (LRR A	Seco	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

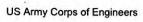
Sampling Date: 2-6-19	ounty:	eet 1 cit	seesh	roject/Site:
Sampling Point: 4 B 414	State:			oplicant/Owner: Open D
	n, Township, Range:			vestigator(s):
1 Slane (94): 10 5	relief (concave, convex, none):		hillilace-	andform (hillslope, terrace, etc.):
		1 110	- 1111110	ubregion (LRR):
		Lat: <u>90</u>		
fication:				oil Map Unit Name:
Remarks.)				re climatic / hydrologic conditions on
present? Yes X No	ped? Are "Normal Circumstar	_significantly dis	_, or Hydrology	re Vegetation <u>,</u> Soil <u>,</u> c
ers in Remarks.)	tic? (If needed, explain any	_ naturally proble	\angle , or Hydrology \angle	re Vegetation <u> </u>
s, important features, etc.	pling point locations, trans	p showing sa	- Attach site ma	UMMARY OF FINDINGS -
				Hydrophytic Vegetation Present?
(V)	Is the Sampled Area	No_X_	Yes	Hydric Soil Present?
No	within a Wetland? Yes		Yes	Wetland Hydrology Present?
up to pit 1	e of exemply than	on el		Remarks: 100 FAC Dominant
		ants.	itific names of pl	EGETATION – Use scientifi
ksheet:	inant Indicator Dominance Test		i e	Free Stratum (Diet size)
20 to 20 40 40 10 to 20 10 to	Number of Domir That Are OBL, FA	<u>% Cover S</u>		Free Stratum (Plot size:
inant ,	Total Number of I		/	2
rata: (B)	Species Across A			3
	Percent of Domin	T	5m2	Sapling/Shrub Stratum (Plot size: _
orksheet:	Prevalence Inde		e)	Japinig/Silidb Silatum (Flot size
Multiply by:	Total % Cove			
x 1 =				
x 2 =				
x 3 =				5.
x 4 =	al Cover			
x 5 =		70		Herb Stratum (Plot size:
(A) (B)	Column Totals: _	60	slivs	- Rubus ulmifoli
x = B/A =	Prevalence	<u> </u>		2
	Hydrophytic Veg			3
Hydrophytic Vegetation	11		/	
	<u>X</u> 2 - Dominand			i
	3 - Prevalence			
Adaptations ¹ (Provide supporting ks or on a separate sheet)	4 - Morpholo			3
Vascular Plants ¹)/
ophytic Vegetation ¹ (Explain)				0.
oil and wetland hydrology must				1.
sturbed or problematic.	be present, unles	=1		
	ATTENDED TO THE PARTY OF THE PA			Voody Vine Stratum (Plot size:
	Hydrophytic			
es / No	Vegetation			
<u> </u>	l Cover			% Bare Ground in Herb Stratum
+15	had into Lee Chil.		EARTON	Remarks: A
es Y	Vegetation Present?		as FAC here e in wetland's	6. Bare Ground in Herb Stratum

rofile Desc	ription: (Describe t	to the dep	th needed to docu	ment the II	nuicator	or gomin	m the absence of indicators.)
Depth	Matrix			ox Features			
inches)	Color (moist)	%	Color (moist)	- %	Type	Loc ²	Texture Remarks
-15	10 YR 3/3		54R416	2	<u>(</u>	<i>N</i> \	Sandy Clax Lore
F - 77	INVEELI	60		5		~	6 and y Clay
5-23	10485/1 10485/6	20	10 YR 5/8	10	<u> </u>	//	2444644
	10/12/0	1)	5 R 2.5/1	- 10	C	n	mangarex
		2					
			D. J NAME O	<u> </u>			21 continue Di paga Lining McMatrix
	oncentration, D=Depl Indicators: (Application					ed Sand G	Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Black Hi Hydroge Depleted Thick Da Sandy N	oipedon (A2) istic (A3) en Sulfide (A4) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1)	e (A11)	Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark So Depleted Dark	x (S6) Mineral (F1 Matrix (F2) ix (F3) urface (F6) Surface (F	y .	ot MLRA 1	Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present,
	Gleyed Matrix (S4) Layer (if present):	,	Redox Depres	sions (F8)			unless disturbed or problematic.
Type:							
Depth (in	ches):	i	yould meet f	=3 i.f	lay	ser ster	Hydric Soil Present? Yes No_X
Depth (in temarks:		ı	, orld meet f	=3 / +	lay	ger ster	Carried Science (December 1997)
Depth (in lemarks:	GY drology Indicators:		•		lay	ger star	within 10 inches
Depth (in lemarks:	GY drology Indicators: cators (minimum of o		d; check all that app	oly)			Secondary Indicators (2 or more required)
Depth (in lemarks: /DROLO /etland Hy /rimary India	drology Indicators: cators (minimum of o Water (A1)		d; check all that app	oly) ained Leave	es (B9) (Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
Depth (in temarks: YDROLO Vetland Hy Primary Indi Surface High Wa	drology Indicators: cators (minimum of o Water (A1) ater Table (A2)		d; check all that app — Water-St MLRA	oly) ained Leave	es (B9) (Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
Depth (in lemarks: /DROLO /etland Hy /rimary India	drology Indicators: cators (minimum of o Water (A1) ater Table (A2)		d; check all that app Water-St MLRA Salt Crus	oly) ained Leave A 1, 2, 4A, a t (B11)	es (B9) (Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
Depth (in emarks: /DROLO /etland Hy rimary India Surface High Wa Saturati	drology Indicators: cators (minimum of o Water (A1) ater Table (A2)		d; check all that app Water-St MLRA Salt Crus	oly) ained Leave	es (B9) (Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
Depth (in temarks: /DROLO /etland Hy rimary India Surface High Wa Saturati Water M	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)		d; check all that app Water-St: MLRA Salt Crus — Aquatic I	oly) ained Leave A 1, 2, 4A, a t (B11)	es (B9) (and 4B) s (B13)		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
Depth (in emarks: /DROLO /etland Hy rimary India Surface High Wa Saturati Water Males Sedime	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)		d; check all that app Water-St MLRA Salt Crus Aquatic II	ained Leave A 1, 2, 4A, a t (B11) nvertebrate	es (B9) (and 4B) s (B13) dor (C1)	except	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
Depth (in temarks: /DROLO /etland Hy /rimary India Surface High Water Mater Mater Mater Mater Depth (in temarks)	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)		d; check all that app Water-St: MLRA Salt Crus Aquatic II Hydroger Oxidized	ained Leave A 1, 2, 4A, a t (B11) nvertebrate n Sulfide Oo Rhizosphe	es (B9) (and 4B) s (B13) dor (C1) res along	except g Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Coots (C3) — Geomorphic Position (D2)
Depth (in lemarks: POROLO Petland Hy rimary India Surface High Wa Saturati Water M Sedime Drift De Algal M:	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence	ained Leave 1, 2, 4A, a t (B11) nivertebrate n Sulfide Oc Rhizosphe e of Reduce	es (B9) (and 4B) s (B13) dor (C1) res alonged Iron (C	except g Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Depth (in lemarks: //DROLO //etland Hy //rimary India // Saturati // Water March // Sedime // Drift De // Algal March // Iron De	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)		d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent Ir	ained Leave 1, 2, 4A, a t (B11) nvertebrate n Sulfide Oc Rhizospher of Reduce	es (B9) (and 4B) s (B13) dor (C1) res alonged Iron (Con in Till	except g Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in emarks: /DROLO /etland Hy rimary India Surface High Was Saturati Water Mac Sedime Drift De Algal Mal Iron Del Surface	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	ne require	d; check all that app — Water-St: MLRA — Salt Crus — Aquatic II — Hydroger — Oxidized — Presence — Recent Ir — Stunted o	ained Leave 1, 2, 4A, a t (B11) nvertebrate n Sulfide Oc Rhizospher of Reduce on Reduction Stressed	es (B9) (and 4B) s (B13) dor (C1) res along d Iron (Con in Till Plants (except g Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (in emarks: /DROLO /etland Hy rimary India Surface High Water Magal Mag	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	ne require	d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent Ir Stunted c Other (Ex	ained Leave 1, 2, 4A, a t (B11) nvertebrate n Sulfide Oc Rhizospher of Reduce	es (B9) (and 4B) s (B13) dor (C1) res along d Iron (Con in Till Plants (except g Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in emarks: /DROLO /etland Hy rimary India Surface High Water Management Sedime Drift De Algal Management Iron De Surface Inundat Sparsel	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave	ne require	d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent Ir Stunted c Other (Ex	ained Leave 1, 2, 4A, a t (B11) nvertebrate n Sulfide Oc Rhizospher of Reduce on Reduction Stressed	es (B9) (and 4B) s (B13) dor (C1) res along d Iron (Con in Till Plants (except g Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (in Remarks: POROLO Petland Hy Primary India Surface High Water M Sedime Drift De Algal Malloron Del Surface Inundate Sparsel	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave vations:	magery (B	d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent lr Stunted c 7) Other (Ex	ained Leave 1, 2, 4A, a t (B11) nvertebrate n Sulfide Oc Rhizospher of Reduce on Reduction Stressed	es (B9) (and 4B) s (B13) dor (C1) res along d Iron (Con in Till Plants (except g Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (in Remarks: POROLO Petland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Algal Mail Iron De Surface Inundati Sparsel Field Obser	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave reations:	magery (B	d; check all that app Water-St MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent lr Stunted c 7) Other (Ex	ained Leave 1, 2, 4A, a t (B11) nivertebrate n Sulfide Oc Rhizosphele of Reduce on Reduction or Stressed xplain in Re	es (B9) (and 4B) s (B13) dor (C1) res along d Iron (Con in Till Plants (except g Living Ro	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (in Remarks: YDROLO Yetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron Del Surface Inundati Sparsel Field Obser Surface Water Table Saturation F	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y	magery (Bes	d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent lr Stunted of Other (Exterior) No Depth (ii	ained Leave A 1, 2, 4A, a It (B11) Invertebrate In Sulfide Oc Rhizosphe In Greduce In Reduction To Stressed In Reduction	es (B9) (and 4B) s (B13) dor (C1) res alonged Iron (Con in Till Plants (emarks)	g Living Ro C4) ed Soils (C D1) (LRR	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Primary India Surface High Water M Sedime Drift De Algal M Iron De Surface Inundat Sparsel Field Obser Surface Water Table Saturation P includes ca	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave vations: ter Present? Y	magery (Bes	d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent lr Stunted co Other (Exist) No Depth (ii	ained Leave 1, 2, 4A, a t (B11) Invertebrate In Sulfide Oc Rhizosphei In Greduce In Stressed Inches): Inches): Inches):	es (B9) (and 4B) s (B13) dor (C1) res alonged Iron (Con in Till Plants (emarks)	g Living Ro (C4) ed Soils (C (D1) (LRR /	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary India Surface High Water M Sedime Drift De Algal M Iron De Surface Inundat Sparsel Field Obser Surface Water Table Saturation P includes ca Describe Re	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y Present? Y Present? Y Present? Y Present? Y	magery (Bes	d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent lr Stunted co Other (Exist) No Depth (ii	ained Leave 1, 2, 4A, a t (B11) Invertebrate In Sulfide Oc Rhizosphei In Greduce In Stressed Inches): Inches): Inches):	es (B9) (and 4B) s (B13) dor (C1) res alonged Iron (Con in Till Plants (emarks)	g Living Ro (C4) ed Soils (C (D1) (LRR /	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Pepth (in Remarks: YDROLO Yetland Hy Primary India Surface High Water Management Sedime Drift De Algal Management Iron Dep Surface Inundate Sparsel Field Observation Perincludes ca	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Y Present? Y Present? Y Present? Y Present? Y	magery (Bes	d; check all that app Water-St: MLRA Salt Crus Aquatic li Hydroger Oxidized Presence Recent lr Stunted co Other (Exist) No Depth (ii	ained Leave 1, 2, 4A, a t (B11) Invertebrate In Sulfide Oc Rhizosphei In Greduce In Stressed Inches): Inches): Inches):	es (B9) (and 4B) s (B13) dor (C1) res alonged Iron (Con in Till Plants (emarks)	g Living Ro (C4) ed Soils (C (D1) (LRR /	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Coots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Lowerhole

Project/Site: Bean day	r see stee	County:		Sampling Date:
Applicant/Owner:				Sampling Point: 58 417
investigator(s):	Sec			
Landform (hillslope, terrace, etc.):				Slone (%): 19
Subregion (LRR):	Lot: 4D	. 27997	Long: -124.08	667 Datum: NAB
Soil Map Unit Name:			NWI classifi	
Are climatic / hydrologic conditions on the				
Are Vegetation, Soil, or Hy			Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hy	drology naturally probler	natic? (If ne	eded, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS - Att			ocations, transect	s, important features, etc.
Hydrophytic Vegetation Present?	Yes X No	9.500.000		
Hydric Soil Present?	Yes No	Is the Sampled	1 1/	No
Wetland Hydrology Present?	Yes No	within a Wetlar		
	of lowest eleva			om plot 4, which
is ~ 2 feet higher, n.	0	SFAC Dom	nt	
VEGETATION – Use scientific n	names of plants.			
To Obstant (District		ominant Indicator	Dominance Test wor	
Tree Stratum (Plot size:		oecies? Status	Number of Dominant S That Are OBL, FACW	
1			mat Ale OBE, I AOV	, 011 AO (A)
2.			Total Number of Domi Species Across All Str	A Section of the sect
4				
7.	- 0 = 1	Total Cover	Percent of Dominant S That Are OBL, FACW	
Sapling/Shrub Stratum (Plot size:5		-	Prevalence Index wo	Marie Charles and Artist Charles
1. Rubus Wimifalius	_60	FAC	Total % Cover of:	
2			Action to the second se	x1=
3				x 2 =
4		-	FAC species	x 3 =/
5				x 4 =
Herb Stratum (Plot size:		Total Cover	UPL species	x 5 =
1.			Column Totals:	(A) (B)
2			Prevalence Inde	y = R/Δ =
3.	7		Hydrophytic Vegetat	
4.				Hydrophytic Vegetation
5,			2 - Dominance Te	est is >50%
6			3 - Prevalence In	dex is ≤3.0¹
7			4 - Morphological	Adaptations ¹ (Provide supporting
8				ks or on a separate sheet)
9.			5 - Wetland Non-	
10				ophytic Vegetation ¹ (Explain)
11.				oil and wetland hydrology must sturbed or problematic.
Manda Vina Charles (Distains)		otal Cover		200 2 2 2 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1
Woody Vine Stratum (Plot size: 1	/		Undraph 41a	
2.			Hydrophytic Vegetation	\sim)
	=1	otal Cover	Present?	'es No
% Bare Ground in Herb Stratum		S. 44. 44. 44. 44. 44. 44. 44. 44. 44. 4		
Remarks: A Consided FA	chec (see plot 4	od 1)		

Profile Description: (Description: Most	iv	D-4-	v Facture -					and the state of t
Depth <u>Matr</u> (inches) Color (moist		Color (moist)	x Features	Type ¹	_Loc²	Texture		Remarks
0-01 1048 3/	1	5/0416	3	O	100		20 0	Remarks
0 -14 10 49 51	1 10	11/1	B/75		10	Dangy C	. /	-0111 100
7-18 10/8 31	1 60	106/	10		1// >	andy Clay	7 7	pebbly, 10%
10 yr 5/6	20	10/R5/8	10		N	Sondycla	5 loan	A 0.
		5 R 2.3/1	41		M		_	121% mangares
23								
- An		-						
Type: C=Concentration, D=	Depletion PM=	Paducad Matrix CS	S=Covered	or Coat	d Sand Cr	roine 21		PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Ap					su Sanu Gr			Problematic Hydric Soils ³ :
_ Histosol (A1)		Sandy Redox (S					cm Muck	
Histic Epipedon (A2)		Stripped Matrix						t Material (TF2)
_ Black Histic (A3)		Loamy Mucky N	Mineral (F1)	(excep	t MLRA 1)			ow Dark Surface (TF12)
_ Hydrogen Sulfide (A4)		Loamy Gleyed I				_ 0	ther (Exp	olain in Remarks)
_ Depleted Below Dark Su Thick Dark Surface (A12		Depleted Matrix Peday Dark Sur				3,		
Sandy Mucky Mineral (S		Redox Dark Sur Depleted Dark S	H 200 C 40 2 6 12 6	7)				ydrophytic vegetation and irology must be present,
Sandy Gleyed Matrix (S4		Redox Depress		,				rbed or problematic.
estrictive Layer (if presen							-30 0,010	, and or problematic.
Type:								
						Add a find a find		- (V)
E to		7.3× 5				Hydric Sc	oil Prese	nt? Yes X No
remarks:	ors:	2.3- 3				Hydric So	oil Prese	nt? Yes X No
Portion of the state of the sta		; check all that apply	y)					
Pemarks: **TOROLOGY **Vetland Hydrology Indicate		; check all that apple		s (B9) (e	xcept		ondary l	ndicators (2 or more required)
/DROLOGY /etland Hydrology Indicate		Water-Stai			xcept		ondary li Water-S	
POROLOGY Vetland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3)		Water-Stai	ned Leave		xcept		ondary li Water-S 4A, a	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2
/DROLOGY /etland Hydrology Indicatorimary Indicators (minimum _ Surface Water (A1) _ High Water Table (A2) X Saturation (A3) _ Water Marks (B1)		Water-Stai	ned Leave 1, 2, 4A, ar (B11)	nd 4B)	xcept		ondary li Water-S 4A, a Drainage	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2
/DROLOGY /etland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen	ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd	(B13) or (C1)	16-	Sec	wondary li Water-S 4A, a Drainage Dry-Sea Saturatio	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (C
Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R	ned Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere	(B13) or (C1) es along	Living Roo	Sec	wondary li Water-S 4A, a Drainage Dry-Sea Saturatie Geomor	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Ciphic Position (D2)
Verland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence	ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced	(B13) or (C1) es along	Living Root	Sec.	ondary li Water-S 4A, a Drainage Dry-Sea Saturatie Geomor Shallow	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (C3) phic Position (D2) Aquitard (D3)
Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	of one required	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o	ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced n Reduction	(B13) or (C1) es along I Iron (C4)	Living Room	Sec	ondary li Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Caphic Position (D2) Aquitard (D3) utral Test (D5)
Verland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	of one required	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or	ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reduction Stressed F	(B13) or (C1) es along I Iron (C4) n in Tille	Living Root	<u>Sec</u>	ondary li Water-S 4A, a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne Raised	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Ci phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)
Verland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei	of one required	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp	ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reduction Stressed F	(B13) or (C1) es along I Iron (C4) n in Tille	Living Room	<u>Sec</u>	ondary li Water-S 4A, a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne Raised	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Caphic Position (D2) Aquitard (D3) utral Test (D5)
Verland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	of one required	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp	ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reduction Stressed F	(B13) or (C1) es along I Iron (C4) n in Tille	Living Room	<u>Sec</u>	ondary li Water-S 4A, a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne Raised	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Ci phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)
Verland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei	of one required ial Imagery (B7 cave Surface (B	Water-Stai Mira Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced n Reduction Stressed F olain in Ren	(B13) or (C1) es along I Iron (C4) n in Tille	Living Room	<u>Sec</u>	ondary li Water-S 4A, a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne Raised	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Ci phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aei Sparsely Vegetated Condicted Observations:	of one required ial Imagery (B7 cave Surface (E	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ined Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced in Reduction Stressed Folain in Ren	(B13) or (C1) es along I Iron (C4) n in Tille	Living Room	<u>Sec</u>	ondary li Water-S 4A, a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne Raised	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Ci phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Considered Water Present? Vater Table Present?	of one required ial Imagery (B7 cave Surface (E Yes	Water-Stai MirA Salt Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced n Reduction Stressed Folain in Ren ches):	(B13) (B13) or (C1) es along I Iron (C4) n in Tille Plants (D narks)	Living Room A) d Soils (C6 1) (LRR A) Wetla	ts (C3)	ondary li Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised / Frost-He	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Caphic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)
Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Concileid Observations: urface Water Present?	of one required ial Imagery (B7 cave Surface (E Yes	Water-Stai MirA Salt Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odd Rhizosphere of Reduced n Reduction Stressed Folain in Ren ches):	(B13) (B13) or (C1) es along I Iron (C4) n in Tille Plants (D narks)	Living Room A) d Soils (C6 1) (LRR A) Wetla	ts (C3)	ondary li Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised / Frost-He	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Caphic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)
Vetland Hydrology Indicate rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Considered Water Present? Vater Table Present?	of one required ial Imagery (B7 cave Surface (E Yes	Water-Stai MirA Salt Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Leave 1, 2, 4A, ar (B11) vertebrates Sulfide Odo Rhizosphere of Reduced n Reduction Stressed F olain in Ren ches): ches): ches): ches):	(B13) (B13) or (C1) es along I Iron (C4) n in Tille Plants (D narks)	Living Room d Soils (C6 1) (LRR A) Wetla pections), i	ts (C3) X	ondary li Water-S 4A, a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne Raised / Frost-He	ndicators (2 or more required) tained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery (Caphic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)



Partial Plot

Project/Site:	see sh	eet 1	City/Co	untv		0	2-6
Applicant/Owner: Open D	our Heal.	th			State:		
Investigator(s):					ange:	_ Sampling Pol	int: OD (9
Landform (hillslope, terrace, etc.):	Herne Car	HACE I			convex, none):ho	~	Slone (%): <
Subregion (LRR):	11.2		to 8	7967	Long: -124.086	0	Ciope (10)
Soil Map Unit Name:	as-leagn	Lat.	0.0				Datum: NAD
		Maria di Lancia		· ·	NWI classif	ication:	ore
Are climatic / hydrologic conditions on Are Vegetation, Soil, o	the site typical for	this time of ye	ear? Yes				14
Are Vegetation, Soil, 0	r Hydrology _/v	significantly	disturbe		"Normal Circumstances"		the state of the s
Are Vegetation, Soil, o				7,000	eeded, explain any answ		
SUMMARY OF FINDINGS - A	Attach site ma	ap showing	samp	ling point l	ocations, transect	s, important	features, etc
Hydrophytic Vegetation Present?	Yes X	No		1 1 1 1 1	17 77	-	Washington De
Hydric Soil Present?		1		s the Sample		6	À
Wetland Hydrology Present?	Yes	No X	W	vithin a Wetla	nd? Yes	No <u>(X</u>	_)
Remarks:							
VEGETATION LIST STATE		7.44-					
VEGETATION - Use scientific	names of pla	ants.					
Tree Stratum (Plot size:	1	Absolute % Cover		ant Indicator s? Status	Dominance Test work		
1. Salix hook		60	<u>Specie</u> . ✓	- FACW	Number of Dominant S	pecies	3
2.			-	- 1/11/10	That Are OBL, FACW,		(A)
3					Total Number of Domir Species Across All Stra		3
4				17		17	(B)
Sanling/Shark Start (Dist.)		60	= Total	Cover	Percent of Dominant S That Are OBL, FACW,	pecies	00 (A/R)
Sapling/Shrub Stratum (Plot size:					Prevalence Index wor		(A/B)
1					Total % Cover of:		iply by:
23,				-	OBL species		
4					FACW species		
5.		-				x 3 =	
			= Total (Cover	FACU species		
Herb Stratum (Plot size:		17.0	rotare	-	UPL species	x 5 =	
1. Fes peran		15		FAC	Column Totals:	(A)	(B)
2. Anostice		_15_	->	FAC	Prevalence Index	= B/A =	
3. Attem triag	-		N		Hydrophytic Vegetatio		
5					1 - Rapid Test for H	lydrophytic Vege	etation
5					2 - Dominance Tes	t is >50%	
6 7		=			3 - Prevalence Inde		
8.					4 - Morphological A data in Remarks	daptations1 (Pro	ovide supporting
9		75.00			5 - Wetland Non-Va		le sneet)
10					Problematic Hydrop		n¹ (Evolain)
11,				· ·	¹ Indicators of hydric soil		
		31 =	Total Co	over	be present, unless distu	rbed or problem	atic.
Noody Vine Stratum (Plot size:							
1					Hydrophytic		
2.		-			Vegetation Present? Yes	No No	
% Bare Ground in Herb Stratum			Total Co	over	Tes	- NO-	_
Remarks:							
							93

ofile Description	n: (Describe to	the depth	needed to document the indicator or conf	rm the absence of	or indicators.)
epth	Matrix		Redox Features		
	olor (moist)	<u>%</u> _	Color (moist) % Type ¹ Loc ²	Texture	Remarks
		<u> </u>			
vpe: C=Concen	tration, D=Deple	etion, RM=	Reduced Matrix, CS=Covered or Coated Sand	Grains. ² Loc	ation: PL=Pore Lining, M=Matrix.
ydric Soil Indica	ators: (Applica	ble to all L	.RRs, unless otherwise noted.)	Indicato	rs for Problematic Hydric Soils ³ :
_ Histosol (A1)		/	Sandy Redox (S5)		Muck (A10)
_ Histic Epipedo	on (A2)	/	Stripped Matrix (S6)	A 10 CO	Parent Material (TF2)
Black Histic (A			Loamy Mucky Mineral (F1) (except MLRA		Shallow Dark Surface (TF12) er (Explain in Remarks)
_ Hydrogen Sul		5.00	Loamy Gleyed Matrix (F2)	Othe	er (Explain in Kemarks)
	w Dark Surface	(A11)	Depleted Matrix (F3)	3Indicato	rs of hydrophytic vegetation and
_ Thick Dark Su			Redox Dark Surface (F6)		nd hydrology must be present,
_ Sandy Mucky			Depleted Dark Surface (F7) Redox Depressions (F8)		s disturbed or problematic.
_ Sandy Gleyed			Redox Depressions (Fo)	1	
estrictive Layer	(if present):				
Type:					
				II. data Catt	December Vos No
Depth (inches) Remarks:	<u> </u>		partial plat	Hydric Soil	Present? Yes No
Depth (inches) Remarks:			partial plat	Hydric Soil	Present? Yes No
Depth (inches) Remarks: YDROLOGY			partial plat		
Depth (inches) temarks: YDROLOGY Vetland Hydrology	ogy Indicators:				Present? Yes No
Depth (inches) temarks: YDROLOGY Vetland Hydrolo Primary Indicator	ogy Indicators: s (minimum of c		d; check all that apply)	Seco	
Depth (inches) remarks: YDROLOGY Vetland Hydrolo rimary Indicators Surface Wate	ogy Indicators: s (minimum of c er (A1)			Seco	ndary Indicators (2 or more required)
Depth (inches) remarks: YDROLOGY Vetland Hydrolo Primary Indicators Surface Wate High Water 1	ogy Indicators: s (minimum of c er (A1) Table (A2)		d; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Seco</u> V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2,
Depth (inches) emarks: YDROLOGY Vetland Hydrolo Primary Indicators Surface Wate High Water T Saturation (A	ogy Indicators: s (minimum of co er (A1) Table (A2)		d; check all that apply) Water-Stained Leaves (B9) (except	Secon	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Primary Indicators Surface Water High Water T Saturation (A Water Marks	ogy Indicators: s (minimum of cer (A1) Table (A2) s3) (B1)		d; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Secon	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2)
Primary Indicators Surface Water T Saturation (A Water Marks Sediment De	ogy Indicators: s (minimum of o er (A1) Table (A2) (3) (B1) eposits (B2)		d; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	<u>Seco</u> V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2)
Depth (inches) emarks: **TOROLOGY** Vetland Hydrology**	ogy Indicators: s (minimum of cer (A1) Table (A2) (33) (B1) eposits (B2) s (B3)		d; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Seco V C C S Roots (C3) (ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9
Depth (inches) emarks: YDROLOGY Vetland Hydrolo rimary Indicators Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or	ogy Indicators: s (minimum of cer (A1) fable (A2) (A3) (B1) eposits (B2) s (B3) Crust (B4)		d; check 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 — Presence of Reduced Iron (C4)	Secon V S S Roots (C3) S s (C6) F	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Pepth (inches) Pemarks: YDROLOGY Vetland Hydrology Vetland Hydrology Surface Wate High Water Tage Saturation (Age) Water Marks Sediment December 1 Algal Mat or Iron Deposits	ogy Indicators: s (minimum of o er (A1) Table (A2) A3) (B1) eposits (B2) s (B3) Crust (B4) s (B5)		d; check 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	Secon V C S Roots (C3) C S S (C6) F	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3)
Depth (inches) emarks: YDROLOGY Vetland Hydrolo Primary Indicators Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Surface Soil	ogy Indicators: s (minimum of corer (A1) Table (A2) ta) (B1) eposits (B2) s (B3) Crust (B4) s (B5) Cracks (B6)	ne required	d; check 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 Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LF	Secon V S S Roots (C3) C S s (C6) F RR A) F	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Depth (inches) Femarks: YDROLOGY Vetland Hydrolo Primary Indicators Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Surface Soil Inundation V Sparsely Ve	ogy Indicators: s (minimum of cer (A1) Table (A2) (B1) eposits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) Visible on Aerial getated Concav	ne required	d: check 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 Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LF) Other (Explain in Remarks)	Secon V S S Roots (C3) C S s (C6) F RR A) F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Orainage Patterns (B10) Ory-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Project/Site: 505 - 121 - 031	City	County: Hun	mboldt/Arcata Sampling Date: 2-21-19
Applicant/Owner: OPEN DOOF HEALT	N .		State: CA Sampling Point: 10 000
Investigator(s): _ Claire Brown	Sec	tion, Township, Ra	ange: TOGN/ROIE SEC 29 H Arcata
Landform (hillslope, terrace, etc.): Slape of for	bowl depolis Coc	al relief (concave	convex, none): Concall Slope (%): 5
Subregion (LRR):	Lat: 40	87996	Long: -124, 08670 Datum: NA08
Soil Map Unit Name: Timmon 5-leon!	Jolln Gint		NWI classification: NO NE
Are climatic / hydrologic conditions on the site typical for	or this time of year?	Ves No	//f no explain in Remarks)
Are Vegetation / Soil / or Hydrology /	significantly distri	rbad? Ara	"Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology	significantly disto		
			eeded, explain any answers in Remarks.)
A control of the first of the control of the contro		mpling point I	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes		Is the Sample	d Area
. (I, 7) 4 (I, 1) 4 (I)	No X	within a Wetlan	
Demode			
All disturbence his	toric		
VEGETATION – Use scientific names of p	lants.		
Tree Stratum (Plot size: 5 m)		minant Indicator	Dominance Test worksheet:
1. Alma (Plot size:	% Cover Spe		Number of Dominant Species 7
2.	20	Y FAICH	That Are OBL, FACW, or FAC: (A)
3.			Total Number of Dominant
4			Species Across All Strata: (B)
	70 = To	otal Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	70	+	That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet:
1. Rubus ulmifolius	_ 10_	Y JAC	Total % Cover of: Multiply by:
2. Bacchar, Pilstons		<u>~</u>	OBL species x1 =
3			FACW species x 2 =
4 5			FAC species x 3 =
	75 = To	tal Cover	FACU species x 4 =
Herb Stratum (Plot size: 5 m)		ital Covel	UPL species x 5 =
1			Column Totals: (A) (B)
2			Prevalence Index = B/A =
3			Hydrophytic Vegetation Indicators:
5			1 - Rapid Test for Hydrophytic Vegetation
6.			2 - Dominance Test is >50%
7.			3 - Prevalence Index is ≤3.0¹
8.			 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
9			5 - Wetland Non-Vascular Plants ¹
10			Problematic Hydrophytic Vegetation¹ (Explain)
11			¹ Indicators of hydric soil and wetland hydrology must
Mondy Vine Stratum (Plat size	= Tota	al Cover	b∈ present, unless disturbed or problematic.
Noody Vine Stratum (Plot size:) 1			
2.		·	Hydrophytic Vegetation
		al Cover	Present? Yes No
% Bare Ground in Herb Stratum			
Remarks: Mown-cov-off	206 clm br	is don Fes	6 065.
-A-	assignad FA		20.1.0.20
X	assignat th		

	cription: (Becombe	to the dop	th needed to docur			or commi	i the absence	or maleutors.,
epth	Matrix Calar (maint)	%	Color (moist)	x Features %	Type ¹	Loc ²	Texture	Remarks
nches)	Color (moist)	99		/1	rype	ΔΔ.	Clayloam	saturated from recent re
)-12	107172	71	10 y R 4/8	-1-	-	PL	C. A. Jones	
4	ATT IN S		2.5 YR 4/8	<u> </u>				Reday fentur, shipellike PLb
-19	10 y R 3/3	67		سيسد	4			have no living rots associated
	10 YR 5/4	30	54R4/6	3_	<u></u>			
	-		-			_		- SAL T
		_			_			·
	Concentration, D=Dep	olotion PM	- Peduced Matrix C	S=Covered	d or Coate	ed Sand G	rains. ² Loc	cation: PL=Pore Lining, M=Matrix.
ype: C=C	Indicators: (Applie	able to all	LRRs. unless othe	rwise note	ed.)	ca Caria C		ors for Problematic Hydric Soils ³ :
Histoso			Sandy Redox (2 cr	m Muck (A10)
	Epipedon (A2)		Stripped Matrix					d Parent Material (TF2)
_	Histic (A3)		Loamy Mucky	Mineral (F	1) (excep	t MLRA 1		y Shallow Dark Surface (TF12)
Hydrog	en Sulfide (A4)		Loamy Gleyed		2)		Oth	er (Explain in Remarks)
	ed Below Dark Surface	ce (A11)	Depleted Matri				3Indicate	ors of hydrophytic vegetation and
	Dark Surface (A12)		Redox Dark St Depleted Dark					and hydrology must be present,
	Mucky Mineral (S1) Gleyed Matrix (S4)		Redox Depres		1)			ss disturbed or problematic.
_ Salidy	Gleyed Matrix (04)		_ Rodox Bopros	010110 (1 0)			-	No product acceptance of the control
estrictive	Laver (if present):							
	Layer (if present):							
Туре:							Hydric Soi	Il Present? Yes No X
Туре:	Layer (if present):		lofs at	Fry	₹1 43	cks o		Present? YesNo_X
Type: Depth (i Remarks:	nches):			Fry	£1 12	cks a		
Type: Depth (i Remarks: YDROL	nches): OGY ydrology Indicators				£1 12	cks a	y Deva	el below 7 inches
Type: Depth (i Permarks: YDROLO Vetland H	OGY Verology Indicators Vicators (minimum of		ed; check all that app	oly)			A genv	ondary Indicators (2 or more required)
Type: Depth (i emarks: YDROLI Vetland H Primary Ind Surface	OGY Varology Indicators dicators (minimum of		ed; check all that app	oly) ained Leav	ves (B9) (A genv	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
Type: Depth (i demarks: YDROLO Vetland H Primary Inc Surfac High V	OGY ydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2)		ed; check all that app — Water-St	oly) ained Leav	ves (B9) (Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
Type: Depth (i emarks: YDROL Vetland H Primary Inc Surfac High V Satura	OGY ydrology Indicators dicators (minimum of be Water (A1) Vater Table (A2) ution (A3)		ed; check all that app Water-St MLRA Salt Crus	oly) ained Leav A 1, 2, 4A, st (B11)	ves (B9) (and 4B)		Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
Type: Depth (i remarks: YDROLO Vetland H Primary Inc Surfac High V Satura Water	OGY ydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) stion (A3) Marks (B1)		ed; check all that app — Water-St MLRA — Salt Crus — Aquatic I	oly) ained Leav A 1, 2, 4A, st (B11) nvertebrate	ves (B9) (and 4B) es (B13)		Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type: Depth (i Demarks: YDROLO Yetland H Primary Inc Surfac High V Satura Water Sedim	OGY ydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) tition (A3) Marks (B1) tent Deposits (B2)		ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydroge	oly) ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C	ves (B9) (and 4B) es (B13)	except	Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Type: Depth (i Remarks: YDROLE YDROLE YURIAN H Primary Inc Surfac High V Satura Water Sedim Drift D	OGY Vydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) stion (A3) Marks (B1) tent Deposits (B2) teposits (B3)		ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydroger Oxidized	oly) ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C	ves (B9) (and 4B) es (B13) odor (C1) eres alone	except g Living Ro	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
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Type: Depth (i emarks: **TDROLO Vetland H Primary Inc Surfac High V Satura Water Sedim Drift D Algal I Iron D	OGY Vydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) stion (A3) Marks (B1) thent Deposits (B2) theposits (B3) Wat or Crust (B4) the posits (B5)		ed; check all that app — Water-St MLRA — Salt Crus — Aquatic I — Hydroger — Oxidized — Presence — Recent In	oly) ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C	ves (B9) (and 4B) es (B13) odor (C1) eres along ed Iron (C	except g Living Ro	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS) Geomorphic Position (D2) Shallow Aquitard (D3)
Type: Depth (i emarks: YDROLO Vetland H Primary Inc Surfac High V Satura Water Sedim Drift D Algal I Iron D Surfac	OGY Vydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) tition (A3) Marks (B1) tent Deposits (B2) teposits (B3) Mat or Crust (B4) teposits (B5) te Soil Cracks (B6)	one require	ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydrogel Oxidized Presence Recent II	ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C Rhizosphe e of Reduction Reduction Reduction	ves (B9) (and 4B) es (B13) odor (C1) eres along ed Iron (Cition in Till d Plants (except g Living Ro	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (i emarks: YDROLO Vetland H Primary Inc Surfac High V Satura Water Sedim Drift D Algal I Iron D Surfac Inunda	OGY Vydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) ation (A3) Marks (B1) thent Deposits (B2) theposits (B3) Mat or Crust (B4) the posits (B5) the Soil Cracks (B6) the contract of the posits (B6) the contract of the posits (B6) the soil Cracks (B6) the contract of the posits (B6)	one require	ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydrogel Oxidized Presence Recent II Stunted (B7)	oly) ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C Rhizosphe e of Reduc	ves (B9) (and 4B) es (B13) odor (C1) eres along ed Iron (Cition in Till d Plants (except g Living Ro	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type: Depth (i Temarks: YDROLO YDROLO Yetland H Primary Inc Surfac High V Satura Water Sedim Drift D Algal I Iron D Surfac Inunda Spars	OGY Vydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) tition (A3) Marks (B1) tent Deposits (B2) teposits (B3) Mat or Crust (B4) teposits (B5) te Soil Cracks (B6)	one require	ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydrogel Oxidized Presence Recent II Stunted (B7)	ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C Rhizosphe e of Reduction Reduction Reduction	ves (B9) (and 4B) es (B13) odor (C1) eres along ed Iron (Cition in Till d Plants (except g Living Ro	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type: Depth (i Temarks: YDROLO YDROLO Yetland H Primary Inc Surfac High V Satura Water Sedim Drift D Algal I Iron D Surfac Inunda Spars Field Obs	DGY ydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) stion (A3) Marks (B1) thent Deposits (B2) the posits (B3) Mat or Crust (B4) the posits (B5) the Soil Cracks (B6) ation Visible on Aeria the process of the posits (B5) the selection of th	one require	ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydrogel Oxidized Presence Recent II Stunted (B7)	ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C Rhizosphe e of Reduct ron Reduct or Stressed xplain in R	ves (B9) (and 4B) es (B13) dor (C1) eres along ed Iron (C tion in Till d Plants (emarks)	except g Living Ro	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type: Depth (i Remarks: YDROLO Vetland H Primary Inc Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars Field Obs	OGY Vydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) Intion (A3) Marks (B1) International (B4) Intern	I Imagery (ve Surface	ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydroger Oxidized Presence Recent Ir Stunted (B8)	ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C Rhizosphe e of Reduct or Stressed xplain in R	ves (B9) (and 4B) es (B13) odor (C1) eres along ed Iron (Cition in Till d Plants (emarks)	except g Living Ro	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type: Depth (i Remarks: YDROLO Wetland H Primary Inc Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars Field Obs	DGY Vydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) tition (A3) Marks (B1) tent Deposits (B2) teposits (B3) Mat or Crust (B4) teposits (B5) te Soil Cracks (B6) tation Visible on Aeria tely Vegetated Concatervations: Vater Present?	I Imagery (ve Surface	ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydroger Oxidized Presence Recent In Stunted of B7) Other (E	ained Leava A 1, 2, 4A, st (B11) invertebrate in Sulfide Con Reduction Reduc	ves (B9) (and 4B) es (B13) odor (C1) eres along ed Iron (Cition in Till d Plants (emarks)	except g Living Ro (24) ed Soils (0 D1) (LRR	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Type: Depth (i Remarks: YDROLE YDROLE YURIAND Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inund: Spars Field Obs Surface W Water Tab	DGY Vydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) tition (A3) Marks (B1) tent Deposits (B2) teposits (B3) Mat or Crust (B4) teposits (B5) te Soil Cracks (B6) tation Visible on Aeria tely Vegetated Concatervations: Vater Present?	I Imagery (ve Surface Yes Yes Yes	ed; check all that app Water-St MLRA Salt Crus Aquatic I Hydroger Oxidized Presence Recent Ir Stunted (E) (B8) No X Depth (IV) No X Depth (IV)	ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C Rhizosphe e of Reduct ron Reduct or Stressed xplain in R inches): inches): inches): inches): inches):	ves (B9) (and 4B) es (B13) dor (C1) eres along ed Iron (C tion in Till d Plants (emarks)	g Living Ro	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Type: Depth (i Temarks: YDROLO Vetland H Primary Inc Surface High V Satura Water _ Sedim _ Drift D _ Algal I Iron D _ Surface Inund: Spars Field Obs Surface W Water Tab	pogy ydrology Indicators dicators (minimum of the Water (A1) Vater Table (A2) tition (A3) Marks (B1) tent Deposits (B2) teposits (B3) Mat or Crust (B4) teposits (B5) the Soil Cracks (B6) ation Visible on Aeria tely Vegetated Concatervations: Vater Present? The Present? The Present? The Present of Capillary fringe of Capilla	I Imagery (ve Surface Yes Yes Yes m gauge, r	ed; check all that appropriate with the control of	ained Leav A 1, 2, 4A, st (B11) nvertebrate n Sulfide C Rhizosphe e of Reduct ron Reduct or Stressed xplain in R inches): inches): inches): al photos, p	ves (B9) (and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Till d Plants (emarks)	g Living Ro	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Rec'd ComDev 06-07-19 WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Applicant/Owner:See pre-	only/County:	Sampli	ing Date: L = / - 4
	1000	43.7	nig bate.
nvestigator(s):	600	State:	Sampling Point:
andform (hillslope, terrace, etc.):	Secti	ion, Township, Range:	
andform (hillslope, terrace, etc.):	Local relief (c	concave, convex, none): Cancave	Slope (%):
9 (- ")	Lat:90 .	8/984 Long: -124.	0867 Datum:
a respective tradition		ARAZI -1	10 11
re climatic / hydrologic conditions on the site ty	pical for this time of year? Y	oc V No III	in Remarks)
or Hydrolog	IV / significantly disturt	had? A "**	ces" present? Yes
re Vegetation, Soil, or Hydrolog	ynaturally problema	The second secon	
UMMARY OF FINDINGS - Attach s	ito man abaut	atic? (If needed, explain any a	inswers in Remarks.)
UMMARY OF FINDINGS – Attach s	nte map snowing sam	ipling point locations, trans-	ects, important features,
Hudrig Call D	No		
Wetland Hydrology Present? Yes _	No _X	Is the Sampled Area	
Remarks:	No	within a Wetland? Yes	(No X
Remarks: N 5 ft douslage at	SofPlotIC	all distirbachis	Har
		and and of but in	1611
CETATION II			
EGETATION – Use scientific names	of plants.		
ree Stratum (Plot size: 5 m 2)	Absolute Dom	inant Indicator Dominance Test w	vorksheet:
Alnus rubern	% Cover Spec	Status Number of Domina	
	13 1	That Are OBL, FAC	CW, or FAC: (A)
		Total Number of Do	ominant
		Species Across All	Strata: Z (B)
	15	Percent of Dominar	
epling/Shrub Stratum (Plot size: 5 m ²	= Total	That Are OBL, FAC	W, or FAC: 100 (A/B
- 12 May 2 2 May 1 M. 1 P. 1	10	Prevalence Index v	
		Total % Cover of	of: Multiply by:
		OBL species	x1=
		FACW species	x 2 =
		FAC species	x 3 =
	= Total	Cover FACU species	x 4 =
rb Stratum (Plot size:)		UPL species	x 5 =
		Column Totals:	(A)(B)
		Prevalence Ind	ev = R/A -
		- Hydrophytic Vegeta	ation Indicators:
			or Hydrophytic Vegetation
			est is >50%
		3 - Prevalence In	
		—4 - Morphologica	Adaptations ¹ (Provide
			ta in Remarks or on a separate
		5 - Wetland Non-	Vascular Dionta ¹
			ophytic Vegetation¹ (Explain)
	24.7.00	- Indicators of hydric s	oil and wetland hydrology must
ody Vine Stratum (Plot size:)	= Total Co	be present, unless dis	sturbed or problematic.
		Hydrophytic	
	= Total Co	Vegetation	
are Ground in Herb Stratum			esNo

eou.

	20	4182
Sampling Point:	20	100

epth	ription: (Describe Matrix		Redo	x Features	T1	Loc²	Texture	Remarks
ches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	LOC		
-13	10 YR 3/2	99	104R5/8	- 4		<u> </u>	chyloan	
- 18	10 YR4/2	93	54R 518	7	C	PL	11	
						_		
	-		D. L d Matrix C	S-Cover	ed or Coat	ed Sand Gr	ains. ² Loc	eation: PL=Pore Lining, M=Matrix.
ype: C=C	Concentration, D=De	oletion, RM=	Reduced Matrix, C	erwise no	ted.)	od odna o.	Indicato	rs for Problematic Hydric Soils ³ :
	Indicators: (Appli	cable to all	Sandy Redox	(S5)				Muck (A10)
Histoso			Stripped Matri				Red	Parent Material (TF2)
	pipedon (A2)		Loamy Mucky	Mineral (F	1) (excep	t MLRA 1)	Very	Shallow Dark Surface (TF12)
	Histic (A3)		Loamy Gleyed			A CONTRACTOR OF THE PARTY OF TH	Oth	er (Explain in Remarks)
Hydrog	jen Sulfide (A4) ed Below Dark Surfa	ce (A11)	Depleted Matr					
	oark Surface (A12)	ce (ATT)	Redox Dark S	urface (F6	6)		³ Indicato	ors of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted Dark	Surface	(F7)		wetla	and hydrology must be present,
Sandy	Gleyed Matrix (S4)		Redox Depres	ssions (F8	3)		unles	ss disturbed or problematic.
	Layer (if present):			*			¥-	
Type: _							Lindria Sai	Present? YesNo
							Hydric 30i	
Depth (i	inches):		ots of travi	· Ar	than C	n(K)	Hydric 30i	
Remarks:	.OGY	10	ots of travi	s ds	ina (1cks		
Remarks:	.OGY -lydrology Indicator) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c			ina L	n(K)	Seo	ondary Indicators (2 or more required)
YDROL Wetland H	.OGY Hydrology Indicator Idicators (minimum o) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that a	oply)			Seo	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
YDROL Wetland F Primary In Surface	OGY Hydrology Indicator dicators (minimum o) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that ar	oply) Stained Le	aves (B9)	(except	Sec	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
YDROL Wetland F Primary In Surface High	OGY Hydrology Indicator Idicators (minimum o ce Water (A1) Water Table (A2)) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that ar Water-\$ MLF	oply) Stained Le		(except	Seco	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
YDROL Wetland F Primary In Surface High V	OGY Hydrology Indicator Idicators (minimum of Idicators (A1) Water Table (A2) Idicators (A3)) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that ar Water-\ MLF Salt Cro	oply) Stained Le RA 1, 2, 4/ ust (B11)	eaves (B9)	(except	Seco	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
YDROL Wetland F Primary In Surfac High V Satur Water	OGY Hydrology Indicator dicators (minimum of ce Water (A1) Water Table (A2) ration (A3) r Marks (B1)) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that an Water-S MLF Salt Cro Aquatic	oply) Stained Le RA 1, 2, 4/ ust (B11)	eaves (B9) A, and 4B ates (B13)	(except	Seco	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9
YDROL Wetland F Primary In Surfac High V Satur Water Sedin	OGY Hydrology Indicator Idicators (minimum of Idicators (A1) Water Table (A2) Idion (A3) In Marks (B1) In Marks (B1) In Ment Deposits (B2)) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that an Water-S MLF —_Salt Cri —_Aquatic Hydrog	oply) Stained Le RA 1, 2, 4, ust (B11) Invertebr	eaves (B9) A, and 4B; ates (B13) Odor (C1	(except	Seco	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
YDROL Wetland F Primary In Surfac High V Satura Water Sedin Drift I	OGY Hydrology Indicator Idicators (minimum of Idicators (Minimum of Idicators (M1) Water Table (A2) Idion (A3) If Marks (B1) In Marks (B1) In Marks (B2) Deposits (B3)) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that an — Water-S MLF — Salt Cro — Aquatio — Hydrog — Oxidizeo	oply) Stained Le RA 1, 2, 4 ust (B11) Invertebr en Sulfide	eaves (B9) A, and 4B eates (B13) e Odor (C1	(except)))) g Living Roo	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3)
YDROL Wetland F Primary In Surfac High V Satur Water Sedin Drift I Algal	OGY Hydrology Indicators Indicators (minimum of the control of th) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that an — Water-S MLF — Salt Cru — Aquatio — Hydrog — Oxidizeo — Presen	oply) Stained Le RA 1, 2, 4 ust (B11) Invertebr en Sulfide Rhizosph	eaves (B9) A, and 4B ates (B13) e Odor (C1 neres along uced Iron	(except)))) g Living Roc	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Drift I Algal Iron I	OGY Hydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) Pation (A3) In Marks (B1) Internet Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5)) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ed; check all that ar — Water-S MLF — Salt Cri — Aquatic — Hydrog — Oxidized — Presen — Recent	oply) Stained Le RA 1, 2, 4 ust (B11) Invertebr en Sulfide Rhizosph ace of Red t Iron Red	eaves (B9) A, and 4B; ates (B13) e Odor (C1 neres along uced Iron ouction in T	(except))) g Living Roc (C4) illed Soils (C	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland F Primary In Surfac High Satur Water Sedin Drift I Algal Iron I Surfac	DOGY Hydrology Indicators dicators (minimum of ce Water (A1) Water Table (A2) Pation (A3) In Marks (B1) In Marks (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) Ace Soil Cracks (B6)	s: f one require	ed; check all that and water-state of the control o	oply) Stained Le RA 1, 2, 4/ ust (B11) Invertebr en Sulfide I Rhizosph ace of Red I Iron Red d or Stress	eaves (B9) A, and 4B; ates (B13) Odor (C1) neres along uced Iron uction in T sed Plants	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Drift [Algal Iron [Surfac	Hydrology Indicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer	s: f one require	ed; check all that and Water-S MLF Salt Cro Aquation Hydrog Oxidized Present Recent Stunte	oply) Stained Le RA 1, 2, 4/ ust (B11) Invertebr en Sulfide I Rhizosph ace of Red I Iron Red d or Stress	eaves (B9) A, and 4B; ates (B13) e Odor (C1 neres along uced Iron ouction in T	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Iron I Surfac	Deposits (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer sely Vegetated	s: f one require	ed; check all that and Water-S MLF Salt Cro Aquation Hydrog Oxidized Present Recent Stunte	oply) Stained Le RA 1, 2, 4/ ust (B11) Invertebr en Sulfide I Rhizosph ace of Red I Iron Red d or Stress	eaves (B9) A, and 4B; ates (B13) Odor (C1) neres along uced Iron uction in T sed Plants	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Iron I Surfac	Hydrology Indicators (minimum of ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer	s: f one require	ed; check all that and water-S MLF Salt Cri Aquatic Under Green Stunte B7) Other G	oply) Stained Le RA 1, 2, 4 ust (B11) Invertebr en Sulfide Rhizosph ice of Red t Iron Red d or Stress (Explain in	eaves (B9) A, and 4B; ates (B13) e Odor (C1 neres along uced Iron uction in T sed Plants a Remarks	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland F Primary In Surfac Y High V Satur Water Sedin Drift I Algal Iron I Surfac Inunc	Deposits (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer sely Vegetated	s: f one require fal Imagery (cave Surface	ed; check all that and Water-S MLF Salt Cri Aquatic Hydrog Oxidized Present Stunte B7) (B8) No \(\) Depti	oply) Stained Le RA 1, 2, 4 ust (B11) Invertebr en Sulfide Rhizosph ice of Red tiron Red d or Stress (Explain in	eaves (B9) A, and 4B; ates (B13) e Odor (C1 neres along uced Iron uction in T sed Plants a Remarks	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR	Secondary Second	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland F Primary In Surfac High V Satur Water Sedin Drift I Algal Iron I Surfac Spar	Hydrology Indicators (minimum of ce Water (A1)) Water Table (A2) ation (A3) or Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aeresely Vegetated Conceservations:	s: f one require tal Imagery (ed; check all that anWater-\$ MLFSalt CroAquationHydrogOxidizedPresenRecentStunter B7)Other (c) e (B8) NoDepti	oply) Stained Le RA 1, 2, 4, ust (B11) Invertebr In Sulfide Rhizosph Ince of Red In Iron Red In Grant Red Ince of	eaves (B9) A, and 4B eates (B13) e Odor (C1 neres along uced Iron uction in T sed Plants a Remarks	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR	Secu-	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Iron I Surfac Inunc Spar Field Ob Surface V Water Ta	Deposits (B5) ace Soil Cracks (B6) dation Visible on Aersely Vegetated Condiservations: Water Present?	s: f one require ial Imagery (eave Surface Yes Yes X	ed; check all that anWater-\$ MLFSalt CroAquationHydrogOxidizedPresenRecentStunter B7)Other (c) e (B8) NoDepti	oply) Stained Le RA 1, 2, 4 ust (B11) Invertebr en Sulfide Rhizosph ice of Red tiron Red d or Stress (Explain in	eaves (B9) A, and 4B eates (B13) e Odor (C1 neres along uced Iron uction in T sed Plants a Remarks	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR	Secu-	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Iron I Surfac Inunc Spar Field Ob Surface V Water Ta Saturatio	Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer servations: Water Present? able Present?	s: f one require al Imagery (cave Surface Yes Yes Yes	ed; check all that are Water-S MLF Salt Cri Aquatic Hydrog Oxidized Presen Recent Stunte B7) Other ((B8) No \(\) Depti No \(\) Depti	oply) Stained Le RA 1, 2, 4, ust (B11) Invertebrate Sulfide Rhizosphace of Red In ron Red of or Stress (Explain in	eaves (B9) A, and 4B; ates (B13) e Odor (C1 neres along uced Iron uction in T sed Plants n Remarks	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR)	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Iron I Surfac Inunc Spar Field Ob Surface V Water Ta Saturatio	Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer servations: Water Present? able Present? and idicators (minimum of control (A2) adicators (Mathematical (Mathemat	s: f one require al Imagery (cave Surface Yes Yes Yes	ed; check all that are Water-S MLF Salt Cri Aquatic Hydrog Oxidized Presen Recent Stunte B7) Other ((B8) No \(\) Depti No \(\) Depti	oply) Stained Le RA 1, 2, 4, ust (B11) Invertebrate Sulfide Rhizosphace of Red In ron Red of or Stress (Explain in	eaves (B9) A, and 4B; ates (B13) e Odor (C1 neres along uced Iron uction in T sed Plants n Remarks	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR)	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Iron I Surfac Inunc Spar Field Ob Surface V Water Ta Saturatio	Indicators (minimum of ce Water (A1) Water Table (A2) ation (A3) In Marks (B1) Intent Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) Indicators (B6) Indicators (B2) Indicators (Minimum of Indicators (B2) Indica	s: f one require al Imagery (cave Surface Yes Yes Yes Yes am gauge,	ed; check all that an —Water-S MLF —Salt Cri —Aquatic —Hydrog —Oxidized —Presen —Recent —Stunte B7) —Other ((B8) No	oply) Stained Le RA 1, 2, 4/ ust (B11) Invertebrate Sulfide Rhizosphate of Red Intron Red of Stress (Explain in (inches):	eaves (B9) A, and 4B eates (B13) e Odor (C1 neres along uced Iron uction in T sed Plants a Remarks	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR)	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROL Wetland F Primary In Surfac X High V X Satur Water Sedin Iron I Surfac Inunc Spar Field Ob Surface V Water Ta Saturatio	Indicators (minimum of ce Water (A1) Water Table (A2) ation (A3) In Marks (B1) Intent Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) Indicators (B6) Indicators (B2) Indicators (Minimum of Indicators (B2) Indica	s: f one require al Imagery (cave Surface Yes Yes Yes Yes am gauge,	ed; check all that are Water-S MLF Salt Cri Aquatic Hydrog Oxidized Presen Recent Stunte B7) Other ((B8) No \(\) Depti No \(\) Depti	oply) Stained Le RA 1, 2, 4/ ust (B11) Invertebrate Sulfide Rhizosphate of Red Intron Red of Stress (Explain in (inches):	eaves (B9) A, and 4B eates (B13) e Odor (C1 neres along uced Iron uction in T sed Plants a Remarks	(except)) g Living Roc (C4) illed Soils (C4) (C1) (LRR)	Second Se	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

vestigator(s):	Se	ction, Township	State: , Range:	_ Sampling Point:	1
bregion (LRR):		odon, rownship	, Native.		
bregion (LRR):	10	cal relief (conce	Δ 3.		
il Map Unit Name:	Lat: HO	F7907	ive, convex, none):	Slope (%	6):
	Lat	, 01.183	Long: -124, 08	673 Datum: _	
e climatic / hydrologic conditions on the site typical f	and the second		NWI classit	ication:nare	
e climatic / hydrologic conditions on the site typical file.	or this time of year?	YesX_ N	o (If no, explain in	Remarks.)	
e Vegetation Soil A	significantly dist	urbed? A	re "Normal Circumstances"	present? YesX	No
Vegetation, Soil, or Hydrology	naturally probler	matic? (I	f needed evolain any angu-		
JMMARY OF FINDINGS – Attach site m	ap showing sa	mpling poin	it locations, transect	important feet	
103 /	_ No		The second second	s, important featur	es, e
ydric Soil Present? Yes	No X	Is the Samp			
etland Hydrology Present? Yes X	_ No	within a Wet	tland? Yes	_ No(X)	
emarks: 5st below plot 2c					_
	* mo	5.4.5			
CETATION	~ 10110	WA			1
GETATION – Use scientific names of p	lants.				
ee Stratum (Plot size: 5 h 2)	Absolute Doi	minant Indicator	Dominance Test work	sheet:	_
Alnuroba	% Cover Spe		Number of Dominant S	necies a	
		Y FAC	That Are OBL, FACW,	or FAC:	(A)
			Total Number of Domin	ant	
			Species Across All Stra	a: <u>2</u>	(B)
	75 = To	tal Cover	Percent of Dominant Sp	ecies	
oling/Shrub Stratum (Plot size:		nai cover	That Are OBL, FACW, o	rFAC:	(A/E
Rubusulmifolium	_ 70	X FAC	Prevalence Index work		
			I Obligation in Cover of:	Multiply by:	-
			EACW appairs	x 1 =	_
			FACW species	x 2 =	-
	70 -	7.4	FAC species	x3=	-
Stratum (Plot size:)	= Tot	al Cover	UPL species	X 4 =	•
			Column Totals:	X5=	- (0)
					- (B)
			Prevalence Index =	B/A =	
			Hydrophytic Vegetation		
			1 - Rapid Test for Hy 2 - Dominance Test i	arophytic Vegetation	
			3 - Prevalence Index		
			4 - Morphological Add		s are
			data in Remarks of	r on a separate sheet)	orting
			5 - Wetland Non-Vas	cular Plants ¹	
			Problematic Hydrophy	tic Vegetation¹ (Explain))
			Indicators of hydric soil a	nd wetland hydrology mu	ıst
ly Vine Stratum (Plot size:)	= Total		be present, unless disturb	ed or problematic.	
			1222 T. 15		
		7 5000	Hydrophytic Vegetation	V	
	= Total	Cover	Present? Yes _	X No	
re Ground in Herb Stratum		1,7621			

file Desc	ription: (Describe t	o the dep	oth needed to docur	nent the ir	ndicator	or confirm	the absence		
pth	Matrix		Redo	x reatures	5	Loc ²	Texture	Remarks	
ches)	Color (moist)	%	Color (moist)	%	Type'		TCAtare		
-18	10 YR 3/2	88	104R6/1	4	0		Claylo	AM M	_
18	10/18-12	-00	10 /R 5/6	5	(~	1		_
			FURS 18	7	1	10	V		
		=	5/6/10						
C=(Concentration, D=Dep	oletion. R	M=Reduced Matrix, C	S=Covere	ed or Coa	ted Sand G	rains. ² L	ocation: PL=Pore Lining, M=Matrixators for Problematic Hydric Soils	C. 3.
ype: C=C	Indicators: (Applic	able to a	II LRRs, unless other	erwise not	ted.)			cm Muck (A10)	
Histos			Sandy Redox	(55)			_ ²	ted Parent Material (TF2)	
	Epipedon (A2)		Stripped Matri	ix (S6)	-4) /	-4 MI DA 1		ery Shallow Dark Surface (TF12)	
Black I	Histic (A3)		Loamy Mucky	Mineral (F	-1) (exce	pt wicks 1)	, — ;	Other (Explain in Remarks)	
Hydrog	gen Sulfide (A4)		Loamy Gleyer Depleted Mat		-)		-		
	ed Below Dark Surfa	ce (A11)	Redox Dark S	Surface (F6	3)		3Indic	ators of hydrophytic vegetation and	
_ Thick	Dark Surface (A12)		Depleted Dar	k Surface ((F7)		We	etland hydrology must be present,	
_ Sandy	Mucky Mineral (S1) Gleyed Matrix (S4)		Redox Depre				ur	nless disturbed or problematic.	
_ Sandy	e Layer (if present):								<u></u>
Type: _									X)
4	(inches):	lots of	f drain of r	Mrr)	des		Hydric S	Soil Present? Yes No	
Depth (Remarks:	(inches):	lots of	family ed s	Hrn	de		Hydric S	Soil Present? Yes No	
Depth (Remarks:	(inches):		f drawn who	btr 17	des				uired)
Depth (Remarks:	(inches):	s:	uired; check all that a	pply)				econdary Indicators (2 or more requ	uired)
Depth of Remarks: YDROL Wetland Primary I	(inches):	s:	uired; check all that a	pply) Stained Le	eaves (B9) (except		econdary Indicators (2 or more requ Water-Stained Leaves (B9) (ML	uired) RA 1, 2,
Primary II	LOGY Hydrology Indicator	s:	uired; check all that a Water- MLI	pply) Stained Le	eaves (B9) (except		econdary Indicators (2 or more requ Water-Stained Leaves (B9) (MLI 4A, and 4B)	uired) RA 1, 2,
Primary li Surfa YHIGH	LOGY Hydrology Indicator ndicators (minimum o ace Water (A1) Water Table (A2)	s:	uired; check all that a Water- MLI Salt Cr	pply) Stained Le RA 1, 2, 4A rust (B11)	eaves (B9 A, and 4E	3)		econdary Indicators (2 or more requ Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10)	uired) RA 1, 2,
YDROL Wetland Primary II Surfa X High	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) ration (A3)	s:	uired; check all that a Water- MLI Salt Cr Aquati	pply) Stained Le RA 1, 2, 4A rust (B11) c Invertebr	eaves (B9 A, and 4E	3) 3)		econdary Indicators (2 or more regi Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)	RA 1, 2,
YDROL Wetland Primary II Surfa X High X Satu Wate	LOGY Hydrology Indicator adicators (minimum of ace Water (A1) Water Table (A2) ration (A3) er Marks (B1)	s:	uired; check all that a Water- MLI Salt Cr Aquati	pply) Stained Le RA 1, 2, 4A rust (B11) c Invertebra	eaves (B9 A, and 4E ates (B13	3) 3) 1)	S	wecondary Indicators (2 or more regit Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image	RA 1, 2,
YDROL Wetland Primary II Surfa X High X Satu Wate Sedi	LOGY Hydrology Indicator ndicators (minimum of ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) ment Deposits (B2)	s:	uired; check all that a Water- MLI Salt Cr Aquati Hydrog Oxidiz	pply) Stained Le RA 1, 2, 44 rust (B11) c Invertebragen Sulfide ed Rhizosp	eaves (B9 A, and 4E ates (B13 e Odor (C oheres al	3) 3) 1) ong Living F	S	water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imag Geomorphic Position (D2)	RA 1, 2,
YDROL Wetland Primary II Surfa X High X Satu Wate Sedi Drift	LOGY Hydrology Indicator adicators (minimum of ace Water (A1) Water Table (A2) ration (A3) er Marks (B1)	s:	uired; check all that a Water- MLI Salt Cr Aquati Hydrog Oxidiz	stained Le RA 1, 2, 44 rust (B11) c Invertebragen Sulfide ed Rhizospance of Red	eaves (B9 A, and 4E ates (B13 e Odor (C oheres al	3) 1) ong Living F 1 (C4)	Soots (C3)	Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3)	RA 1, 2,
YDROL Wetland Primary II Surfa X High X Satu Wate Sedi Drift Alga Iron	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicator (A3) Indicator (B4) Deposits (B3) If Mat or Crust (B4) Deposits (B5)	s:	uired; check all that a Water- MLI Salt Cr Aquatic Hydrog Oxidiz Preset	stained Le RA 1, 2, 44 rust (B11) c Invertebra gen Sulfide ed Rhizospa nce of Red at Iron Reda	eaves (B9 A, and 4E ates (B13 a Odor (C oheres all aced Iror action in	3) 1) ong Living F n (C4) Tilled Soils	Soots (C3)	Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)	RA 1, 2, gery (C9
YDROI Wetland Primary II Surfa X High X Satu Wate Sedi Drift Alga Iron Surfa	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicator (A3) Indicator (B4) I	s: f one requ	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunte	spply) Stained Le RA 1, 2, 44 rust (B11) c Invertebragen Sulfide ed Rhizospance of Red at Iron Redied or Stress	eaves (B9 A, and 4E ates (B13 e Odor (Copheres all luced Iron uction in sed Plant	3) 1) ong Living F n (C4) Tilled Soils es (D1) (LRF	Soots (C3)	Mecondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLI) AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR	RA 1, 2, gery (C9
YDROI Wetland Primary II Surfa X High X Satu Wate Drift Alga Iron Surfa	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicator (A3) Indicator (B4) Deposits (B3) If Mat or Crust (B4) Deposits (B5)	s: fone requ	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunter	stained Le RA 1, 2, 44 rust (B11) c Invertebra gen Sulfide ed Rhizospa nce of Red at Iron Reda	eaves (B9 A, and 4E ates (B13 e Odor (Copheres all luced Iron uction in sed Plant	3) 1) ong Living F n (C4) Tilled Soils es (D1) (LRF	Soots (C3)	Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)	RA 1, 2, gery (C9
YDROI Wetland Primary II Surfa X High X Satu Wate Sedi Drift Alga Iron Surfa Inur Spa	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicator (A3) Indicator (B4) Indicator (B4) Indicator (B4) Indicator (B5) Indicator (B6) I	s: fone requ	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunte Ty (B7) Other Ace (B8)	Stained Le RA 1, 2, 44 rust (B11) c Invertebra gen Sulfide ed Rhizospance of Red at Iron Redu ed or Stress (Explain in	eaves (B9 A, and 4E ates (B13 e Odor (C oheres all uced Iror uction in sed Plant n Remark	3) 1) ong Living F n (C4) Tilled Soils es (D1) (LRF	Soots (C3)	Mecondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLI) AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR	RA 1, 2, gery (C9
Primary II Wetland Primary II Surfa Yate Sedi Drift Alga Iron Surfa Inur Spa Field Ol	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Indicators (B3) Indicators (B3) Indicators (B4) Indicators (B4) Indicators (B5) Indicators (B6) Indicators (B6	s: f one required in the second in the secon	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunte ry (B7) No \(\) Dept	stained Le RA 1, 2, 44 rust (B11) c Invertebragen Sulfide ed Rhizospance of Red at Iron Red ed or Stress (Explain in	eaves (B9 A, and 4E ates (B13 e Odor (C oheres al- uced Iror uction in sed Plant n Remark	3) 1) ong Living F n (C4) Tilled Soils es (D1) (LRF	Soots (C3)	Mecondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLI) AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR	RA 1, 2, gery (C9
YDROI Wetland Primary II Surfa X High X Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field OI Surface	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Indicators (B3) Indicators (B3) Indicators (B4) Indicators (B5) Indicators (B5) Indicators (B6) Indicators (B6	s: f one required in the second in the secon	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunte ry (B7) No Dept No Dept	stained Le RA 1, 2, 4A rust (B11) c Invertebra gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress (Explain in	eaves (B9 A, and 4E ates (B13 Odor (Coheres all uced Iron uction in sed Plant n Remark	3) 3) 1) ong Living F n (C4) Tilled Soils (as (D1) (LRF) s)	Roots (C3)	Mater-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR Frost-Heave Hummocks (D7)	RA 1, 2, gery (C9
YDROI Wetland Primary II Surfa X High X Satu Usta Iron Surfa Inur Spa Field Ol Surface Water T Saturati	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Water Table (B2) Deposits (B3) Indicators (B4) Deposits (B5) Indicators (B6) I	s: f one required in the second in the secon	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunte Ty (B7) Ace (B8) No Dept No Dept No Dept	pply) Stained Le RA 1, 2, 44 rust (B11) c Invertebra gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress (Explain in th (inches):	aves (B9 ates (B13 e Odor (Coheres all uced Iror uction in sed Plant n Remark	B) 3) 1) ong Living F n (C4) Tilled Soils as (D1) (LRF s)	Roots (C3)	Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR Frost-Heave Hummocks (D7)	RA 1, 2,
YDROI Wetland Primary II Surfa X High X Satu Usta Iron Surfa Inur Spa Field Ol Surface Water T Saturati	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Water Table (B2) Deposits (B3) Indicators (B4) Deposits (B5) Indicators (B6) I	s: f one required in the second in the secon	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunte Ty (B7) Ace (B8) No Dept No Dept No Dept	pply) Stained Le RA 1, 2, 44 rust (B11) c Invertebra gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress (Explain in th (inches):	aves (B9 ates (B13 e Odor (Coheres all uced Iror uction in sed Plant n Remark	B) 3) 1) ong Living F n (C4) Tilled Soils as (D1) (LRF s)	Roots (C3)	Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR Frost-Heave Hummocks (D7)	RA 1, 2,
YDROI Wetland Primary II Surfa X High X Satu Usta Iron Surfa Inur Spa Field Ol Surface Water T Saturati	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Water Table (B2) Deposits (B3) Indicators (B4) Deposits (B5) Indicators (B6) I	s: f one required in the second in the secon	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunte Other ace (B8) No Dept No Dept No Dept No Dept Dept No Dept Dept	pply) Stained Le RA 1, 2, 4A rust (B11) c Invertebra gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress (Explain in th (inches): th (inches): th (inches):	aves (B9 ates (B13 e Odor (Coheres all uced Iror uction in sed Plant n Remark	3) 3) 1) ong Living F n (C4) Tilled Soils (as (D1) (LRF) s) us inspection	Roots (C3)	Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR Frost-Heave Hummocks (D7)	RA 1, 2,
YDROI Wetland Primary II Surfa X High X Satu Usta Iron Surfa Inur Spa Field Ol Surface Water T Saturati	LOGY Hydrology Indicators (minimum of ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) ment Deposits (B2) Deposits (B3) all Mat or Crust (B4) Deposits (B5) face Soil Cracks (B6) adation Visible on Aer resely Vegetated Conconservations: Water Present? able Present? as capillary fringe) e Recorded Data (str	s: f one required in the second in the secon	uired; check all that a Water- MLI Salt Cr Aquatir Hydrog Oxidiz Preser Recen Stunte Ty (B7) Ace (B8) No Dept No Dept No Dept	pply) Stained Le RA 1, 2, 4A rust (B11) c Invertebra gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress (Explain in th (inches): th (inches): th (inches):	aves (B9 ates (B13 e Odor (Coheres all uced Iror uction in sed Plant n Remark	3) 3) 1) ong Living F n (C4) Tilled Soils (as (D1) (LRF) s) us inspection	Roots (C3)	Water-Stained Leaves (B9) (MLI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Image Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR Frost-Heave Hummocks (D7)	RA 1, 2,

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region 5-el 15st sheet

City/County:

Sampling Date: 2-21-19 Project/Site: Applicant/Owner: Open Door Health State: _____ Sampling Point: __/C Investigator(s): ___ Section, Township, Range: Landform (hillslope, terrace, etc.): de prossio Local relief (concave, convex, none): Con Cave Slope (%): Lat: 40,87982 Long: -124,08674 Datum: NADS Subregion (LRR): Soil Map Unit Name: ___ _ NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _____ No _ Are Vegetation ______, Soil ______, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Hydric Soil Present? Is the Sampled Area Wetland Hydrology Present? within a Wetland? Remarks: all distybra histori MOUN -VEGETATION - Use scientific names of plants. Tree Stratum (Plot size: 5M Absolute Dominant Indicator **Dominance Test worksheet:** 1. SALIX SITCHENSIS % Cover Species? Status Number of Dominant Species FACW That Are OBL, FACW, or FAC: 2. Alnus rubra Total Number of Dominant Species Across All Strata: Sapling/Shrub Stratum (Plot size: 5m²) = Total Cover Percent of Dominant Species That Are OBL, FACW, or FAC: 1. Rubusulmifolis Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x1=____ FACW species _____ x 2 = ____ FAC species _____ x 3 = ___ FACU species _____ x 4 = ____ fo _ = Total Cover Herb Stratum (Plot size: UPL species Column Totals: __ Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% __ 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) ___ 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size: _____) Hydrophytic Vegetation 90 = Total Cover Present? % Bare Ground in Herb Stratum Remarks: FAC assigned - Art listed - see report Tree statum calculated separal from Shrub, as

file Desc	cription: (Describe t	o the dep	tn needed to docum	. Cast		71 12 2 2 2 2 2 2		
pth	Matrix		Color (moist)	x Features	Type ¹	Loc ²	Texture	Remarks
ches)	Color (moist)	%	10 YR 5 /8	2	C	M	Charlons	tash
-8	10 YR 3/2	1		3 -	^		saduch	
-15	104R4/1	71	10 YR 5/2		D	<u>N1</u>	P I	9,000
			107R5/8	20		N	son1 sch	1)(100
	-		5R2 2.5/1	41	(M		mananel
				7.7				
		-						
			-					
					-	-	- 21	ocation: PL=Pore Lining, M=Matrix.
vne: C=C	Concentration, D=Dep	letion, RM	M=Reduced Matrix, C	S=Covered	or Coa	ted Sand G	irains. L	ntors for Problematic Hydric Soils ³ :
vdric Soi	Indicators: (Applic	able to al	I LRRs, unless other	erwise noted	1.)			cm Muck (A10)
Histoso			Sandy Redox	(85)			- 2 R	ed Parent Material (TF2)
	Epipedon (A2)		Stripped Matrix	x (S6)	/	ot MI DA 1		ery Shallow Dark Surface (TF12)
Black I	Histic (A3)		Loamy Mucky	Mineral (F1)	(exce	Pr merve i	, _ c	other (Explain in Remarks)
_ Hydrog	gen Sulfide (A4)	/ 4 4 4 4 4	Loamy Gleyed				-	
	ed Below Dark Surface	ce (A11)	Redox Dark S	Surface (F6)			3Indic	ators of hydrophytic vegetation and
	Dark Surface (A12)		Depleted Dark		7)		We	etland hydrology must be present,
_ Sandy	Mucky Mineral (S1) Gleyed Matrix (S4)		Redox Depres		,		ur	less disturbed or problematic.
	e Layer (if present):		_					
	e Layer (ii present)							Coll Present? Yes X No
								Soil Present? (Yes X No
Depth (Remarks:	(inches):						Hydric	Soil Present? (Yes X No
Remarks:							Hydric	OII Present
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Remarks:	_OGY Hydrology Indicator	s:		pply)				econdary Indicators (2 or more required)
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YDROL Wetland Primary In Surfa	LOGY Hydrology Indicator ndicators (minimum o	s:	iired; check all that an	pply) Stained Leav				econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
YDROL Wetland Primary In Surfa	_OGY Hydrology Indicator ndicators (minimum o ace Water (A1) Water Table (A2)	s:	iired; check all that ar Water-S MLF Salt Cri	Stained Leav R A 1, 2, 4A, a ust (B11)	and 4E	3)		econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
YDROL Wetland Primary Ir Surfa High	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Iration (A3)	s:	iired; check all that ar Water-S MLF Salt Cri	Stained Leav R A 1, 2, 4A, a ust (B11)	and 4E	3)		econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
YDROL Wetland Primary Ir Surfa High X Satu Wate	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Iration (A3) Iration (A3) Iration (B1)	s:	iired; check all that an — Water-S MLF — Salt Cru — Aquatic	Stained Leav RA 1, 2, 4A, a ust (B11) c Invertebrate	and 4E	3) 3)	S	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
YDROL Wetland Primary Ir Surfa High Satu Wate Sedi	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Iration (A3) Iration (A3) Iration (B1) Iration (B2)	s:	nired; check all that an Water-S MLF — Salt Cru — Aquatic — Hydrog — Oxidize	Stained Leav RA 1, 2, 4A, a ust (B11) c Invertebrate gen Sulfide O ed Rhizosphe	es (B13 odor (C eres al	3) 3) 11) ong Living	S	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2)
YDROL Wetland Primary Ir Surfa High Satu Wate Sedi Drift	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) ment Deposits (B2) Deposits (B3)	s:	ired; check all that an Water-S MLF — Salt Cru — Aquatic — Hydrog — Oxidize Presen	Stained Leav RA 1, 2, 4A, in ust (B11) convertebrate gen Sulfide Outlier ed Rhizosphe noce of Reduc	es (B13) dor (Ceres all	3) 3) 51) ong Living n (C4)	S Roots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3)
YDROL Wetland Primary Ir Surfa Y High Y Satu Wate Sedi Drift Alga	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Indicators (B3) Indicators (B4)	s:	nired; check all that an — Water-S MLF — Salt Cru — Aquatio — Hydrog — Oxidize — Presen Recent	Stained Leaver ARA 1, 2, 4A, 4 ust (B11) c Invertebrate gen Sulfide O ed Rhizosphence of Reduct ton Reduct	es (B13) dor (Ceres alged Iron	3) 3) 11) ong Living 1 (C4) Tilled Soils	S 	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROL Wetland Primary Ir Surfa Y High Y Satu Wate Drift Alga Iron	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Indicators (B2) Indicators (B3) Indicators (B4) Indicators (B4	s:	ired; check all that and Water-S MLF Salt Crit Aquatic Hydrog Oxidize Present Recent Stunted	Stained Leaver RA 1, 2, 4A, 3 ust (B11) convertebrate gen Sulfide Oed Rhizosphence of Reduction Reduction Stressed	es (B13) dor (Ceres alred Iron tion in	3) 3) c1) cong Living c1 (C4) Tilled Soils ts (D1) (LR	S 	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland Primary Ir Surfa X High X Satu Wate Drift Alga Iron Surf	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Indicators (B1) Indicators (B3) Indicators (B3) Indicators (B3) Indicators (B4) Indicators (B5) Indicators (B5) Indicators (B6) Indicators (B4) Indicators (B6) Indicators (B6	s: f one requ	ired; check all that ar Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunte	Stained Leaver ARA 1, 2, 4A, 4 ust (B11) c Invertebrate gen Sulfide O ed Rhizosphence of Reduct ton Reduct	es (B13) dor (Ceres alred Iron tion in	3) 3) c1) cong Living c1 (C4) Tilled Soils ts (D1) (LR	S 	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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YDROL Wetland Primary Ir Surfa Y High Y Satu Orift Alga Iron Surf	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1)) Water Table (A2) Indicators (B1) Indicators (B3) Indicators (B3) Indicators (B4) Indicators (B5) Indicators (B5) Indicators (B6) Indicators (s: f one requ	ired; check all that an Water-S MLF Salt Cro Aquation Hydrog Oxidizes Presen Recent Stuntes y (B7) Other (Stained Leaver RA 1, 2, 4A, 3 ust (B11) or Invertebrate gen Sulfide O ged Rhizosphence of Reduct Iron Reduct d or Stressed (Explain in R	es (B13) dor (Ceres alred Iron tion in	3) 3) c1) cong Living c1 (C4) Tilled Soils ts (D1) (LR	S 	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland Primary Ir Surfa Y High Y Satu Wate Sedi Drift Iron Surf	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Indicators (B3) Indicators (B3) Indicators (B4) Deposits (B3) Indicators (B4) Deposits (B5) Indicators (B6) In	s: f one requ	ired; check all that an Water-S MLF Salt Cru Aquatic Hydrog Oxidize Presen Recent Stunte y (B7) Other (Stained Leaver RA 1, 2, 4A, 3 ust (B11) convertebrate gen Sulfide O ged Rhizosphence of Reduct Iron Reduct dor Stressed (Explain in Reduction Redu	es (B13) dor (Ceres alred Iron tion in	3) 3) c1) cong Living c1 (C4) Tilled Soils ts (D1) (LR	S 	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Primary Ir Surfa YHigh Satu Wate Sedi Drift Alga Iron Surfa Inun Spa Field Ot Surface Water T Saturati	Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Water Table (A2) Indicators (B3) Indicators (B3) Indicators (B3) Indicators (B4) Deposits (B5) Indicators (B6) Indicator Visible on Aericusely Vegetated Conconservations: Water Present? Indicators (B4) Water Present? Indicators (B4) Indicators (B6) Indicators (B2) Indicators	s: f one required in the second in the secon	ired; check all that and Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunter y (B7) Other (ice (B8) No \(\) Depth	Stained Leaver RA 1, 2, 4A, 3 ust (B11) convertebrate gen Sulfide O ged Rhizosphence of Reduct Iron Reduct dor Stressed (Explain in Reduction Redu	es (B13) dor (Ceres alred Iron tion in	3) 3) cong Living on (C4) Tilled Soils ts (D1) (LR s)	Seconds (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Ir Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inun Spa Field Ot Surface Water T Saturati	Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Water Table (A2) Indicators (B3) Indicators (B3) Indicators (B4) Indicators (B5) Indicators (B5) Indicators (B6) Indicator Visible on Aericrely Vegetated Conconservations: Water Present? Indicators (B4) Water Present? Indicators (B4) Indicators (B6) Indicators (B2) Indicator	s: f one required in the second in the secon	ired; check all that ar Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunte (y (B7) Other (compare) Ince (B8) No Depth No Depth	Stained Leaver RA 1, 2, 4A, a ust (B11) convertebrate Green Sulfide Ored Rhizospherice of Reduct Iron Reduct dor Stresser (Explain in Reduction Reduction Reduction Reduction Reduction Reduction Reduction Reduction Reduction Respective (Explain in Reduction	es (B13) odor (Coeres alred Iron tion in d Plant temark	3) 3) c1) ong Living n (C4) Tilled Soils ts (D1) (LR s)	Roots (C3)(C6)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Ir Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inun Spa Field Ot Surface Water T Saturati	Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Indicators (B1) Water Table (A2) Indicators (B3) Indicators (B3) Indicators (B3) Indicators (B4) Deposits (B5) Indicators (B6) Indicator Visible on Aericusely Vegetated Conconservations: Water Present? Indicators (B4) Water Present? Indicators (B4) Indicators (B6) Indicators (B2) Indicators	s: f one required in the second in the secon	ired; check all that ar Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunte (y (B7) Other (compare) Ince (B8) No Depth No Depth	Stained Leaver RA 1, 2, 4A, a ust (B11) convertebrate Green Sulfide Ored Rhizospherice of Reduct Iron Reduct dor Stresser (Explain in Reduction Reduction Reduction Reduction Reduction Reduction Reduction Reduction Reduction Respective (Explain in Reduction	es (B13) odor (Coeres alred Iron tion in d Plant temark	3) 3) c1) ong Living n (C4) Tilled Soils ts (D1) (LR s)	Roots (C3)(C6)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROL Wetland Primary Ir Surfa Y High Y Satu High High High High High High High High	Hydrology Indicator indicators (minimum of ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) ment Deposits (B2) Deposits (B3) il Mat or Crust (B4) Deposits (B5) face Soil Cracks (B6) indation Visible on Aeri resely Vegetated Conconservations: Water Present? inable Present? inab	s: f one required in the second in the secon	ired; check all that ar Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunte (y (B7) Other (compare) Ince (B8) No Depth No Depth	Stained Leaver RA 1, 2, 4A, a ust (B11) convertebrate Green Sulfide Ored Rhizospherice of Reduct Iron Reduct dor Stresser (Explain in Reduction Reduction Reduction Reduction Reduction Reduction Reduction Reduction Reduction Respective (Explain in Reduction	es (B13) odor (Coeres alred Iron tion in d Plant temark	3) 3) c1) ong Living n (C4) Tilled Soils ts (D1) (LR s)	Roots (C3)(C6)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Ir Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inun Spa Field Ot Surface Water T Saturati	Hydrology Indicator indicators (minimum of ace Water (A1) Water Table (A2) ration (A3) er Marks (B1) ment Deposits (B2) Deposits (B3) il Mat or Crust (B4) Deposits (B5) face Soil Cracks (B6) indation Visible on Aeri resely Vegetated Conconservations: Water Present? inable Present? inab	s: f one required in the second in the secon	ired; check all that ar Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunte (y (B7) Other (compare) Ince (B8) No Depth No Depth	Stained Leaver RA 1, 2, 4A, a ust (B11) convertebrate Green Sulfide Ored Rhizospherice of Reduct Iron Reduct dor Stresser (Explain in Reduction Reduction Reduction Reduction Reduction Reduction Reduction Reduction Reduction Respective (Explain in Reduction	es (B13) odor (Coeres alred Iron tion in d Plant temark	3) 3) c1) ong Living n (C4) Tilled Soils ts (D1) (LR s)	Roots (C3)(C6)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/Site:	2 1 t sheet city/co	ounty:	Sampling Date: 2-21-1
- Princaria Officer.		State: CA	Sampling Date: 2 27
Investigator(s):	Section		
Landionn (missiope, terrace, etc.):	Land	att ex	
Subregion (LRR):Soil Map Unit Name:	Lat: 40	87979 (27/08/2017)	Slope (%): 7
Soil Map Unit Name:		Long:124, 08	Datum: NAO
Are climatic / hydrologic conditions on the site ty	pical for this time of year? Ve	NWI class	sification:
Are Vegetation , Soil , or Hydrolog	Significantly district		
Are Vegetation, Soil, or Hydrolog	significantly disturbe		s" present? Yes No
SUMMARY OF FINDINGS	riaturally problemation	c? (If needed, explain any ans	wers in Remarks.)
SUMMARY OF FINDINGS – Attach s Hydrophytic Vegetation Present?	ite map showing samp	ling point locations, transec	ts, important features, etc
the delication of the second o	No		- E A J
Wotland III I -		s the Sampled Area	
	No 🚫 W	vithin a Wetland? Yes	(<u>\</u>
IN Last appears to be h	vmmokaf fill - w	the meters willow, motel	The state business
		* MOWA	, and the contract
/EGETATION – Use scientific names	of plants	1010101	
Tree Stratum (Plot size: 5m)	Absolute Domina % Cover Species	ant Indicator Status Dominance Test wor	
1. SAFX silderis	20 V	A Number of Dominant	FAO. //
2			()
		Total Number of Domi Species Across All Str	. 7
4			
Sapling/Shrub Stratum (Plot size:	= Total (Percent of Dominant S That Are OBL, FACW,	// // /
1. Rubus ulmifolis	(D X	Daniel I	(A/B)
2		Total % Cover of:	
3.		OBL species	x 1 =
4.		FACW species	x 2 =
5		FAC species	x 3 =
	50 = Total C		x 4 =
Herb Stratum (Plot size:)	3000	UPL species	x 5 =
		Column Totals:	(A) (B)
		Prevalence Index	
	/	Hydrophytic Vegetation	on Indicators:
		1 - Rapid Test for H	lydrophytic Vegetation
		2 - Dominance Tes	
/		3 - Prevalence Inde	
		4 - Morphological A	daptations ¹ (Provide supporting
		5 - Wetland Non-Va	or on a separate sheet)
0			hytic Vegetation ¹ (Explain)
1		Indicators of hydric soil	and wetland bydrology must
oody Vine Stratum (Plot size:)	= Total Cov	be present, unless distur	bed or problematic.
(Flot size)			
		Hydrophytic	_
		Vegetation Present? Yes	\mathcal{M}
Bare Ground in Herb Stratum	= Total Cov	er Present? Yes	No.—
emarks:			
Α	signal		

ile Desci	ription: (Describe to t	he depth ne	eded to docur	nent the	indicator	OI COIIIIIII	i tilo abooti		Section 1		
ith	Matrix		Redo	x Feature %	Type	Loc ²	Texture			Remarks	
hes)	Color (moist)		olor (moist)	1.	D	M	Chal	Dan	redo	x featery	interprety
-20	10 /R 3/2		IN II				-0		tobes	ni liozal	clusions
		10	1R6/6		<u> </u>	<u></u>	-			disturbny	Imixina
							1		100	a 121	7
				-	-						
						-					
									DI - D-	- Lining M=	Matrix
ne: C=C	oncentration, D=Deplet	ion, RM=Red	duced Matrix, C	S=Cover	ed or Coat	ed Sand C	Grains.	Locations :	on: PL=Por	re Lining, M= natic Hydric	Soils ³ :
dric Soil	Indicators: (Applicab	le to all LRF	(S, unless our	el Wise III	oted.)				luck (A10)		
Histoso		_	Sandy Redox	(55)					arent Materi	al (TF2)	
	pipedon (A2)		Stripped Matri	ix (S6)	E4) /avaa	of MI DA		Very S	hallow Dark	Surface (TF	12)
Black H	listic (A3)	-	Loamy Mucky Loamy Gleyer	Matrix (F2)	PL MILICA	., –	Other ((Explain in F	Remarks)	
Hydrog	en Sulfide (A4)	(A44)	Depleted Mat		-)						
	ed Below Dark Surface	(A11)	Redox Dark S		6)		³ Ind	licators	of hydrophy	ytic vegetatio	n and
_ Thick D	Dark Surface (A12)	-	Depleted Dark				,	wetland	hydrology	must be pres	ent,
	Mucky Mineral (S1) Gleyed Matrix (S4)	_	Redox Depre					unless (disturbed or	problematic	
_ Sanuy	Layer (if present):										
Type: _			_						resent?	Vac	No V
							Liveleic		resent?	Yes	100
emarks:	inches):	8	iner anales	gress.	L. ti	aih	Hydric	3011 F			
Late Late 4	inches):	R	MA LOCKZ	. prese	L, to	ah	Hydric	3011 1			
emarks:		R	ur rocks	, prese	it, to	ash	Hydric	3011 -			
emarks:	OGY	R	ive rocks	, prese	-	ash	*				
YDROL	OGY	0			- L, to	ash	*	Second	dary Indicate	ors (2 or mor	e required)
YDROL Vetland H	OGY Hydrology Indicators: Idicators (minimum of o	0	check all that a	apply)			*	Second	dary Indicate	Leaves (B9	e required)) (MLRA 1, 2
YDROL Vetland H	OGY Hydrology Indicators: Idicators (minimum of or	0	check all that a	apply) Stained L	eaves (B9) (except	*	Second	dary Indicate ater-Stained 4A, and 4B	Leaves (B9	e required)) (MLRA 1, 2
YDROL Vetland Forimary In Surface High	OGY Hydrology Indicators: Idicators (minimum of or ce Water (A1) Water Table (A2)	0	check all that a Water-:	apply) Stained L RA 1, 2, 4	eaves (B9) (except	*	Second	dary Indicate ater-Stained 4A, and 4E ainage Patt	l Leaves (B9 3) erns (B10)) (MLRA 1, 2
YDROL Vetland F Primary In Surfac High	OGY Hydrology Indicators: Idicators (minimum of or Idicators (A1) Water Table (A2) Ination (A3)	0	check all that a Water-: MLI Salt Cr	spply) Stained L RA 1, 2, 4 rust (B11)	eaves (B9) (except	*	Second Wa	dary Indicate ater-Stained 4A, and 4E ainage Patt ry-Season V	l Leaves (B9 3) erns (B10) Vater Table () (MLRA 1, 2 C2)
YDROL Vetland H Surfac High Satur Water	OGY Hydrology Indicators: Idicators (minimum of or Idicators (A1) Water (A2) Idicators (A3) Idicators (A3) Idicators (B1)	0	check all that a Water- MLI Salt Cr Aquatic	spply) Stained L RA 1, 2, 4 rust (B11) c Inverteb	eaves (B9) (except	*	Second Wa Dr Dr Sa	dary Indicate ater-Stained 4A, and 4E ainage Patt y-Season V aturation Vis	I Leaves (B9 3) erns (B10) Vater Table (sible on Aeria	(MLRA 1, 2 C2) I Imagery (C
YDROL Vetland H Primary In Surfac High Satur Wate Sedin	OGY Hydrology Indicators: Idicators (minimum of or Idicators (A1) Water Table (A2) Idicator (A3) In Marks (B1) In Marks (B1) In Marks (B2)	0	check all that a Water ML! Salt Cr Aquatic	spply) Stained L RA 1, 2, 4 rust (B11) c Inverteb	eaves (B9 A, and 4E orates (B13 e Odor (C) (except 3) 3)	*	Second War Dr Dr Sa	dary Indicate ater-Stained 4A, and 4E vainage Patt ry-Season V aturation Viseomorphic F	I Leaves (B9 B) erns (B10) Vater Table (Sible on Aeria Position (D2)	(MLRA 1, 2 C2) I Imagery (C
YDROL Vetland F Primary In Surface High V Satur Water Sedin	OGY Hydrology Indicators: Idicators (minimum of or Idicators (Minimum of or Idicators (A1) Water Table (A2) Idicator (A3) Idicat	0	check all that a Water- MLI Salt Cr Aquatic Hydrog Oxidize	spply) Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re-	eaves (B9 A, and 4E rates (B13 e Odor (C spheres ald duced Iron) (except 3) 3) 1) ong Living	Roots (C3)	Second Wa Dr Dr Sa Ge St	dary Indicate ater-Stained 4A, and 4E ainage Patt ry-Season V aturation Vise eomorphic F hallow Aquit	I Leaves (B9) erns (B10) Vater Table (sible on Aeria Position (D2) tard (D3)	(MLRA 1, 2 C2) I Imagery (C
YDROL Vetland F Primary In Surfac High Satur Water Sedir Drift I	Hydrology Indicators: Idicators (minimum of or	0	check all that a Water MLI Salt Cr Aquatic Hydrog Oxidize Preser	spply) Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re	eaves (B9 A, and 4E orates (B13 e Odor (C spheres ald duced Iron duction in) (except 3) 3) 1) ong Living 1 (C4) Tilled Soils	Roots (C3)	Second Wa Dr Dr Sa GG SH	dary Indicate ater-Stained 4A, and 4E ainage Patt ry-Season V aturation Viseomorphic F hallow Aquit	I Leaves (B9 I) erns (B10) Vater Table (Sible on Aeria Position (D2) tard (D3) Test (D5)) (MLRA 1, 2 C2) Il Imagery (C
YDROL Vetland H Primary In Surfac High Satur Water Sedir Drift I Algal	Hydrology Indicators: Idicators (minimum of or	0	check all that a Water- MLI Salt Cr Aquation Hydros Oxidizon Recen Stunte	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Re-	eaves (B9 A, and 4E orates (B13 e Odor (C spheres ald duced Iron duction in) (except 3) 1) ong Living (C4) Tilled Soils s (D1) (LR	Roots (C3)	Second Was Dr Dr Sa GG Si Ri	dary Indicate ater-Stained 4A, and 4E ainage Patt ry-Season Vis aturation Vis eomorphic F hallow Aquit AC-Neutral	d Leaves (B9) erns (B10) Vater Table (Sible on Aeria Position (D2) tard (D3) Test (D5) Iounds (D6) ((MLRA 1, 2 C2) I Imagery (Cs
YDROL Vetland H Primary In Surfac High Satur Water Sedin Drift I Algal Iron I	Hydrology Indicators: Indicators (minimum of or	ne required;	check all that a Water- MLI Salt Cr Aquatic Hydrog Oxidiz Preser Recen Stunte	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Re-	eaves (B9 A, and 4E orates (B13 e Odor (C spheres ald duced Iron duction in) (except 3) 1) ong Living (C4) Tilled Soils s (D1) (LR	Roots (C3)	Second Was Dr Dr Sa GG Si Ri	dary Indicate ater-Stained 4A, and 4E ainage Patt ry-Season Vis aturation Vis eomorphic F hallow Aquit AC-Neutral	I Leaves (B9 I) erns (B10) Vater Table (Sible on Aeria Position (D2) tard (D3) Test (D5)	(MLRA 1, 2 C2) I Imagery (C
YDROL Vetland H Primary In Surface High V Satur Vate Sedir Drift I Algal Iron I	Hydrology Indicators: Indicators (minimum of or	ne required;	check all that a Water- MLI Salt Cr Aquatic Hydrog Oxidiz Preser Recen Stunte Other	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Re-	eaves (B9 A, and 4E orates (B13 e Odor (C spheres ald duced Iron duction in) (except 3) 1) ong Living (C4) Tilled Soils s (D1) (LR	Roots (C3)	Second Was Dr Dr Sa GG Si Ri	dary Indicate ater-Stained 4A, and 4E ainage Patt ry-Season Vis aturation Vis eomorphic F hallow Aquit AC-Neutral	d Leaves (B9) erns (B10) Vater Table (Sible on Aeria Position (D2) tard (D3) Test (D5) Iounds (D6) ((MLRA 1, 2 C2) I Imagery (C
YDROL Vetland Forimary In Surface High Vete Sedin Drift I Algal Iron I Surface Inunce Spar	Hydrology Indicators: Idicators (minimum of or	ne required; Imagery (B7 re Surface (B	check all that a Water- MLI Salt Cr Aquatic Hydrog Oxidiz Preser Recen Stunte Other 8)	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Red ed or Stree (Explain i	eaves (B9 A, and 4E rates (B13 e Odor (C spheres ald duced Iron duction in ssed Plant in Remarks) (except 3) 1) 1) ong Living (C4) Tilled Soils s (D1) (LR	Roots (C3)	Second Was Dr Dr Sa GG Si Ri	dary Indicate ater-Stained 4A, and 4E ainage Patt ry-Season Vis aturation Vis eomorphic F hallow Aquit AC-Neutral	d Leaves (B9) erns (B10) Vater Table (Sible on Aeria Position (D2) tard (D3) Test (D5) Iounds (D6) ((MLRA 1, 2 C2) I Imagery (Cs
YDROL Vetland F Primary In Surface High V Satur Water Sedir Drift I Algal Iron I Surface Inund	Hydrology Indicators: Idicators (minimum of or	ne required; Imagery (B7 e Surface (B	check all that a Water MLI Salt Cr Aquatic Hydrog Oxidize Preser Recen Stunte Other 8)	spply) Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re at Iron Rec ed or Stres (Explain i	eaves (B9 A, and 4E rates (B13 e Odor (C spheres ald duced Iron duction in ssed Plant in Remarks) (except 3) 1) 1) ong Living (C4) Tilled Soils s (D1) (LR	Roots (C3)	Second Was Dr Dr Sa GG Si Ri	dary Indicate ater-Stained 4A, and 4E ainage Patt ry-Season Vis aturation Vis eomorphic F hallow Aquit AC-Neutral	d Leaves (B9) erns (B10) Vater Table (Sible on Aeria Position (D2) tard (D3) Test (D5) Iounds (D6) ((MLRA 1, 2 C2) I Imagery (Cs
YDROL Vetland H Primary In Surfac High V Satur Vate Sedir Drift I Algal Iron I Surfac Inunc Spar	Hydrology Indicators: Indicators (minimum of or	ne required; Imagery (B7 e Surface (B	check all that a Water MLI Salt Cr Aquatic Hydrog Oxidize Preser Recen Stunte Other 8)	spply) Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re at Iron Rec ed or Stres (Explain i	eaves (B9 A, and 4E rates (B13 e Odor (C spheres ald duced Iron duction in ssed Plant in Remarks) (except 3) 1) 1) ong Living I (C4) Tilled Soils s (D1) (LR	Roots (C3) s (C6)	Second Wa Dr Dr Sa GG Si F/ R Fr	dary Indicate ater-Stained 4A, and 4E vainage Patt vy-Season V aturation Viseomorphic F hallow Aquit AC-Neutral aised Ant M rost-Heave	d Leaves (B9 3) erns (B10) Vater Table (sible on Aeria Position (D2) tard (D3) Test (D5) lounds (D6) (Hummocks ((MLRA 1, 2 C2) Il Imagery (CS LRR A) D7)
YDROL Vetland Forimary In Surface Water Sedir Drift I Surface Inunc Spar Field Ob Surface \ Water Ta	Hydrology Indicators: Idicators (minimum of or Idicators (minimum of or Idicators (minimum of or Idicators (Manimum of or	Imagery (B7 ve Surface (B	check all that a Water- MLI Salt Cr Aquation Hydros Oxidiz Preser Recen Stunte Other 8) No / Dept	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Re- ed or Stree (Explain i	eaves (B9 A, and 4E rates (B13 e Odor (C spheres ald duced Iron duction in ssed Plant in Remarks) (except B) 3) 1) ong Living (C4) Tilled Soils s (D1) (LR	Roots (C3)	Second Wa Dr Dr Sa GG Si F/ R Fr	dary Indicate ater-Stained 4A, and 4E vainage Patt vy-Season V aturation Viseomorphic F hallow Aquit AC-Neutral aised Ant M rost-Heave	d Leaves (B9 3) erns (B10) Vater Table (sible on Aeria Position (D2) tard (D3) Test (D5) lounds (D6) (Hummocks ((MLRA 1, 2 C2) I Imagery (C
YDROL Vetland F Primary In Surfac High V Satur Vate Sedir J Algal Iron I Surfac Inund Spar Field Ob Surface V Water Ta	Hydrology Indicators: Indicators (minimum of or	Imagery (B7 ve Surface (B Yes N Yes N	check all that a Water- MLI Salt Cr Aquatic Hydrog Oxidiz Preser Recen Stunte Other 8) No // Dept No // Dept	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Red ed or Stree (Explain i	eaves (B9 A, and 4E rates (B13 e Odor (C spheres ald duced Iron duction in ssed Plant in Remarks) (except 3) 1) 1) png Living (C4) Tilled Soils s (D1) (LR	Roots (C3) s (C6) RR A)	Second Ware Dr Dr Sa Go Si Fr R Fr	dary Indicate ater-Stained 4A, and 4E vainage Patt vy-Season V aturation Viseomorphic F hallow Aquit AC-Neutral aised Ant M rost-Heave	d Leaves (B9 3) erns (B10) Vater Table (sible on Aeria Position (D2) tard (D3) Test (D5) lounds (D6) (Hummocks (C2) I Imagery (C
YDROL Vetland F Primary In Surfac High V Satur Vate Sedir J Algal Iron I Surfac Inund Spar Field Ob Surface V Water Ta	Hydrology Indicators: Idicators (minimum of or Idicators (minimum of or Idicators (minimum of or Idicators (Manimum of or	Imagery (B7 ve Surface (B Yes N Yes N	check all that a Water- MLI Salt Cr Aquatic Hydrog Oxidiz Preser Recen Stunte Other 8) No // Dept No // Dept	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Red ed or Stree (Explain i	eaves (B9 A, and 4E rates (B13 e Odor (C spheres ald duced Iron duction in ssed Plant in Remarks) (except 3) 1) 1) png Living (C4) Tilled Soils s (D1) (LR	Roots (C3) s (C6) RR A)	Second Ware Dr Dr Sa Go Si Fr R Fr	dary Indicate ater-Stained 4A, and 4E vainage Patt vy-Season V aturation Viseomorphic F hallow Aquit AC-Neutral aised Ant M rost-Heave	d Leaves (B9 3) erns (B10) Vater Table (sible on Aeria Position (D2) tard (D3) Test (D5) lounds (D6) (Hummocks ((MLRA 1, 2 C2) Il Imagery (CS LRR A) D7)
VOROL Vetland H Primary In Surface High V Sature Sedin Iron I Surface Inunce Spar Field Ob Surface V Water Ta Saturation (includes Describe	Hydrology Indicators: Idicators (minimum of or Idicators (minimum of or Idicators (minimum of or Idicators (minimum of or Idicators (Manimum of or	Imagery (B7 Yes N Yes N Yes N The gauge, mo	check all that a Water- MLI Salt Cr Aquatic Hydros Oxidiz Preser Recen Stunte Other 8) Dept No Dept Dept nitoring well, ac	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Rec ed or Stree (Explain i	eaves (B9 A, and 4E orates (B13 e Odor (C spheres ald duced Iron duction in ssed Plant in Remarks):) (except 3) 3) 1) pong Living (C4) Tilled Soils s (D1) (LR s)	Roots (C3) s (C6) RR A) Wetland Hy ons), if avail	Second Wa Dr Dr Sa GG St Fr R: Fr	dary Indicate ater-Stained 4A, and 4E vainage Patt vy-Season V aturation Viseomorphic F hallow Aquit AC-Neutral aised Ant M rost-Heave	d Leaves (B9 3) erns (B10) Vater Table (sible on Aeria Position (D2) tard (D3) Test (D5) lounds (D6) (Hummocks (C2) I Imagery (C
YDROL Vetland F Primary In Surfac High V Satur Vate Sedir J Algal Iron I Surfac Inund Spar Field Ob Surface V Water Ta	Hydrology Indicators: Idicators (minimum of or Idicators (minimum of or Idicators (minimum of or Idicators (minimum of or Idicators (Manimum of or	Imagery (B7 Yes N Yes N Yes N The gauge, mo	check all that a Water- MLI Salt Cr Aquatic Hydrog Oxidiz Preser Recen Stunte Other 8) No // Dept No // Dept	Stained L RA 1, 2, 4 rust (B11) c Inverteb gen Sulfid ed Rhizos nce of Re- nt Iron Rec ed or Stree (Explain i	eaves (B9 A, and 4E orates (B13 e Odor (C spheres ald duced Iron duction in ssed Plant in Remarks):) (except 3) 3) 1) pong Living (C4) Tilled Soils s (D1) (LR s)	Roots (C3) s (C6) RR A) Wetland Hy ons), if avail	Second Wa Dr Dr Sa GG St Fr R: Fr	dary Indicate ater-Stained 4A, and 4E vainage Patt vy-Season V aturation Viseomorphic F hallow Aquit AC-Neutral aised Ant M rost-Heave	d Leaves (B9 3) erns (B10) Vater Table (sible on Aeria Position (D2) tard (D3) Test (D5) lounds (D6) (Hummocks (C2) I Imagery (C

Applicant/Owner:	City	y/County:	Sampling Date: 2-2 [
Applicant/Owner:Investigator(s):		State:	Sampling Point: 60 U
Investigator(s):	Sec	ction, Township, Range:	
Landform (hillslope, terrace, etc.): Slape above Subregion (LRR):	de red () -		
	Lat: <u>40</u> .	87 969 Long: -174 1	Slope (%):
Are climatic / hydrologic conditions on the site typic	cal for this time of year?	V	assification:
Are Vegetation, Soil, or Hydrology	significantly distr	urbed?	n in Remarks.)
re Vegetation, Soil, or Hydrology	naturally problem		ces" present? YesX No
BUMMARY OF FINDINGS – Attach site Hydrophytic Vegetation Present?	e map showing sar	natic? (If needed, explain any a	nswers in Remarks.)
i es	. No	The point locations, trans	ects, important features, e
Motland Ll. J. L	No <u>X</u>	Is the Sampled Area	
Wetland Hydrology Present? Yes	No <u>X</u>	within a Wetland? Yes	(No_ <u>K</u>)
Remarks: ngft East of plot	JA? At ACA	Le classe	
	51.0		
EGETATION - Use seis-115		≯ Moi	~
EGETATION – Use scientific names o			
ree Stratum (Plot size:)	Absolute Don <u>% Cover</u> Spe	ninant Indicator Dominance Test v	
	<u></u>	Number of Domina	nt Species
		That Are OBL, FAC	
		Total Number of Do	ominant
			(5)
apling/Shrub Stratum (Plot size:	= Tot	tal Cover That Are ORL FAC	
Rubus Ulmifolis		That Are OBL, FAC	My AVB
	<u> </u>	Prevalence Index v	
		OBL species	of: Multiply by: x 1 =
		FACW species	x1=x1=
		FAC species	x3=
	= Tota	FACU species	x 4 =
erb Stratum (Plot size:)	1018	UPL species	x 5 =
		Column Totals:	(A)(B)
		Hydrophytic Vegeta	ex = B/A =
		, Francisco	r Hydrophytic Vegetation
			est is >50%
		7.7	
		4 - Morphologica	Adaptations (Provide supporting
		data in Rema	rks or on a separate sheet)
		5 - Wetland Non-	Vascular Plants ¹
			ophytic Vegetation ¹ (Explain)
		Cover Indicators of hydric s	oil and wetland hydrology must
ody Vine Stratum (Plot size:)	= Total	Cover ,	naribed of problematic.
		- Hydrophytic	
		Verophytic	
are Ground in Herb Stratum	= Total (Dranauto	es No

ec. C-Concentration, D-Depletion, RM-Reduced Matrix, CS=Covered or Coated Sand Grains. Color Colo		cription: (Describe t		Redo	ox Feature	5			Describe
Post	oth hes)		%		%	Type ¹	_Loc²	Texture	
Cacation: PL=Pore Lining, M=Matrix, CS=Covered or Coated Sand Grains. Location: PL=Pore Lining, M=Matrix, CS=Covered or Coated Sand Grains. Location: PL=Pore Lining, M=Matrix, CS=Covered or Coated Sand Grains. Location: PL=Pore Lining, M=Matrix, CS=Covered or Coated Sand Grains. Location: PL=Pore Lining, M=Matrix, CS=Covered or Coated Sand Grains. Location: PL=Pore Lining, M=Matrix, CS=Covered or Coated Sand Grains. Location: PL=Pore Lining, M=Matrix, CS=Covered N=Covered Sand Grains. Location: PL=Pore Lining, M=Matrix, CS=Covered Matrix, CS=Covered Mat	. 1			10 YR 5/8			1//		
pe: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. **Cocation: PL=Pore Lining, M=Matrix, dris Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) #Histosc (A1)			70	10485/8	30		M	Sordychy	Jon
pe: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Black Histic (A3) Loamy Mucky Mineral (F1) Depleted Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Populated Dark Surface (F6) Populated Dark Surface (F6) Sandy Gleyed Matrix (S4) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Water Soli (Fesent) Water Salined Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Drainage Patterns (B1) Dry-Season Water Table (C2) Salitarian (F2) Sandy Mucky Mater Table (C2) Salitarian (F1) Sandy Gleyed Matrix (S4) Sandward Deposits (B3) Dry-Season Water Table (C2) Salitarian (F1) Metrix (F1) Water Table (F1) Wetland Hydrology Present? Yes No Depth (inches): Water Table (F2) Wetland Hydrology Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Salturation Present? Yes No Depth (inches): Depth	- 20	1011-012	1						
### Concentration_DeDepletion_RM-Reduced Matrix_CS-Concentration_CS-Concen			. ——	4				-	
### And ### An		-	. —						
### And Provided Hard Solid Present? ### And Ball Hydrology Indicators: (Aprile Solid Present) ##		-	-						
### And Provided Hard Solid Present? ### And Ball Hydrology Indicators: (Aprile Solid Present) ##		. —	-						
### Concentration_DeDepletion_RM-Reduced Matrix_CS-Concentration_CS-Concen		• O .							
dric Soil Indicators: (Applicable to all LrKs, Wintsool (AT) Histosol (AT) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Below Dark Surface (AT1) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Sandy Cleyed Matrix (S4) Sestrictive Layer (If present): Type: Depth (inches): Hydric Soil Present? Yes No Water-Stained Leaves (B9) (except Matrix (F2) Mark Matrix (B1) Salt Crust (B11) Salt Crust (B11) Salt Crust (B11) Set Water Marks (B1) Depleted Dark Surface (B2) Depleted Dark Surface (F7) Water Marks (B1) Solt Crust (B11) Solt Crust (B11) Solt Crust (B11) Solt Crust (B12) Solt Crust (B13) Aquatic Invertebrates (B13) Aquatic North (B2) Solt Crust (B14) Frost-Present (P2) Solt Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Wettand Hydrology Present? Yes No Depth (inches): Methand Hydrology Present? Yes No Depth	C-C	- ————————————————————————————————————	oletion, RV	I=Reduced Matrix, (CS=Cover	ed or Coa	ated Sand G	Grains. ² Lo	ocation: PL=Pore Lining, M=Matrix.
Histocol (A1) Histocol (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Perpleted Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Pepleted Dark Surface (F5) Redox Dark Surface (F7) Redox Depressions (F8) Property Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Redox Depressions (F8) Property Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Property Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Property Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Property Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Property Mineral (S1) Redox Dark Surface (F7) Redox Dark Surface (F6) Redox Dark Surface (F6) Wetland Hydrology Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Property Mineral (S1) Redox Dark Surface (F6) Redox Dark Surface (F1) Property Mineral (F1) Redox Dark Surface (F6) Redox Dark Surface (F1) Property Mineral (F1) Redox Dark Surface (F6) Redox Dark Surface (F1) Property Mineral (F1) Redox Dark Surface (F6) Redox Dark Surface (F1) Property Mineral (F1) Redox Dark Surface (F6) Redox Property New Lands Redox Dark Surface (F6) Redox Dark Surface (F6) Redox Dark Surface (F6) Redox Property New Lands Redox Dark Surface (F6) Redox Property New Lands Redox Dark Surface (F6) Redox Dark Su	dric Soi	I Indicators: (Applie	cable to al	I LRRS, unless our	ICI WISC III	oted.)			
Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Setrictive Layer (if present): Type: Depth (inches): Bemarks:				Sandy Redox	K (55)			_ Z C	ad Parent Material (TF2)
Salack Histic (A3)				Stripped Matr	rix (S6)	E4\ /awaa	me MI DA 1	A	ery Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Depth (inches): Hydric Soil Present? Yes	Black I	Histic (A3)		Loamy Muck	y Mineral ((F1) (exc e	ept wilks i) — Ot	ther (Explain in Remarks)
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sestrictive Layer (if present): Type: Depth (inches): Temarks: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Saturation Deposits (B2) Drift Deposits (B3) Aquatic Invertebrates (B13) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Iron Deposits (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Soil Cracks (B6) Surface Soil Cracks (B6) Iron Deposits (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Fox No Surface (B8) Field Observations: Surface Fox No Surface (B7) Surface Soil Cracks (B6) Iron Deposits (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Fox No Surface (B8) Field Observations: Surface Fox No Surface (B8) Field Observations: Surface Fox No Surface (B6) Surface Soil Cracks (B6) Iron Deposits (B7) Saturation Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Surface Fox No Surface (B8) Field Observations: Surface Fox No Surface (B8) Field Observatio	Hydrog	gen Sulfide (A4)				r2)		-	
Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Redox Depressions (F8) unless disturbed or problematic. Setrictive Layer (if present): Type: Hydric Soil Present? Yes N6 Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) High Water Table (A2) Saturation (A3) Satt Crust (B1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Present (B3) Surface Side (B5) Surface (B6) (S5) Surface (B6) (S5) Surface (B6) (S6) Surface (B6) Surf			ce (A11)			6)		3Indica	tors of hydrophytic vegetation and
Sandy (Beyed Matrix (S4) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Wettand Hydric Soil Present? Yes No Primary Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) Saturation (A3) Salt Crust (B1) Drainage Patterns (B10) Sourface Water (A1) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (B7) Presence of Reduced Iron (C4) Saturation (C2) Iron Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Iron Deposits (B5) Suntade Of Stressed Plants (D1) (LRR A) Surface Soil Cracks (B6) Suntade Of Stressed Plants (D1) (LRR A) Field Observations: Water Table Present? Yes No Depth (inches): Surface Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	_ Thick	Dark Surface (A12)		Redox Dark	rk Surface	(F7)		wet	tland hydrology must be present,
Saturation (As) Saturation (As) Saturation (As) Sediment Deposits (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Iron Deposits (B5) Surface (B5) Surface (B5) Surface (B5) Surface (B6) Surface (B6) Surface (B6) Soil Reservity Sediment Deposits (B6) Algal Mat or Crust (B4) Iron Deposits (B5) Surface (B5) Surface (B6) Surface (B6) Surface (B6) Surface (B7) Sur	_ Sandy	Mucky Mineral (S1)						unl	ess disturbed or problematic.
Type:	_ Sandy	Gleyed Mairix (54)							
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water-Stained Leaves (B9) (except MRRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water (A1) Water Astained Leaves (B9) (MLRA 1 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Present? Ves No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									No Vos
VPDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required; check all that apply) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (except High Water Table (A2) Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (B7) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Sallow Aquitard (D3) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? Yes N	1.64							Hydric Se	oil Present? Yes
Secondary Indicators (2 or more required; Check all that apply)			- (m	school Chu,	ntes/1.	mbur n	n, xal		
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1)	Remarks:	(,11	- In	gerool Chu	ntes/1-	mbr n	n. Xal		
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Table (A2) MLRA 1, 2, 4A, and 4B) MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Bresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No Depth (inches): Grace Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Grace Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Grace Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (i	YDROL	LOGY	rs:			mbur n	nixali		4
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation (C1) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) 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) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? Yes No Pepth (inches): Saturation Presen	YDROL	LOGY	rs:	ired; check all that a	apply)				econdary Indicators (2 or more required)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Saturation (C1) Aquatic Invertebrates (B13) Saturation Visible on Aerial Imagery Bresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes No No Depth (inches): Saturation Present? Yes No No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland Primary I	LOGY Hydrology Indicator	rs:	ired; check all that a	apply)	eaves (BS	9) (except		econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1,
Water Marks (B1)	YDROL Wetland Primary II	LOGY Hydrology Indicator ndicators (minimum cace Water (A1)	rs:	ired; check all that a	apply) -Stained L	eaves (BS	9) (except		econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1,
	YDROL Wetland Primary II Surfa High	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2)	rs:	ired; check all that a Water ML Salt C	apply) -Stained L -RA 1, 2, 4 Crust (B11)	eaves (BS	9) (except B)		econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)
	YDROL Wetland Primary II Surfa High	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Irration (A3)	rs:	ired; check all that a Water- ML Salt C Aquat	apply) -Stained L -RA 1, 2, 4 Crust (B11)	eaves (BS	9) (except B)		econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Algal Mat or Crust (B4)	YDROL Wetland Primary II Surfa High Satu Wate	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Water Table (A3) Water Marks (B1)	rs:	ired; check all that a Water- ML Salt C Aquat	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb	eaves (BS	9) (except B) 3)	Se	econdary 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 (C
Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (G5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8)	YDROL Wetland Primary II Surfa High Satu Wate Sedi	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Irration (A3) Irration (A3) Irration (A3) Irration (B1) Irration (B2)	rs:	ired; check all that a Water ML Salt C Aquat Hydro Oxidiz	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Invertebogen Sulfid	eaves (BSIA, and 4) prates (B1) le Odor (Cospheres a	9) (except B) 3) C1) long Living	Se	econdary 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 (C
Surface Soil Cracks (B6) Stunted of Stressed Flatific (57) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? Yes No Saturation Present? Yes No No Saturation Present? Yes No No No No No No	YDROL Wetland Primary II Surfa High Satu Wate Sedi	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Irration (A3) Irration (A3) Irration (B1) Irration (B2) Irration (B3)	rs:	ired; check all that a Water ML Salt C Aquat Hydro Oxidiz Prese	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Re	eaves (BSIA, and 4) prates (B1) de Odor (Cospheres a	9) (except B) 3) C1) long Living n (C4)	Se	econdary 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 (Ca) Geomorphic Position (D2) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Water Table (A3) Water Marks (B1) Wiment Deposits (B2) Deposits (B3) Water Crust (B4)	rs:	ired; check all that a Water ML Salt C Aquat Hydro Oxidiz Prese Recei	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Invertebogen Sulfid zed Rhizosence of Recent Iron Recent	eaves (BSA, and 4) prates (B1) de Odor (Cospheres a duced Iro	9) (except B) 3) C1) Ilong Living n (C4) Tilled Soils	Se — — — — — — — — — — — — — — — — — — —	econdary 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 (Capacitation Companies Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No _X Depth (inches): Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes X No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Water Table (A2) Water Marks (B1) Wiment Deposits (B2) Deposits (B3) Water Crust (B4) Deposits (B5)	rs: of one requ	ired; check all that a Water ML Salt C Aquat Hydro Oxidiz Prese Recei	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Rec ted or Strest	eaves (BS IA, and 4 orates (B1 le Odor (C spheres a duced Iro duction in ssed Plan	9) (except B) 3) C1) long Living n (C4) Tilled Soils	Se — — — — — — — — — — — — — — — — — — —	water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caracteristics) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Field Observations: Surface Water Present? Yes No _X Depth (inches): Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes X No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron	LOGY Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Water Table (A2) Water Marks (B1) Wiment Deposits (B2) Deposits (B3) Water Table (B4) Deposits (B5) Water Crust (B4) Water Crust (B4) Water Crust (B6) Water Crust (B6) Water Crust (B6) Water Crust (B6)	rs: of one requ	ired; check all that a Matera ML Salt C Aquat Hydro Oxidiz Prese Recei	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Rec ted or Strest	eaves (BS IA, and 4 orates (B1 le Odor (C spheres a duced Iro duction in ssed Plan	9) (except B) 3) C1) long Living n (C4) Tilled Soils	Se — — — — — — — — — — — — — — — — — — —	water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caracteristics) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water Present? Yes No _X Depth (inches): Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes X No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa	Hydrology Indicators (minimum of ace Water (A1) Water Table (A2) Aration (A3) Her Marks (B1) Himent Deposits (B2) Hoposits (B3) Had or Crust (B4) Deposits (B5) Had Social Cracks (B6) Had Deposits (B6) Had Deposits (B6)	rs: of one requ	ired; check all that a — Water ML — Salt C — Aquat — Hydro — Oxidiz — Prese — Recei — Stunt y (B7) — Other	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Rec ted or Strest	eaves (BS IA, and 4 orates (B1 le Odor (C spheres a duced Iro duction in ssed Plan	9) (except B) 3) C1) long Living n (C4) Tilled Soils	Se — — — — — — — — — — — — — — — — — — —	water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caracteristics) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes X No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa	Hydrology Indicators (minimum of ace Water (A1) (Water Table (A2) (A3) (A3) (A3) (A4) (A4) (A4) (A4) (A4) (A4) (A4) (A4	rs: of one requ	ired; check all that a Water ML Salt C Aquat Hydro Oxidiz Prese Recei Stunt y (B7) Cee (B8)	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Rec ted or Stres r (Explain i	eaves (BS IA, and 4 orates (B1 de Odor (C spheres a duced Iro duction in ssed Plan in Remark	9) (except B) 3) C1) long Living n (C4) Tilled Soils	Se — — — — — — — — — — — — — — — — — — —	econdary 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 (Capacitation Control of Control
Saturation Present? Yes X No Depth (inches): 16 Wetland Hydrology Present? 16 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa	Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Irration (A3) Irration (A3) Irration (B3) Irration (B4) Irration (B4) Irration (B5) Irration (B5) Irration (B6) Irration (B	rs: of one requ rial Imager cave Surfa	ired; check all that a Water ML Salt C Aquat Hydro Oxidiz Prese Recei Stunt y (B7) Cee (B8)	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Rec ted or Stres r (Explain i	eaves (BS IA, and 4 orates (B1 de Odor (C spheres a duced Iro duction in ssed Plan in Remark	9) (except B) 3) C1) long Living n (C4) Tilled Soils	Se — — — — — — — — — — — — — — — — — — —	econdary 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 (Capacitation Control of Control
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland Primary II Surfa High Satu Wats Sedi Drift Alga Iron Surf Inur Spa Field Ol Surface	Hydrology Indicators (minimum of ace Water (A1) Water Table (A2) Aration (A3) Aration (A3) Aration (A3) Aration (B4) Aration (B5) Aration (B5) Aration Visible on Aeration Visible on Aera	rs: of one requiral Imager, cave Surfa	wired; check all that a water ML Water Aquat Hydro Oxidiz Prese Received Stunt (PR) Control Co	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Re- ent Iron Rec ted or Stres r (Explain i	eaves (BSIA, and 4) brates (B1) le Odor (Cospheres a duced Iro duction in ssed Plan in Remark	9) (except B) 3) C1) long Living n (C4) Tilled Soils ats (D1) (LR	Se 	Property 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 (Case) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Describe Recorded Data (stream gauge, monitoring well, acrial priotos, provided participation)	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Ol Surface Water T	Hydrology Indicators (minimum of ace Water (A1) Water Table (A2) Water Table (A2) Water Marks (B1) Water Deposits (B2) Water Orcust (B4) Deposits (B5) Water Orcust (B6) Water Orcust (B6) Water Orcust (B6) Water Present? Water Present?	rs: of one requirial Imager; cave Surfa Yes	wired; check all that a water ML Salt C Aquat Hydro Oxidiz Prese Recei Stunt y (B7) No X Dep No X Dep	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Re- ent Iron Rec ted or Stres r (Explain i	eaves (BSIA, and 4) orates (B1) le Odor (Cispheres a duced Iro duction in Remark in Remark	9) (except B) 3) C1) long Living n (C4) Tilled Soils ats (D1) (LR	Se 	Property 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 (Case) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Ol Surface Water T	Hydrology Indicators Indicators (minimum of ace Water (A1) Water Table (A2) Water Table (A2) Water Table (A2) Water Table (B3) Water Marks (B1) Water Marks (B3) Water Orust (B4) Deposits (B5) Water Orust (B6) Water Present? Water Present? Water Present?	rs: of one required limager; cave Surfa Yes Yes Yes	Water- ML	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Rec ted or Street r (Explain i	eaves (BSIA, and 4) prates (B1) de Odor (Cospheres a duced Iroduction in Remark in Remark):	9) (except B) 3) C1) long Living n (C4) Tilled Soils ats (D1) (LR	Roots (C3)	Proceedings of the 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 (Carrier Community Commun
Pemarks:	YDROL Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Ol Surface Water T	Hydrology Indicators Indicators (minimum of ace Water (A1) Water Table (A2) Water Table (A2) Water Table (A2) Water Table (B3) Water Marks (B1) Water Marks (B3) Water Orust (B4) Deposits (B5) Water Orust (B6) Water Present? Water Present? Water Present?	rs: of one required limager; cave Surfa Yes Yes Yes	Water- ML	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Rec ted or Street r (Explain i	eaves (BSIA, and 4) prates (B1) de Odor (Cospheres a duced Iroduction in Remark in Remark):	9) (except B) 3) C1) long Living n (C4) Tilled Soils ats (D1) (LR	Roots (C3)	Proceedings of the 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 (Carrier Community Commun
16 Harrison	YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Ol Surface Water T Saturati (include	Hydrology Indicator Indicators (minimum of ace Water (A1) Water Table (A2) Water Table (A2) Water Marks (B1) Water Deposits (B2) Deposits (B3) Water Crust (B4) Deposits (B5) Water Crust (B4) Deposits (B5) Water Present?	rs: of one required limager; cave Surfa Yes Yes Yes	Water- ML	apply) -Stained L -RA 1, 2, 4 Crust (B11) tic Inverteb ogen Sulfid zed Rhizos ence of Rec ent Iron Rec ted or Street r (Explain i	eaves (BSIA, and 4) prates (B1) de Odor (Cospheres a duced Iroduction in Remark in Remark):	9) (except B) 3) C1) long Living n (C4) Tilled Soils ats (D1) (LR	Roots (C3)	Proceedings of the 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 (Carrier Community Commun

Project/Site:	sheet 1 ci		o, and Joust Region
Applicant/Owner:	O.	y/odulity.	Sampling Date: 7-21
Investigator(s):	Ç ₀	otion Toursell D	Sampling Point: 744
Landform (hillslope, terrace, etc.): Slape Subregion (LRR):	above depression is	ection, Township, Range:	
Subregion (LRR):	100 100	cal relief (concave, convex, none):	Slope (%): _5
Subregion (LRR):Soil Map Unit Name:	Lat: _9 L	Long: -124,	.08680 Datum: NA
	slax Series I to const	NWI	classification:nore
Are climatic / hydrologic conditions on the Are Vegetation, Soil, or Hy	site typical for this time of year?	Yes No (If no, expl	ain in Remarks.)
Are Vegetation \\ \ Soil \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	diology significantly dist	and the second s	nnces" present? Yes No/
Are Vegetation, soil, or Hy			answers in Remarks.)
SUMMARY OF FINDINGS - Atta	ich site map showing sa	mpling point locations, tran-	sects, important features et
riydrophytic vegetation Present?	Yes No	1474	,portant routares, etc
Hydric Soil Present?	Yes No	Is the Sampled Area	
Wetland Hydrology Present?	Yes No	within a Wetland? Yes	s(\o_ <u>/</u> /_
Remarks: 25 ft wof	1.18A)	Othordist	uba birbai
	Mod	VA	Ex History C
VECETATION III III		-in fill	
VEGETATION – Use scientific na	imes of plants.		
Tree Stratum (Plot size:	Absolute Do	minant Indicator Dominance Test	t worksheet:
1. SATIX SI FOLES)	<u>% Cover Sp</u> <u>45</u>	ecies? Status Number of Domir	nant Species
		Y That Are ODI E	ACW, or FAC: (A)
2		, otal Hallibel Ol I	Dominant
4		Species Across A	NII Strata: (B)
	uc -	Percent of Domin	ant Species /o >
Sapling/Shrub Stratum (Plot size:	A contract of the contract of	That Are OBL, FA	ACW, or FAC: (A/B)
1. Rubus Ulmifol	50	Prevalence Index	
۷		Total % Cove	er of: Multiply by:
3		OBL species _	x 1 =
'·		FACVV species _	x 2 =
5			x 3 =
Herb Stratum (Plot size:	_ <u>50</u> = To		x 4 =
1	/		x 5 =
2		Column Totals:	(A) (B)
3		Prevalence In	ndex = B/A =
			etation Indicators:
		1 - Rapid Test	for Hydrophytic Vegetation
		— — X 2 - Dominance	
/		3 - Prevalence	
		4 - Morphologi	cal Adaptations ¹ (Provide supporting narks or on a separate sheet)
/		5 - Wetland No	on-Vascular Plants ¹
0			ydrophytic Vegetation ¹ (Explain)
1		¹ Indicators of hydric	soil and wetland hydrology must
	- 7-4	be present, unless	disturbed or problematic.
Voody Vine Stratum (Plot size:			
		Hydrophytic	-
		Vegetation Present?	Y (V)
Bare Ground in Herb Stratum	= Tota	Cover	No
emarks:	9.0		
	A	assigned	
	1 7	11 (12 (12 (12 (12 (12 (12 (12 (12 (12 (

Color (molst) % Color (molst) % Live Education (California) 10 / R 5 / R 2 / A	file Desc	cription: (Describe	to the dep	Dodo	v Features				
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains, 1	pth	Matrix Color (moist)	0/2			Type ¹	Loc ²	Texture	Remarks
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. // Loadion: PL=Pore Lining, M=Me Indicators: (Applicable to all LRRs, unless otherwise noted.) // Histosol (A1) // Histosol (A1) // Histosol (A2) // Stirpped Matrix (S3) // Black Histic (A3) // Depleted Matrix (F2) // Depleted Matrix (F2) // Depleted Below Dark Surface (A11) // Depleted Matrix (F2) // Depleted Below Dark Surface (A12) // Sandy Gleyed Matrix (A2) // Sandy Gleyed Matrix (A2) // Sandy Gleyed Matrix (A3) // Sandy Gleyed Matrix (A4) // Sandy Gleyed	ches)					(M	Clanton	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Redox (S5) Red Parent Material (TF2) Histosol (A1) Sandy Redox (S5) Redox Propert Matrix (S6) Red Parent Material (TF2) Histosol (A2) Loamy Mucky Mineral (F1) (except MLRA 1) Depleted Belox Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Matrix (F3) Thick Dark Surface (A12) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sestrictive Layer (if present): Type: Depth (inches): Elemanks: Brinks Indicators: Water-Stained Leaves (B9) (except MLRA 1) High Water Table (A2) Saturation (A3) High Water Table (A2) Saturation (A3) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Agaid Mar or Crust (B4) Iron Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B6) Surface Water Arish (B1) Freezent Iron Reduction in Titled Soils (C6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Vester Mater (A1) Surface Water Present? Yes No Depth (inches): Vestand Hydrology Present? Yes No Depth (inches): Wetland Hydrology Presen	-21						-n		
### April	1-24	10 YR °/2	70	10 74 3/8		_			
### April									
Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10)		Concentration D=De	oletion RM	I=Reduced Matrix, C	S=Covered of	or Coate	ed Sand G	Grains. ² l	ocation: PL=Pore Lining, M=Matrix.
estrictive Layer (if present): Type:	ydric Soil Histoso Histoso Histic E Black H Hydrog Deplete Thick E Sandy	I Indicators: (Appli ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Below Dark Surfa Dark Surface (A12) Mucky Mineral (S1)	cable to al	Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	(S5) x (S6) Mineral (F1) d Matrix (F2) rix (F3) Surface (F6) k Surface (F7	(excep		2	cm Muck (A10) Red Parent Material (TF2) Pery Shallow Dark Surface (TF12) Other (Explain in Remarks) Reators of hydrophytic vegetation and Retland hydrology must be present,
PyDROLOGY Wetland Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soli Cracks (B6) Iron Deposits (B5) Surface Soli Cracks (B6) Iron Deposits (B6) Surface Water (B6) Surface Soli Cracks (B6) Iron Deposits (B6) Surface Soli Cracks (B6) Surface Soli Crack				Redox Depres	5510115 (1 0)				
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Water Present? Wes									(V
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Saturation (A3) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Secondary Indicators (2 or more required; 2 or more required;	Type: _							Hudric 9	coil Present? Yes No /
Surface Water (A1)				1050.11	4	fil	1	nyunc	
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) AA, and 4B) Drainage Patterns (B10) Faturation Visible on Aerial Imagery (C2) Saturation Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No	Remarks:	B.	ricks	insoil	1	f,1	1	nyunc	JOHN TOSCHIO
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table (A2) MLRA 1, 2, 4A, and 4B) Aquatic Invertebrates (B13) Aquatic Invertebrates (B12) Drianage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial In Remarks (D3) Expert Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LR Frost-Heave Hummocks (D7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Depth (inches): Wetland Hydrology Present? Yes Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL	OGY	s:			f,1	1		
Saturation (A3)	YDROL Wetland H	OGY Hydrology Indicator	s:	red; check all that a	oply)	f 1	(except		econdary Indicators (2 or more required)
Water Marks (B1)	YDROL Wetland H Primary In Surfa	OGY Hydrology Indicator idicators (minimum o	s:	red; check all that a	oply) Stained Leave				econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
Sediment Deposits (B2)	YDROL Wetland I Primary In Surfa	OGY Hydrology Indicator idicators (minimum coce Water (A1) Water Table (A2)	s:	red; check all that ar Water-\$ MLF	oply) Stained Leave				econdary Indicators (2 or more required) _ Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) _ Drainage Patterns (B10)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Second Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Face Neutral Test (D5) Raised Ant Mounds (D6) (LR A) Raised Ant Mounds (D6) (LR A) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland H Primary In Surfa High Satur	OGY Hydrology Indicator Indicators (minimum of Ce Water (A1) Water Table (A2) Indicator (A3)	s:	red; check all that ar Water-S MLF Salt Cro	oply) Stained Leave RA 1, 2, 4A, a ust (B11)	and 4B)			econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Algal Mat or Crust (B4)	YDROL Wetland h Primary In Surfa High Satur Wate	OGY Hydrology Indicator Indicators (minimum of Indicators (A1) Water Table (A2) Indicator (A3) I	s:	red; check all that ar Water-S MLF Salt Cro Aquatic	oply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate	and 4B) es (B13) dor (C1)		S	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5)
Recent Iron Reduction in Tilled Soils (C6)	YDROL Wetland H Primary In Surface High Satur Wate Sedir	OGY Hydrology Indicator dicators (minimum of the company of the co	s:	red; check all that ar Water-S MLF Salt Cro Aquatic	oply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate	and 4B) es (B13) dor (C1)		<u>S</u>	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C4) Geomorphic Position (D2)
Surface Soil Cracks (B6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Situration Present? Yes No Depth (inches): Situration Present? Yes No Depth (inches): Situration Present? Yes No Depth (inches): Yes No Depth (inches): Yes No Depth (inches): Situration Present? Yes No Depth (inches): Yes No Depth (inches): Yes No Depth (inches): Yes Yes No Depth (inches): Yes Yes	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Drift I	Deposits (B3)	s:	red; check all that an Water-S MLF — Salt Cru — Aquatic — Hydrog — Oxidize	oply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Oce d Rhizosphe	es (B13) dor (C1) eres alon) ng Living F	S Roots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3)
	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Drift I	DOGY Hydrology Indicators (minimum of ce Water (A1) Water Table (A2) ration (A3) r Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4)	s:	red; check all that an Water-S MLF — Salt Cru — Aquatic — Hydrog — Oxidize Presen	oply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Oce d Rhizosphe	es (B13) dor (C1) eres alon ed Iron () ng Living F (C4)	S S S S S S S S S S S S S S S S S S S	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surface (B8) 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): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Algal	Deposits (B4) Deposits (B5)	s:	red; check all that and Water-S MLF Salt Cro Aquation Hydrog Oxidize Presen Recent	pply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Oce d Rhizosphe ace of Reduce t Iron Reducti	es (B13) dor (C1) eres alon ed Iron (i) ng Living F (C4) Iled Soils	Secots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cs) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Drift I Algal Iron I	Deposits (B4) Deposits (B5) ace Soil Cracks (B6)	s: f one requi	red; check all that an Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunter	poply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Oc ed Rhizosphe ice of Reduce t Iron Reducti d or Stressed	es (B13) dor (C1) eres alon ed Iron (ion in Til) ng Living F (C4) lled Soils (D1) (LRF	Secots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cs) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes X No Depth (inches): 17 Saturation Present? Yes Y No Depth (inches): 17 Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland H Primary In Surfa High Satur Vate Sedir Drift I Algal Iron I	Deposits (B5) ace Soil Cracks (B6) ddiation Visible on Aer	s: f one requi	red; check all that as Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunter (B7)Other (poply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Oc ed Rhizosphe ice of Reduce t Iron Reducti d or Stressed	es (B13) dor (C1) eres alon ed Iron (ion in Til) ng Living F (C4) lled Soils (D1) (LRF	Secots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cide Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Water Table Present? Yes X No Depth (inches): Yes X Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Hola Inon I Surfa	Hydrology Indicators (minimum of ce Water (A1)) Water Table (A2) ration (A3) r Marks (B1) ment Deposits (B2) Deposits (B3) I Mat or Crust (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aerisely Vegetated Cond	s: f one requi	red; check all that as Water-S MLF Salt Cri Aquatic Hydrog Oxidize Presen Recent Stunter (B7)Other (poply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Oc ed Rhizosphe ice of Reduce t Iron Reducti d or Stressed	es (B13) dor (C1) eres alon ed Iron (ion in Til) ng Living F (C4) lled Soils (D1) (LRF	Secots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cs) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Saturation Present? Yes V No Depth (inches): Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Inund Surfa Inund Spar	JOGY Hydrology Indicator dicators (minimum of the company of the c	s: f one requi	red; check all that an Water-S MLF Salt Cru Aquatic Hydrog Oxidize Presen Recent Stunted (B7) Other (pply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Oce d Rhizosphe ace of Reduce t Iron Reducti d or Stressed (Explain in Re	es (B13) dor (C1) eres alon ed Iron (ion in Til) ng Living F (C4) lled Soils (D1) (LRF	Secots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	YDROL Wetland H Primary In Surface High V Satur Wate Sedir Algal Iron I Surface Inunce Spar	Deposits (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer servations: Water Present?	s: f one requi	red; check all that an Water-S MLF Salt Cro Aquatio Hydrog Oxidize Presen Recent Stunter (B7) Other (poply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Oc ed Rhizosphe ace of Reduce t Iron Reducti d or Stressed (Explain in Re	es (B13) dor (C1) eres alon ed Iron (ion in Til) ng Living F (C4) lled Soils (D1) (LRF	Seconds (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), it available.	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Drift I Algal Iron I Surfa Inund Spar Field Ob Surface \ Water Ta	Deposits (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer servations: Water Present? able Deposits?	s: f one requi	red; check all that an Water-S MLF Salt Cro Aquatio Hydrog Oxidize Presen Recent Stunter (B7) Other (CE) No Depth	poply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Or ed Rhizosphe ice of Reduce t Iron Reducti d or Stressed (Explain in Re	es (B13) dor (C1) eres alon ed Iron (ion in Til) ng Living F (C4) lled Soils (D1) (LRF	Seconds (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cs. Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Drift I Algal Iron I Surfa Inund Spar Field Ob Surface \ Water Ta	Hydrology Indicators (minimum of ce Water (A1) Water Table (A2) Pation (A3) Pr Marks (B1) Preposits (B3) Mat or Crust (B4) Preposits (B5) Preposits (B5) Preposits (B5) Preposits (B6) Pre	ial Imagery eave Surface Yes YesYes	red; check all that an Water-S MLF Salt Cru Aquatic Hydrog Oxidize Presen Recent Stunter (B7) Other (CC) No Depth No Depth	poply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Or ed Rhizosphe ace of Reduce I fron Reducti d or Stressed (Explain in Re	es (B13) dor (C1) eres alon ed Iron (ion in Til d Plants emarks)	ng Living F C4) Iled Soils (D1) (LRF	Roots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks: Whited 7 I harfor with table	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Drift I Algal Iron I Surfa Inund Spar Field Ob Surface \ Water Ta Saturation	Hydrology Indicators (minimum of ce Water (A1) Water Table (A2) Pation (A3) Pr Marks (B1) Preposits (B3) Mat or Crust (B4) Preposits (B5) Preposits (B5) Preposits (B5) Preposits (B6) Pre	ial Imagery cave Surface Yes Yes Yeam gauge	red; check all that an Water-S MLF Salt Cro Aquation Hydrog Oxidize Presen Recent Stunter (B7) Other (COMB) No Depth No Depth Monopolity Depth Monopolity Monopolity Depth Monopolity Monopolity Monopolity Monopolity Depth Monopolity Monopol	poply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Or ed Rhizosphe ace of Reduce I fron Reducti d or Stressed (Explain in Re in (inches): in (inches): in (inches): in (inches): in (inches): in (inches):	es (B13) dor (C1) eres alon ed Iron (ion in Til d Plants ermarks)	ng Living F (C4) Iled Soils (D1) (LRF	Roots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Whiteh 7 / now 1	YDROL Wetland H Primary In Surfa High Satur Wate Sedir Algal Iron I Surfa Inund Spar Field Ob Surface \ Water Ta Saturatio (includes Describe	Jogy Hydrology Indicators Indicators (minimum of the company of th	ial Imagery cave Surface Yes Yes Yeam gauge	red; check all that an Water-S MLF Salt Cro Aquation Hydrog Oxidize Presen Recent Stunter (B7) Other (COMB) No Depth No Depth Monopolity Depth Monopolity Monopolity Depth Monopolity Monopolity Monopolity Monopolity Depth Monopolity Monopol	poply) Stained Leave RA 1, 2, 4A, a ust (B11) Invertebrate en Sulfide Or ed Rhizosphe ace of Reduce I fron Reducti d or Stressed (Explain in Re in (inches): in (inches): in (inches): in (inches): in (inches): in (inches):	es (B13) dor (C1) eres alon ed Iron (ion in Til d Plants ermarks)	ng Living F (C4) Iled Soils (D1) (LRF	Roots (C3)	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Applicant/Owner:	el sho	at 1			_ Sampling Date: 2-2
Investigator(s):			Simoz - Jun	State:	Sampling Point: 8 (4
Landform (hillslope, terrace, etc.):	Dennice	Se	ection, Township	, Range:	10
Landform (hillslope, terrace, etc.): _ Subregion (LRR):	/NC 13/1 3 1/ 1 /	1.5	A CONTRACT OF THE PARTY OF THE		
		Lat. 10	.81978	Long: 124.08	671 Datum: NA
Are climatic / hydrologic conditions of Are Vegetation, Soil, Are Vegetation, Soil, SUMMARY OF FINDINGS — Hydrophytic Vegetation Present?	or Hydrology /	or this time of year? significantly dis naturally proble	Yes X N turbed? A	(If no, explain in are "Normal Circumstances"	Remarks.) present? Yes No
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes	No No	Is the Samp	led Area	
Remarks:	Yes (x)	_ No	within a Wet	tland? Yes	_ (6)
/EGETATION - Use scientif	U	≯ /	NOLL		
			minant last		
Tree Stratum (Plot size:)	0/ 0	minant Indicator ecies? Status	- TOST WOIK	
1. Alnusrub		1.5	VITAL		pecies
					- ()
				Total Number of Domina Species Across All Strai	
					(5)
Sapling/Shrub Stratum (Plot size: _		15 = Tc	otal Cover	Percent of Dominant Sp That Are OBL, FACW, of	/ / ח \
Rubus ulmifolia	1	60 \	1 50	Prevalence Index work	
	,	_ 00_7	THE		
				Total % Cover of:	
				FACW species	x 1 =
				FAC species	x 2 = x 3 =
		_60 = To		FACU species	x 4 =
erb Stratum (Plot size:)		tal Cover	UPL species	
				Column Totals:	(A) (B)
				Prevalence Index =	B/A =
				Hydrophytic Vegetation	
				1 - Rapid Test for Hy	arophytic Vegetation
				2 - Dominance Test i	5 - 20%
					is ≤3.0° aptations¹ (Provide supporting
				data in Remarks o	r on a separate sheet)
				5 - Wetland Non-Vaso	cular Plants1
				Problematic Hydrophy	rtic Vegetation ¹ (Explain)
				Indicators of hydric soil ar	nd wetland hydrology must
ody Vine Stratum (Plot size:)	= Total		be present, unless disturbe	ed or problematic.
				Land of the same	
		7.		Hydrophytic Vegetation	\rightarrow
		= Total	Cover	Present? Yes	X) No
Bare Ground in Herb Stratum marks:			3,7,3		<i></i>

	Matrix		eded to document the indicator or Redox Features		Texture	Remarks
pth ches)	Color (moist)	%C	color (moist) % Type ¹	Loc	TEXLUIC	
-11_	104R 3/2	91_				
vne: C=0	Concentration, D=Dep	oletion, RM=Re	duced Matrix, CS=Covered or Coated	d Sand Grain	ns. ² Loc	cation: PL=Pore Lining, M=Matrix.
dric Soi	I Indicators: (Applic	able to all LRI	RS, unless other wise meters,			m Muck (A10)
Histoso Histic I Black I Hydrog	ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	Ē	Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	t MLRA 1)	Red Ver Oth	d Parent Material (TF2) y Shallow Dark Surface (TF12) her (Explain in Remarks)
	ted Below Dark Surface	ce (A11)	Redox Dark Surface (F6)		3Indicate	ors of hydrophytic vegetation and
	Dark Surface (A12)	_	Depleted Dark Surface (F7)		wetla	and hydrology must be present,
	Mucky Mineral (S1)	_	Redox Depressions (F8)		unle	ss disturbed or problematic.
	y Gleyed Matrix (S4) re Layer (if present):		- 1 Compart Charles & Object			
Type: _			=		Hydric So	il Present? Yes No _X
Depth	(inches):					
Remarks:						
YDROI Wetland Primary I	LOGY Hydrology Indicator ndicators (minimum o	rs: If one required;	check all that apply) Water-Stained Leaves (B9) ((except	Sec	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
YDROI Wetland Primary I	LOGY Hydrology Indicator ndicators (minimum o	rs: If one required;	Water-Stained Leaves (B9) (Sec —	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
YDROI Wetland Primary II Surfa	LOGY Hydrology Indicator ndicators (minimum o ace Water (A1) Water Table (A2)	's: f one required;	MLRA 1, 2, 4A, and 4B)		Sec	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
YDROI Wetland Primary II Surfa High Satu	LOGY Hydrology Indicator ndicators (minimum of ace Water (A1) Water Table (A2) uration (A3)	's: f one required;	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)		<u>Sec</u>	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
YDROI Wetland Primary II Surfa High Satu Wate	LOGY Hydrology Indicator ndicators (minimum o ace Water (A1) Water Table (A2) uration (A3) er Marks (B1)	rs: If one required;	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		_ _ _	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5)
YDROI Wetland Primary II Surfa High Satu Wate Sedi	Hydrology Indicator ndicators (minimum o ace Water (A1) i Water Table (A2) uration (A3) er Marks (B1) iment Deposits (B2)	s: f one required;	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon) ng Living Roc	_ _ _	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS) Geomorphic Position (D2)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) In Water Table (A2) In Water Marks (B1) In Marks (B1) In Water Deposits (B2) In Deposits (B3)	rs: If one required;	Muran 1, 2, 4A, and 4B) Maran 1, 2, 4A, and 4B) Maran (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (I) ng Living Roc (C4)		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5) Geomorphic Position (D2) Shallow Aquitard (D3)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) Invariation (A3) Invariation (A3) Invariation (A3) Invariation (B1) Invariation (B2) Invariation (B3) Invariation (B3) Invariation (B4)	's: f one required;	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (Recent Iron Reduction in Til) ng Living Roc (C4) lled Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) Invariation (A3) Invariation (rs: f one required;	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (I) Recent Iron Reduction in Til Stunted or Stressed Plants) ng Living Roc (C4) Iled Soils (C6 (D1) (LRR A	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) Indicators (B1) Indicators (B1) Indicators (B3) Indicators (B3) Indicators (B4) Indicators (B5) Indicators (B6)	f one required:	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (C1) Recent Iron Reduction in Til Stunted or Stressed Plants Other (Explain in Remarks)) ng Living Roc (C4) Iled Soils (C6 (D1) (LRR A	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) Intration (A3) Interest (A3) Interes	f one required:	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (C1) Recent Iron Reduction in Til Stunted or Stressed Plants Other (Explain in Remarks)) ng Living Roc (C4) Iled Soils (C6 (D1) (LRR A	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Ol	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) Indicators (B1) Indicators (B3) Indicators (B3) Indicators (B4) Indicators (B5) Indicators (B5) Indicator Visible on Aericarsely Vegetated Condi	if one required; ial Imagery (B7 cave Surface (B	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (C1) — Recent Iron Reduction in Til — Stunted or Stressed Plants — Other (Explain in Remarks) 38)) ng Living Roc (C4) Iled Soils (C6 (D1) (LRR A	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Of Surface	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) Indicators (B1) Indicators (B3) Indicators (B3) Indicators (B4) Indicators (B5) Indicator Visible on Aericators (B6) Indicator Visible on Aericator (B6) Indicator (B6) Indicators (Minimum of A6) Indicators (Minimum	ial Imagery (B7 cave Surface (E	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (Control of the Control of) ng Living Roc (C4) Iled Soils (C6 (D1) (LRR A	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Ol Surface Water T	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) In Water Table (A2) In Water Table (B1) In Water Table (B2) In Deposits (B3) In Mat or Crust (B4) In Deposits (B5) In Deposits (B5) In Cracks (B6) Indiation Visible on Aerarsely Vegetated Concentrations: In Water Present? In Section 1	ial Imagery (B7 cave Surface (E	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (C1) — Recent Iron Reduction in Til — Stunted or Stressed Plants — Other (Explain in Remarks) — Depth (inches): — Depth (inches):	ng Living Roc (C4) Illed Soils (C6 (D1) (LRR A	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROI Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Of Surface Water T Saturati	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) In Water Table (A2) In Water Table (B3) In Mat or Crust (B4) In Deposits (B5) Indication Visible on Aer Indication Visible	ial Imagery (B7cave Surface (BYes Yes Yes Yes Yes X	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (Control of the Control of	ng Living Roc (C4) Illed Soils (C6 (D1) (LRR A	ots (C3) 3) tland Hydro	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Primary II Satu Wate Sedi Drift Alga Iron Surf Inur Spa Field Ol Surface Water T Saturati (include Describ	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) Indicators (B1) In Water Table (A2) Indicators (B3) In Mat or Crust (B4) In Deposits (B5) Indicator Visible on Aer Ind	ial Imagery (B7cave Surface (BYes Yes Yes Yes Yes X	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres alon — Presence of Reduced Iron (I — Recent Iron Reduction in Til — Stunted or Stressed Plants — Other (Explain in Remarks) — Other (Explain in Remarks) — Depth (inches): — — Depth (inches): — — Depth (inches): — — Depth (inches): — — Depth (inches):	ng Living Roc (C4) Illed Soils (C6 (D1) (LRR A	ots (C3) 6) tland Hydro	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Primary II Surfa High Satu Wate Sedi Drift Alga Iron Surfa Inur Spa Field Of Surface Water T	Hydrology Indicator Indicators (minimum of ace Water (A1) In Water Table (A2) Indicators (B1) In Water Table (A2) Indicators (B3) In Mat or Crust (B4) In Deposits (B5) Indicator Visible on Aer Ind	ial Imagery (B7cave Surface (BYes Yes Yes Yes Yes X	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (Recent Iron Reduction in Til Stunted or Stressed Plants Other (Explain in Remarks) No Depth (inches): Depth (inches):	ng Living Roc (C4) Illed Soils (C6 (D1) (LRR A	ots (C3) 6) tland Hydro	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/Site: See sheet		ty/County:		Sampling Date:	7-7
Applicant/Owner: Investigator(s):			State:	Sampling Point	901
Landiorni (fillisiope, terrace, etc.):	100			A MA AND MANAGEMENT OF THE PARTY OF THE PART	no (%).
A TABLE A CONTROL OF THE CONTROL OF	Lat. IV	87978	_ Long: - 124.0	8671 Datus	pe (/6)
Are climatic / hydrologic conditions on the site typic Are Vegetation , Soil , or Hydrology Are Vegetation , Soil , or Hydrology SUMMARY OF FINDINGS – Attach site Hydrophytic Vegetation Present?	significantly dis naturally proble	Yes X No turbed? Are matic? (If I	(If no, explain in "Normal Circumstance	n Remarks.) s" present? Yes	_ No_
Hydric Soil Present? Yes	NO	Is the Sample	d Area		itures, e
Wetland Hydrology Present? Yes	✓ No	within a Wetla	and? Yes_	No	
/EGETATION – Use scientific names o			nown - othrdistib	me historic	
		minant Indicator	T		
Tree Stratum (Plot size:) 1A	<u>% Cover Sp</u>	ecies? Status	Number of Dominant That Are OBL, FACW	Consider	(A)
			Total Number of Dom		(A)
			Species Across All St	rata: 7	(B)
	1		Percent of Dominant	Species	(5)
Sapling/Shrub Stratum (Plot size:	= To	otal Cover	That Are OBL, FACW	, or FAC:) (A/E
Rubus of m	60_	Y FAC	Prevalence Index wo		- 3,46
			Total % Cover of:	Multiply b	y:
			OBL species	x 1 =	
			FACW species	x 2 =	
Y			FAC species	x 3 =	
erb Stratum (Plot size:)	_60_ = To	tal Cover	FACU species	x 4 =	
			UPL species	x 5 =	
			Column Totals:	(A)	(B)
			Prevalence Index	c = B/A =	
			Hydrophytic Vegetati		
			1 - Rapid Test for I	Hydrophytic Vegetation	n
			¥ 2 - Dominance Tes		
			3 - Prevalence Inde		
			4 - Morphological A data in Remarks	Adaptations' (Provide s s or on a separate she	supporting
			5 - Wetland Non-Va	ascular Plants ¹	Cij
				ohytic Vegetation¹ (Exp	olain)
			Indicators of hydric soil	and wetland bydrolog	y must
oody Vine Stratum (Plot size:)		l Cover	be present, unless distu	rbed or problematic.	
			Hydrophytic Vegetation	A	
Bare Ground in Herb Stratum	= Total		Present? Yes	(X) No	

pth _	Matrix		Redox	k Feature %	Type	Loc2	the absence		Remarks	
hes)	Color (moist)	%	Color (moist)			LOC	Marlo			
-9	10 / R 3/2	100				-1	- 4	Luchar		
-15	10 Y R 4/1	75	10/R5/8	_15			souly	The state of	200 000	
			54R 2.1/1	41	-	M	-		nangentil	_
-			104R4/6	10	(M	V	_		_
		<u> </u>	Deduced Matrix C	S=Cover	ed or Coat	ed Sand G	erains.	Location:	PL=Pore Lining, M=Matr	X.
ype: C=Co	oncentration, D=Dep ndicators: (Applications)	etion, RM	I RRs unless othe	rwise no	ted.)		Indic	ators for F	Problematic Hydric Soil	s":
		able to all	Sandy Redox ((S5)			_ :	2 cm Muck	(A10)	
_ Histosol			Stripped Matrix	x (S6)				Red Parent	Material (TF2)	
The party of the first section of	oipedon (A2)		Loamy Mucky	Mineral (F1) (exce	pt MLRA 1)'	Very Shallo	w Dark Surface (TF12)	
_ Black His	en Sulfide (A4)		Loamy Gleyed	Matrix (F	=2)			Other (Exp	lain in Remarks)	
_ injuringe Depleted	d Below Dark Surfac	e (A11)	X Depleted Matri	ix (F3)			31001	natore of h	ydrophytic vegetation and	t
Thick Da	ark Surface (A12)		Redox Dark S	urface (F	6)		mai	etland hyd	rology must be present,	
Sandy M	Mucky Mineral (S1)		Depleted Dark	Surface	(F7)			nless distu	rbed or problematic.	
Sandy G	Gleyed Matrix (S4)		Redox Depres	ssions (F	3)			illicop diota		
estrictive l	Layer (if present):									
Туре:							Hudric	Soil Prese	nt? Yes X_ No	
.,,,,,										
4.4	nches):						III	301171630		
Depth (in Remarks:							nyano	301171630		
Depth (in temarks:	DGY									uired)
Depth (in temarks: YDROLO Wetland Hy	OGY ydrology Indicators	:	red; check all that an	oply)				Secondary	Indicators (2 or more rec	
Depth (in temarks: YDROLC Wetland Hy	OGY ydrology Indicators licators (minimum of	:	Water-S	Stained Le	eaves (B9)			Secondary Water-	Indicators (2 or more rec Stained Leaves (B9) (ML	
Depth (in Remarks: YDROLO Wetland Hy Primary Ind X Surface	OGY ydrology Indicators licators (minimum of e Water (A1)	:	Water-S	Stained Le	eaves (B9) A, and 4B			Secondary Water-	Indicators (2 or more rec Stained Leaves (B9) (ML and 4B)	
Depth (in Depth	OGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2)	:	Water-S MLR	Stained Le				Secondary Water- 4A, Draina	Indicators (2 or more rec Stained Leaves (B9) (ML and 4B) ge Patterns (B10)	
Depth (in Depth	OGY ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3)	:	Water-S MLR Salt Cru Aquatic	Stained Le RA 1, 2, 4 ust (B11) Inverteb	A, and 4B rates (B13	s) s)		Secondary Water- 4A, Draina	Indicators (2 or more rec Stained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2)	.RA 1, 2,
Depth (in Depth	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1)	:	Water-S MLR Salt Cru Aquatic Hydrog	Stained Le RA 1, 2, 4 ust (B11) Inverteb en Sulfide	A, and 4B rates (B13 e Odor (C1	s) s) 1)		Secondary Water- 4A, Draina Dry-Se	Indicators (2 or more rec Stained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Ima	.RA 1, 2,
Primary Ind Surface High W Surface High W Surface Water Sedime	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2)	:	Water-S MLR Salt Cru Aquatic Hydrog Oxidize	Stained Le RA 1, 2, 4 ust (B11) Inverteb en Sulfide d Rhizos	A, and 4B rates (B13 e Odor (C2 pheres alc	i) i) 1) ong Living F		Secondary Water- 4A, Draina Dry-Se Satura	Indicators (2 or more rec Stained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Ima orphic Position (D2)	.RA 1, 2,
YDROLO Wetland Hy Primary Ind Surface High W Satural Water Sedime	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) lent Deposits (B2) leposits (B3)	:	Water-S MLR Salt Cru Aquatic Hydrog Oxidize Presen	Stained Le RA 1, 2, 4 ust (B11) Inverteb en Sulfide ed Rhizos ce of Rec	A, and 4B rates (B13 e Odor (C' pheres ald duced Iron	i) 1) ong Living F (C4)	Roots (C3)	Secondary Water- 4A, Draina Dry-Se Satura X Geome	Indicators (2 or more rec Stained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Ima orphic Position (D2) w Aquitard (D3)	.RA 1, 2,
Primary Ind Satural Satural Water Sedim Algal M	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) ent Deposits (B2) leposits (B3) Mat or Crust (B4)	:	Water-S MLR Salt Cru Aquatic Hydrog Oxidize Presen Recent	Stained Le RA 1, 2, 4 ust (B11) Inverteb en Sulfide ed Rhizos ce of Rec Iron Rec	A, and 4B rates (B13 e Odor (C' pheres alc duced Iron duction in 1	i) 1) ong Living F (C4) Filled Soils	Roots (C3)	Secondary Water- 4A, Draina Dry-Se Satura X Geome Shallo FAC-N	Indicators (2 or more reconstrained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imatorphic Position (D2) w Aquitard (D3) leutral Test (D5)	. RA 1, 2, ngery (C9
Primary Ind Satural Water Sedime Diff D Algal M	pogy ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) hent Deposits (B2) reposits (B3) Mat or Crust (B4) reposits (B5)	:	Water-S MLR Salt Cru Aquatic Hydrog Oxidize Presen Recent Stunted	Stained Lo AA 1, 2, 4 Lost (B11) Inverteble En Sulfide A Rhizos Ce of Rec I Iron Rec d or Stres	A, and 4B rates (B13 e Odor (C' pheres alc duced Iron fuction in 1 ssed Plants	i) i) i) ing Living F (C4) Filled Soils s (D1) (LRI	Roots (C3)	Secondary Water- 4A, Draina Dry-Se Satura X Geome Shallo FAC-N Raisee	Indicators (2 or more reconstructions) Stained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagorphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR	. RA 1, 2, ngery (C9
Primary Ind Satural Water Sedime Diff De Surface Surface Surface Surface Surface Mater Sedime Drift De Surface Iron De Surface	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) Itent Deposits (B2) Iteposits (B3) Mat or Crust (B4) Iteposits (B5) Iteposits (B5) Iteposits (B6) Iteposits (B6) Iteposits (B6) Iteposits (B6) Iteposits (B6) Iterory (B6) I	:: one requi	Water-S MLR Salt Cru Aquatic Hydrog Oxidize Presen Recent Stunter (B7)	Stained Lo AA 1, 2, 4 Lost (B11) Inverteble En Sulfide A Rhizos Ce of Rec I Iron Rec d or Stres	A, and 4B rates (B13 e Odor (C' pheres alc duced Iron duction in 1	i) i) i) ing Living F (C4) Filled Soils s (D1) (LRI	Roots (C3)	Secondary Water- 4A, Draina Dry-Se Satura X Geome Shallo FAC-N Raisee	Indicators (2 or more reconstrained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imatorphic Position (D2) w Aquitard (D3) leutral Test (D5)	. RA 1, 2, ngery (C9
Primary Ind Value Sedim Iron Do Surface Inunda Sparse	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) lent Deposits (B2) leposits (B3) Mat or Crust (B4) leposits (B5) ce Soil Cracks (B6) ation Visible on Aericlely Vegetated Conc	:: one requi	Water-S MLR Salt Cru Aquatic Hydrog Oxidize Presen Recent Stunter (B7)	Stained Lo AA 1, 2, 4 Lost (B11) Inverteble En Sulfide A Rhizos Ce of Rec I Iron Rec d or Stres	A, and 4B rates (B13 e Odor (C' pheres alc duced Iron fuction in 1 ssed Plants	i) i) i) ing Living F (C4) Filled Soils s (D1) (LRI	Roots (C3)	Secondary Water- 4A, Draina Dry-Se Satura X Geome Shallo FAC-N Raisee	Indicators (2 or more reconstructions) Stained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagorphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR	. RA 1, 2, ngery (C9
Primary Ind YDROLO Wetland Hy Primary Ind Your Satural Water Sedime Drift De Algal M Iron De Surface Inunda Spars Field Obs	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) Ition (Deposits (B2) Ition (B4) Ition (B4) Ition (B5) Itin (B5) It	one requi		Stained Lo AA 1, 2, 4 Lost (B11) Inverteble En Sulfide A Rhizos Ce of Rec I Iron Rec d or Stres	A, and 4B rates (B13 e Odor (C2 pheres alc duced Iron duction in 1 ased Plants n Remarks	i) i) i) ing Living F (C4) Filled Soils s (D1) (LRI	Roots (C3)	Secondary Water- 4A, Draina Dry-Se Satura X Geome Shallo FAC-N Raisee	Indicators (2 or more reconstructions) Stained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imagorphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR	. RA 1, 2, ngery (C9
Primary Ind Satural Water Sedime Drift De Algal Me Iron De Surface Surface Field Obs Surface We Surface	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) Ient Deposits (B2) Ieposits (B3) Mat or Crust (B4) Ieposits (B5) Ieposits (B5) Ieposits (B5) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B7) Ieposits (B8) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B7) Ieposits (B7	:: one requi		stained Le RA 1, 2, 4 ust (B11) Inverteb en Sulfid d Rhizos ce of Rec Iron Rec d or Stres (Explain in	A, and 4B rates (B13 e Odor (C' pheres alc duced Iron duction in 1 ased Plants n Remarks	(C4) Filled Soils (D1) (LRI	Roots (C3) (C6) R A)	Secondary Water- 4A, Draina Dry-Se Satura K Geome Shallo FAC-N Raisee Frost-	Indicators (2 or more reconstrained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imatorphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR Heave Hummocks (D7)	. RA 1, 2, ngery (C9
Primary Ind YDROLO Wetland Hy Primary Ind Young Surface Water Sedime Drift De Algal Mellon De Surface Iron De Surface Inunda Spars Field Obs Surface W Water Tab	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) Inent Deposits (B2) Inent Deposits (B3) Mat or Crust (B4) Ineposits (B5) Ineposits (B5) Ineposits (B5) Ineposits (B5) Ineposits (B6) Inepo	one requi		stained Le RA 1, 2, 4 ust (B11) I Inverteb en Sulfide ed Rhizos ce of Rec I Iron Rec d or Stres (Explain in (inches) in (inches)	A, and 4B rates (B13 e Odor (C ² pheres alc duced Iron duction in 1 ssed Plants n Remarks	(C4) Filled Soils (D1) (LRI	Roots (C3)	Secondary Water- 4A, Draina Dry-Se Satura K Geome Shallo FAC-N Raisee Frost-	Indicators (2 or more reconstrained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imatorphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR Heave Hummocks (D7)	. RA 1, 2, ngery (C9
Primary Ind Surface Water Sedime Drift De Algal Meland Obs Surface Water Table Saturation	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) Ient Deposits (B2) Ieposits (B3) Mat or Crust (B4) Ieposits (B5) Ieposits (B5) Ieposits (B5) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B7) Ieposits (B8) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B6) Ieposits (B7) Ieposits (B7	one requi		stained Le RA 1, 2, 4 ust (B11) Inverteb en Sulfid ed Rhizos ce of Rec Iron Rec d or Stres (Explain in n (inches) n (inches)	A, and 4B rates (B13 e Odor (C' pheres alc duced Iron duction in 1 ased Plants n Remarks	(C4) Filled Soils (D1) (LRI	Roots (C3) (C6) R A)	Secondary Water- 4A, Draina Dry-Se Satura X Geome Shallo FAC-N Raised Frost-	Indicators (2 or more reconstrained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imatorphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR Heave Hummocks (D7)	. RA 1, 2, ngery (C9
Primary Ind Surface Water Sedime Drift De Algal Meland Obs Surface Water Table Saturation	ydrology Indicators licators (minimum of e Water (A1) Vater Table (A2) Ition (A3) Marks (B1) Inent Deposits (B2) Inent Deposits (B3) Mat or Crust (B4) Ineposits (B5) Ineposits (B5) Ineposits (B5) Ineposits (B5) Ineposits (B6) Inepo	one requi		stained Le RA 1, 2, 4 ust (B11) Inverteb en Sulfid ed Rhizos ce of Rec Iron Rec d or Stres (Explain in n (inches) n (inches)	A, and 4B rates (B13 e Odor (C' pheres alc duced Iron duction in 1 ased Plants n Remarks	(C4) Filled Soils (D1) (LRI	Roots (C3) (C6) R A)	Secondary Water- 4A, Draina Dry-Se Satura X Geome Shallo FAC-N Raised Frost-	Indicators (2 or more reconstrained Leaves (B9) (ML and 4B) ge Patterns (B10) eason Water Table (C2) tion Visible on Aerial Imatorphic Position (D2) w Aquitard (D3) leutral Test (D5) d Ant Mounds (D6) (LRR Heave Hummocks (D7)	. RA 1, 2, ngery (C9

Project/Site: See sheet		City/County:	Sampling Date: 2 -2
Applicant/Owner:			Sampling Date: 2 C
investigator(s).		Section Towns	in Dense.
candioini (misiope, terrace, etc.):	h	I ocal relief (con	1100
Subregion (LRR):	Lat. U	0.17990	Slope (%): Slope (%): Slope (%): Datum: A
Soil Map Unit Name:		V.0 110	
Are climatic / hydrologic conditions on the site typic	al for this time - t	V	NWI classification:
Are Vegetation/Soil, or Hydrology _	A / sincipor ye	ar? Yes	
Are Vegetation, Soil, or Hydrology _	significantly	disturbed?	Are "Normal Circumstances" present? Yes No
			(If needed, explain any answers in Remarks.)
MINIMARY OF FINDINGS - Attach site	map showing	sampling po	int locations, transects, important features,
rydrophytic vegetation Present? Yes	No		
10/	€ No	within a V	npled Area
Remarks:	X_ No	within a v	Vetland? Yes No
new papere	-42		
	A MOI	~	
EGETATION – Use scientific names o	f plants.		
Tron Stratum (District	Absolute	Dominant Indica	ator Dominance Test worksheet:
1. SAL (Plot size:	% Cover	Species? State	Number of Dominant Species
Alnes ob	10		That Are OBL, FACW, or FAC:
3.		Y FA	Total Number of Dominant
			Species Across All Strata: (B)
	70	= Total Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)		That Are OBL, FACW, or FAC: (A/I
Rubulm	60	Y PA	
·			OBL species x 1 =
			FACW species x 2 =
•	The state of the s		FAC species x 3 = FACU species x 4 =
erb Stratum (Plot size:)	_00_=	Total Cover	UPL species × 5 =
			UPL species x 5 = (A) (B)
			Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			V 2 P
			3 - Prevalence Index is ≤3.0¹
			4 - Morphological Adaptations (Provide supporting
			data in Remarks or on a separate sheet)
	-		5 - Wetland Non-Vascular Plants ¹
			Problematic Hydrophytic Vegetation ¹ (Explain)
			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
oody Vine Stratum (Plot size:)		Total Cover	problematic.
	<u> </u>		Mudanutuat
			Hydrophytic Vegetation
			Present? Yes X No
Bare Ground in Herb Stratum	=1	otal Cover	163 1

			h needed to docum	K Features				
epth	Matrix Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
nches)	10 VR 3/2	99					Clay	104
17	1	70	10 YR 5/6	15	0	M	sanda	dalagen
)-1+	10 YR 5/1	70	10 VR 5/0	ir	-	n	-	-3 . ,
			10 / N 3/9	1>		4.0		mmoney
			3 K 3 //					
Type: C=C	concentration, D=Dep	eletion, RM=	Reduced Matrix, Co	S=Covere	ed or Coat	ed Sand O	Indi	² Location: PL=Pore Lining, M=Matrix. icators for Problematic Hydric Soils ³ :
Histoso Histic E Black H Hydrog			Sandy Redox (Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matrix	S5) (S6) Mineral (F Matrix (F	1) (exce	pt MLRA 1	1) =	2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Thick E	Dark Surface (A12) Mucky Mineral (S1)	,	Redox Dark Some Depleted Dark Redox Depres	Surface ((F7)		1	dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive	Gleyed Matrix (S4) Layer (if present):		Noday popios	N				
Type: _		1.5						Soil Present? Yes No
Depth (i			10	+ 301	1 day	sout d	111 12 27 27	slowing, but still very cet
J. 191	.K		10	+ 301	1 day	so-t 1	111 12 27 27	, soil rieseitt.
Remarks:	OGY		10	+ 301	1 day	sort d	pefol (slowing, but still very unt
Remarks:	.K	s: one require	ed; check all that ap	ply)			pefol (Secondary Indicators (2 or more required)
Wetland F Primary In Surfac High V Satura Water Sedin Drift I Algal Iron I Surfa	OGY Iydrology Indicators dicators (minimum of the Water (A1) Water Table (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) the Soil Cracks (B6) diation Visible on Aeria sely Vegetated Concar	one require	ed; check all that ap Water-S MLR Salt Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B	ply) tained Lea A 1, 2, 4A st (B11) Invertebra en Sulfide d Rhizosp ce of Redu	aves (B9) A, and 4B ates (B13) Odor (C1 heres alo uced Iron action in T ed Plants	(except))) ng Living f (C4) iilled Soils is (D1) (LRf	Roots (C3)	slowing, but still very unt
Wetland F Primary In Surfac High V Satura Water Sedin Drift I Algal Iron I Surfac Inunc Spars	OGY Iydrology Indicators dicators (minimum of the Water (A1) Nater Table (A2) ation (A3) Marks (B1) thent Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) the Soil Cracks (B6) lation Visible on Aeria sely Vegetated Concaservations:	one require al Imagery (ed; check all that ap Water-S MLR. Salt Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B	ply) tained Lea A 1, 2, 4A st (B11) Invertebra en Sulfide d Rhizosp ee of Redu iron Redu or Stress Explain in	aves (B9) A, and 4B ates (B13) Odor (C1 heres alo uced Iron action in T ed Plants Remarks	(except))) ng Living f (C4) iilled Soils is (D1) (LRf	Roots (C3)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROL Wetland F Primary In Surfac Water Sedin Drift I Algal Iron I Surfac Spars Field Obs	OGY Iydrology Indicators dicators (minimum of the Water (A1) Nater Table (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) the Soil Cracks (B6) lation Visible on Aeria sely Vegetated Concasts Servations: Vater Present?	al Imagery (ave Surface	ed; check all that ap Water-S MLR Salt Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B	ply) tained Lea A 1, 2, 4A st (B11) Invertebra en Sulfide d Rhizosp de of Redu Iron Redu or Stress Explain in	aves (B9) A, and 4B Ates (B13) Odor (C1 heres alo uced Iron uction in T ed Plants Remarks	(except))) ng Living f (C4) iilled Soils is (D1) (LRf	Roots (C3)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland F Primary In Surface Whigh N Satura Water Sedin Drift I Surface North Surface V Water Ta Saturation	OGY Iydrology Indicators dicators (minimum of the Water (A1) Nater Table (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) the Soil Cracks (B6) lation Visible on Aeria sely Vegetated Concastervations: Vater Present? the Present?	al Imagery (ave Surface Yes Yes Yes	ed; check all that ap Water-S MLR. Salt Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B8) No Depth No Depth	ply) tained Lea A 1, 2, 4A st (B11) Invertebra en Sulfide d Rhizosp ee of Redu Iron Redu or Stress Explain in (inches): (inches):	aves (B9) A, and 4B ates (B13) Odor (C1) heres alouced Iron action in T ed Plants Remarks	(except))) ng Living F (C4) filled Soils is (D1) (LRF	Roots (C3) (C6) R A)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland F Primary In Surface Whigh V Satura Water Sedin Drift I Surface V Surface V Water Ta Saturation	OGY Iydrology Indicators dicators (minimum of the Water (A1) Water Table (A2) ation (A3) Marks (B1) Ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) the Soil Cracks (B6) Lation Visible on Aeria sely Vegetated Concast servations: Water Present?	al Imagery (ave Surface Yes Yes Yes	ed; check all that ap Water-S MLR. Salt Cru Aquatic Hydroge Oxidized Presend Recent Stunted (B7) Other (B8) No Depth No Depth	ply) tained Lea A 1, 2, 4A st (B11) Invertebra en Sulfide d Rhizosp ee of Redu Iron Redu or Stress Explain in (inches): (inches):	aves (B9) A, and 4B ates (B13) Odor (C1) heres alouced Iron action in T ed Plants Remarks	(except))) ng Living F (C4) filled Soils is (D1) (LRF	Roots (C3) (C6) R A)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/Site: See first shee	T Cit	h/County			7.7
Applicant/Owner:			Sa	mpling Date:	11
	0-	24 Care 199			
Landform (hillslope, terrace, etc.):			Range:		- (
Subregion (LRR):Soil Map Unit Name:	1-1 H()	cal relief (concav	e, convex, none):	Slope	(%):
Soil Map Unit Name:	Lat:	.07 175	Long:124.0867	1 Datum:	NA
			KINAR -1		
Are climatic / hydrologic conditions on the site typical f	or this time of year?	Yes No	(If no, explain in Remai	rks.)	
Are Vegetation, Soil, or Hydrology	significantly dist	turbed? Are	e "Normal Circumstances" prese	nt? Yes	No
Are Vegetation, Soil, or Hydrology	naturally problem	matic? (If	needed, explain any answers in	Domortes \	
SUMMARY OF FINDINGS – Attach site m	nap showing sa	mpling point	locations transports in		
Hydrophytic Vegetation Present? Yes V	_ No	J	rodutoris, transects, im	portant featu	ıres, e
Hydric Soil Present? Yes	_ No	Is the Sample	ed Area		
Wetland Hydrology Present? Yes	_ No	within a Wetla		No	
Remarks:	Carala II		7.00.00	45	
Remarks: surface unter emegins al	21 me chan	2 - see	p//spring area		
- 1479 T			Mom &		
EGETATION – Use scientific names of p	lants.				
Tree Stratum (Plot size: 5w)	Absolute Do	minant Indicator	Dominance Test worksheet		
	% Cover Sp	ecies? Status	Number of Dominant Species		
2	15	Y FAC	That Are OBL, FACW, or FAC	2	_ (A)
3.			Total Number of Dominant	-	
S			Species Across All Strata:	_ 2	_ (B)
0	-15-		Percent of Dominant Species	12.60	
Sapling/Shrub Stratum (Plot size: 5m2)		otal Cover	That Are OBL, FACW, or FAC	: 100	(A/E
Rubulm	_ 70 y	1 FAC	Prevalence Index worksheet	i:	
			Total % Cover of:	Multiply by:	
			OBL species	x 1 =	
			FACW species	x 2 =	
			FAC species	x 3 =	_
erb Stratum (Plot size:)	70 = TO	tal Cover	FACU species	x 4 =	-
			UPL species	x 5 =	4
			Column Totals:	(A)	(B)
		-	Prevalence Index = B/A :		
			Hydrophytic Vegetation Indic		
			1 - Rapid Test for Hydroph	ytic Vegetation	
			2 - Dominance Test is >50		
			3 - Prevalence Index is ≤3.	-	
			4 - Morphological Adaptation data in Remarks or on a	ons' (Provide sur	porting
			5 - Wetland Non-Vascular F	Plants ¹	
			Problematic Hydrophytic Ve		in)
-			Indicators of hydric soil and we	tland bydrology	must
pody Vine Stratum (Plot size:)	= Tota	l Cover	be present, unless disturbed or	problematic.	nast
Tody Vine Otratum Tribi Size					
Plot Size:					
			Hydrophytic		
Bare Ground in Herb Stratum	= Total		Hydrophytic Vegetation Present?	No	

offic Desc	ription: (Describe t	o the depti	h needed to docum	nent the i	naicator	or commit	ule absence	o maiout	-10.4	
epth	Matrix		Redox	x Features %	Type ¹	Loc ²	Texture		Remar	ks
ches)	Color (moist)	%	Color (moist)		Турс		Glaylo	hora .		
-8_	10 y R 3/2	-150		10	-			1	6	
-15	10 YR 5/1	60	10/25/8	30		_//\	Sondyclas) lone		
			104R 5/6	10	(M		-		
	-									1
								4 3		
		+								3
		-		1						
				-	-			-		64
				-			21	ocation: Pl	=Pore Lini	ng, M=Matrix.
ype: C=C	Concentration, D=Dep	oletion, RM=	Reduced Matrix, C	S=Covere	ed or Coat	ed Sand G	Indica	tors for Pro	oblematic I	Hydric Soils ³ :
ydric Soil	Indicators: (Applic	able to all	LKKS, unless our	Wise IIO	teu.)			cm Muck (A		PAGE TANK
_ Histoso			Sandy Redox of Stripped Matrix				Re	ed Parent M	Naterial (TF:	2)
	Epipedon (A2)		Stripped Matrix Loamy Mucky	Mineral (F	-1) (exce	ot MLRA 1) Ve	ery Shallow	Dark Surfa	ce (TF12)
	Histic (A3)		Loamy Gleyed	Matrix (F	2)	est automativit di	_ 0	ther (Explai	n in Remar	ks)
	gert Sulfide (A4) ed Below Dark Surfa	ce (A11)	Depleted Matr							antation and
	Dark Surface (A12)		Redox Dark S	urface (F6	3)		3Indica	ators of hyd tland hydro	ropnytic ve	getation and
Sandy	Mucky Mineral (S1)	200	Depleted Dark	Surface	(F7)		we	tiana nyaro less disturb	ed or proble	ematic
Sandy	Gleyed Matrix (S4)		Redox Depres	ssions (F8	3)		un	less disturb	ed of probit	arrano.
	Layer (if present):									
Type: _	300						Undrin S	oil Present	? Yes	No
Type: _	inches):			(+sai	190	, hard		oil Present	-	
Type: _ Depth (Remarks:	inches):	-28		(+sol	190	, hard		1000	-	
Type: _ Depth (Remarks:	ogy			(tsall	1901	, hard	to get 1	lager J	dre to	10ggd
Type: Depth (Remarks:	OGY	s:	ed; check all that ar	oply)			to get 1	econdary In	dre to	or more required)
Type: Depth (Remarks: IYDROL Wetland I Primary Ir	OGY Hydrology Indicator	s:	ed; check all that ar	oply) Stained Le	eaves (B9)) (except	to get 1	econdary In Water-St	dicators (2	10ggd
Type: Depth (Remarks: IYDROL Wetland I Primary Ir	OGY Hydrology Indicator dicators (minimum o	s:	ed; check all that ar Water-S MLR	oply) Stained Le	eaves (B9)) (except	to get 1	econdary In Water-St 4A, a	dicators (2 ained Leavend 4B)	or more required) es (B9) (MLRA 1, 2,
Type: Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa X High	OGY Hydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2)	s:	ed; check all that ar Water-S MLR Salt Cru	oply) Stained Le (A 1, 2, 4) ust (B11)	eaves (B9)) (except	to get 1	econdary In Water-St 4A, ar Drainage	dicators (2 ained Leavend 4B)	or more required) es (B9) (MLRA 1, 2,
Type: Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa X High X Satur	OGY Hydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ration (A3)	s:	ed; check all that ar Water-S MLR Salt Cru Aquatic	oply) Stained Le A 1, 2, 44 ust (B11)	eaves (B9) A, and 4B) (except	to get 1	econdary In Water-St 4A, ar Drainage Dry-Seas	dicators (2 ained Leavend 4B) Patterns (I	or more required) es (B9) (MLRA 1, 2, B310) Table (C2)
Type: _ Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa X High X Satur Wate	OGY Hydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2)	s:	ed; check all that ar Water-S MLR Salt Cru Aquatic	oply) Stained Le RA 1, 2, 44 ust (B11) Invertebren Sulfide	eaves (B9) A, and 4B rates (B13) (except ;)	se se	econdary In Water-St 4A, ai Drainage Dry-Seas Saturatio	dicators (2 ained Leavend 4B) Patterns (I son Water I on Visible on	or more required) es (B9) (MLRA 1, 2, B10) Table (C2) n Aerial Imagery (C9
Type: _ Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa X High X Satur Wate Sedin	OGY Hydrology Indicator Indicators (minimum of the Water (A1) Water Table (A2) Indicator (A3) Indicator (B1)	s:	red; check all that ar — Water-S MLR — Salt Cru Aquatic — Hydrog Oxidize	oply) Stained Le RA 1, 2, 4/ ust (B11) Invertebren Sulfide	eaves (B9) A, and 4B rates (B13 e Odor (C') (except i) i) i) i) ng Living I	to get 1	econdary In Water-St 4A, an Drainage Dry-Seas Saturatio Geomory	dicators (2 ained Leave and 4B) Patterns (I son Water I on Visible of phic Positio	or more required) es (B9) (MLRA 1, 2, B10) Table (C2) n Aerial Imagery (C9 n (D2)
Type: _ Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa X High X Satur Wate Sedii Drift	OGY Hydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ration (A3) or Marks (B1) ment Deposits (B2)	s:	red; check all that ar — Water-S MLR — Salt Cru — Aquatic — Hydrog — Oxidize Presen	oply) Stained Le RA 1, 2, 44 ust (B11) Invertebren Sulfide ed Rhizosp	eaves (B9) A, and 4B rates (B13 e Odor (C' oheres alc	(C4)	Se Roots (C3)	econdary In Water-St 4A, an Drainage Dry-Seas Saturation Geomory Shallow	dicators (2 ained Leave nd 4B) Patterns (I son Water T on Visible or phic Positio Aquitard (D	or more required) es (B9) (MLRA 1, 2, 310) Table (C2) n Aerial Imagery (C9 n (D2) 3)
Type: Depth (Remarks: YDROL Wetland I Primary Ir X Surfa X High X Satur Wate Sedir Drift Algal Iron	LOGY Hydrology Indicator adicators (minimum of ce Water (A1)) Water Table (A2) For Marks (B1) Ment Deposits (B2) Deposits (B3) I Mat or Crust (B4) Deposits (B5)	s:	ed; check all that ar — Water-S MLR — Salt Cru — Aquatio — Hydrog — Oxidize — Presen Recent	oply) Stained Let A 1, 2, 44 ust (B11) Invertebren Sulfide d Rhizosp ce of Red	eaves (B9) A, and 4B rates (B13 e Odor (C' pheres alc luced Iron uction in 1	(C4)	Se	econdary In Water-St 4A, ar Drainage Dry-Seas Saturatio Geomory Shallow FAC-Nee	dicators (2 ained Leavend 4B) Patterns (I son Water T on Visible or phic Positio Aquitard (D utral Test (I	or more required) es (B9) (MLRA 1, 2, 310) Table (C2) n Aerial Imagery (C9 n (D2) 3) 05)
Type: Depth (Remarks: YDROL Wetland I Primary Ir X Surfa X High X Satur Wate — Sedir — Drift — Algal — Iron Surfa	DOGY Hydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ation (A3) Marks (B1) Ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) Mace Soil Cracks (B6)	s: f one requir	ed; check all that ar Water-S MLR Salt Cru Aquatic Hydrog Oxidize Presen Recent Stunted	oply) Stained Le A 1, 2, 44 ust (B11) Invertebren Sulfide d Rhizospece of Red Iron Redid or Stress	eaves (B9) A, and 4B ates (B13 e Odor (C' pheres ald luced Iron uction in 1 sed Plants	(except) 1) ng Living I (C4) Filled Soils s (D1) (LRI	Se	econdary In Water-St 4A, ar Drainage Dry-Seas Saturation Geomory Shallow FAC-Net Raised A	dicators (2 ained Leavend 4B) Patterns (I son Water Ton Visible or phic Position Aquitard (Dutral Test (I Ant Mounds)	or more required) es (B9) (MLRA 1, 2, B10) Table (C2) In Aerial Imagery (C9 In (D2) B3) D5) (D6) (LRR A)
Type: Depth (Remarks: YDROL Wetland I Primary Ir X Surfa X High X Satur Wate Sedin Drift Algal Iron Surfa	DOGY Hydrology Indicator dicators (minimum of the company of the c	s: f one requir	ed; check all that ar Water-S MLR Salt Cru Aquatic Yydrog Oxidize Presen Recent Stunter (B7)	oply) Stained Let A 1, 2, 44 ust (B11) Invertebren Sulfide d Rhizosp ce of Red	eaves (B9) A, and 4B ates (B13 e Odor (C' pheres ald luced Iron uction in 1 sed Plants	(except) 1) ng Living I (C4) Filled Soils s (D1) (LRI	Se	econdary In Water-St 4A, ar Drainage Dry-Seas Saturation Geomory Shallow FAC-Net Raised A	dicators (2 ained Leavend 4B) Patterns (I son Water T on Visible or phic Positio Aquitard (D utral Test (I	or more required) es (B9) (MLRA 1, 2, B10) Table (C2) In Aerial Imagery (C9 In (D2) B3) D5) (D6) (LRR A)
Type: _ Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa X High X Satur — Wate — Sedin — Drift — Algal — Iron — Surfa — Inun — Span	Deposits (B3) I Mat or Crust (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aericsely Vegetated Conc	s: f one requir	ed; check all that ar Water-S MLR Salt Cru Aquatic Yydrog Oxidize Presen Recent Stunter (B7)	oply) Stained Le A 1, 2, 44 ust (B11) Invertebren Sulfide d Rhizospece of Red Iron Redid or Stress	eaves (B9) A, and 4B ates (B13 e Odor (C' pheres ald luced Iron uction in 1 sed Plants	(except) 1) ng Living I (C4) Filled Soils s (D1) (LRI	Se	econdary In Water-St 4A, ar Drainage Dry-Seas Saturation Geomory Shallow FAC-Net Raised A	dicators (2 ained Leavend 4B) Patterns (I son Water Ton Visible or phic Position Aquitard (Dutral Test (I Ant Mounds)	or more required) es (B9) (MLRA 1, 2, B10) Table (C2) In Aerial Imagery (C9 In (D2) B3) D5) (D6) (LRR A)
Type: _ Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa X High X Satur Wate Sedir Algal Iron Surfa Inun Spar	Hydrology Indicator adicators (minimum of ce Water (A1)) Water Table (A2) artion (A3) Ar Marks (B1) Ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) Are Soil Cracks (B6) dation Visible on Aericsely Vegetated Conceservations:	s: f one requir	ed; check all that are Water-S MLR Salt Cru Aquatio Hydrog Oxidize Presen Recent Stunted (B7) Other (oply) Stained Let A 1, 2, 44 ust (B11) Invertebre en Sulfide d Rhizosp ce of Red Iron Red d or Stress Explain in	eaves (B9) A, and 4B rates (B13 e Odor (Cr pheres alc luced Iron uction in 1 sed Plants	(except) 1) ng Living I (C4) Filled Soils s (D1) (LRI	Se	econdary In Water-St 4A, ar Drainage Dry-Seas Saturation Geomory Shallow FAC-Net Raised A	dicators (2 ained Leavend 4B) Patterns (I son Water Ton Visible or phic Position Aquitard (Dutral Test (I Ant Mounds)	or more required) es (B9) (MLRA 1, 2, B10) Table (C2) In Aerial Imagery (C9 In (D2) B3) D5) (D6) (LRR A)
Type: _ Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa Wate Sedin Drift Algal Iron Surfa Inun Span Field Ob	DOGY Hydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) Tation (A3) Marks (B1) Ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) Mace Soil Cracks (B6) dation Visible on Aeri rsely Vegetated Conciservations: Water Present?	s: f one requir ial Imagery cave Surface	ed; check all that ar Water-S MLR Salt Cru Aquatic Yydrog Oxidize Presen Recent Stunted (B7) Other (e) (B8)	oply) Stained Le A 1, 2, 44 ust (B11) Invertebren Sulfide d Rhizospece of Red Iron Redid or Stress Explain in	eaves (B9) A, and 4B ates (B13 e Odor (C' pheres alc luced Iron uction in 1 sed Plants n Remarks	(except) 1) ng Living I (C4) Filled Soils s (D1) (LRI	Se	econdary In Water-St 4A, ar Drainage Dry-Seas Saturation Geomory Shallow FAC-Net Raised A	dicators (2 ained Leavend 4B) Patterns (I son Water Ton Visible or phic Position Aquitard (Dutral Test (I Ant Mounds)	or more required) es (B9) (MLRA 1, 2, B10) Table (C2) In Aerial Imagery (C9 In (D2) B3) D5) (D6) (LRR A)
Type: Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa Y High X Satur Wate Sedin Iron Surfac Inun Span Field Ob Surface Water Ta	DOGY Hydrology Indicator dicators (minimum of ce Water (A1) Water Table (A2) Fration (A3) Fr Marks (B1) Ment Deposits (B2) Deposits (B3) I Mat or Crust (B4) Deposits (B5) Frace Soil Cracks (B6) dation Visible on Aericsely Vegetated Concustrations: Water Present? Frable Present?	s: f one requir fal Imagery cave Surface Yes	ed; check all that ar Water-S MLR Salt Cru Aquatic Hydrog Oxidize Presen Recent Stunted (B7) Other (e) (B8)	pply) Stained Le RA 1, 2, 44 ust (B11) Invertebren Sulfide d Rhizosp ce of Red Iron Red d or Stress (Explain in	eaves (B9) A, and 4B ates (B13 e Odor (C' pheres alc luced Iron uction in 1 sed Plants n Remarks	(except b) 1) ong Living I (C4) Filled Soils s (D1) (LRI	Se	econdary In Water-St 4A, ar Drainage Dry-Seas Saturatio Geomory Shallow FAC-Net Raised A Frost-He	dicators (2 ained Leave nd 4B) Patterns (I son Water T on Visible or phic Positio Aquitard (D utral Test (I Ant Mounds	or more required) es (B9) (MLRA 1, 2, 310) Table (C2) n Aerial Imagery (C9 n (D2) 3) 05) (D6) (LRR A) nocks (D7)
Type: Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa Y High X Satur Wate Sedin Iron Surfac Inun Span Field Ob Surface Water Ta Saturatio	DOGY Hydrology Indicator dicators (minimum of ce Water (A1) Water Table (A2) ration (A3) re Marks (B1) ment Deposits (B2) Deposits (B3) I Mat or Crust (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aericsely Vegetated Concesservations: Water Present? able Present?	s: f one requir fal Imagery cave Surface Yes Yes Yes Yes Yes Yes	ed; check all that ar Water-S MLR Salt Cru Aquatic Yydrog Oxidize Presen Recent Stunter (B7) Other (e (B8) No Depth No Depth No Depth	oply) Stained Le A 1, 2, 4 ust (B11) Invertebre en Sulfide ed Rhizosp ce of Red d or Stress (Explain in	eaves (B9) A, and 4B eates (B13 e Odor (Croheres alcuced Iron uction in Tosed Plants a Remarks	(cxcept b) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i	Se S	econdary In Water-St 4A, al Drainage Dry-Seas Saturatio Geomory Shallow FAC-Ne Raised A Frost-He	dicators (2 ained Leave nd 4B) Patterns (I son Water T on Visible or phic Positio Aquitard (D utral Test (I Ant Mounds	or more required) es (B9) (MLRA 1, 2, 310) Table (C2) n Aerial Imagery (C9 n (D2) 3) 05) (D6) (LRR A) nocks (D7)
Type: Depth (Remarks: YDROL Wetland I Primary Ir X Surfa Y High X Satur Wate Sedin Iron Surfac Inun Span Field Ob Surface Water Ta Saturatio	DOGY Hydrology Indicator dicators (minimum of ce Water (A1) Water Table (A2) Fration (A3) Fr Marks (B1) Ment Deposits (B2) Deposits (B3) I Mat or Crust (B4) Deposits (B5) Frace Soil Cracks (B6) dation Visible on Aericsely Vegetated Concustrations: Water Present? Frable Present?	s: f one requir fal Imagery cave Surface Yes Yes Yes Yes Yes Yes	ed; check all that ar Water-S MLR Salt Cru Aquatic Yydrog Oxidize Presen Recent Stunter (B7) Other (e (B8) No Depth No Depth No Depth	oply) Stained Le A 1, 2, 4 ust (B11) Invertebre en Sulfide ed Rhizosp ce of Red d or Stress (Explain in	eaves (B9) A, and 4B eates (B13 e Odor (Croheres alcuced Iron uction in Tosed Plants a Remarks	(cxcept b) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i	Se S	econdary In Water-St 4A, al Drainage Dry-Seas Saturatio Geomory Shallow FAC-Ne Raised A Frost-He	dicators (2 ained Leave nd 4B) Patterns (I son Water T on Visible or phic Positio Aquitard (D utral Test (I Ant Mounds	or more required) es (B9) (MLRA 1, 2, 310) Table (C2) n Aerial Imagery (C9 n (D2) 3) 05) (D6) (LRR A) nocks (D7)
Type: Depth (Remarks: IYDROL Wetland I Primary Ir X Surfa Y High X Satur Wate Sedin Iron Surfac Inun Span Field Ob Surface Water Ta Saturatio	DOGY Hydrology Indicator Indicators (minimum of the company of the	s: f one requir fal Imagery cave Surface Yes Yes Yes Yes Yes Yes	ed; check all that ar Water-S MLR Salt Cru Aquatic Yydrog Oxidize Presen Recent Stunter (B7) Other (e (B8) No Depth No Depth No Depth	oply) Stained Le A 1, 2, 4 ust (B11) Invertebre en Sulfide ed Rhizosp ce of Red d or Stress (Explain in	eaves (B9) A, and 4B eates (B13 e Odor (Croheres alcuced Iron uction in Tosed Plants a Remarks	(cxcept b) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i	Se S	econdary In Water-St 4A, al Drainage Dry-Seas Saturatio Geomory Shallow FAC-Ne Raised A Frost-He	dicators (2 ained Leave nd 4B) Patterns (I son Water T on Visible or phic Positio Aquitard (D utral Test (I Ant Mounds	or more required) es (B9) (MLRA 1, 2, 310) Table (C2) n Aerial Imagery (C9 n (D2) 3) 05) (D6) (LRR A) nocks (D7)

Project/Site:See sheet	City/	County:		Sampling Date: 2-21-
Applicant/Owner:			State:	0 2 - 12/8
andform (hillelana, tarrasa, etc.) 194 a				
andionni fillisione lettace etc.				
	Lat: _40 ,	87989	Long: -12 4.6	3/20 Stope (%): _2
			NIA/Lolos	sification:
e climatic / hydrologic conditions on the site typic e Vegetation , Soil , or Hydrology e Vegetation , Soil , or Hydrology _ UMMARY OF FINDINGS – Attach site	significantly distur	res No. bed? Are	(If no, explain	in Remarks.) es" present? Yes No
Hydric Soil Present? Yes	X No No No	Is the Sampled within a Wetla	d Area	No No
GETATION - Use scientific names o		Я Мо	WA.	
ree Stratum (Plot size: 5m2	% Cover Spec	inant Indicator iles? Status	Number of Dominant That Are OBL, FACV	Species
			Total Number of Don Species Across All S	trata: (B)
Poling/Shrub Stratum (Plot size: 5 m ²			Percent of Dominant That Are OBL, FACW	, or FAC: (A/E
	X	PAC	Prevalence Index w	
			Total % Cover of	
			FACW species	x 1 = x 2 =
			FAC species	x3=
	= Total	Cover	FACU species	x 4 =
b Stratum (Plot size:)		Cover		x 5 =
			Column Totals:	(A)(B)
			Prevalence Inde	
			Hydrophytic Vegetati	ion Indicators
			1 - Rapid Test for	Hydrophytic Vegetation
			X 2 - Dominance Te	st is >50%
			3 - Prevalence Ind	
			4 - Morphological	Adaptations ¹ (Provide supporting
				s or on a separate sheet)
			5 - Wetland Non-V	ascular Plants' phytic Vegetation ¹ (Explain)
			Indicators of hydric soi	and wetland hydrology must
dy Vine Stratum (Plot size:)	= Total C	Cover	be present, unless distr	urbed or problematic.
			Hydrophytic	
		\	Vegetation /	V
			Jeennant?	
are Ground in Herb Stratum	= Total C	over	Present? Ye	No

file Desc	ription: (Describe t	o the dep	th needed to docu	ment the I	ndicator	or commi	the absence of indicators.)
pth	Matrix		Redo	ox Feature: %	Type ¹	Loc ²	Texture Remarks
ches)	Color (moist)	%	Color (moist)	70	C	M	Claulon
-11	10 YR3/2		10 YR 5/6				- Cagi
-15	10 yR7/2	90	104R5/8	10		M	
		-					
		-					
			-	-	-	-	
-			- Dadwood Matrix (ed or Coat	ed Sand Gr	rains. ² Location: PL=Pore Lining, M=Matrix.
ype: C=C	oncentration, D=Dep	pletion, RIV	I I RRs unless oth	erwise no	ted.)		Indicators for Problematic Hydric Soils ³ :
		,able to al	Sandy Redox	(S5)			2 cm Muck (A10)
_ Histoso			Stripped Matr				Red Parent Material (TF2)
	pipedon (A2)		Loamy Mucky	Mineral (F	-1) (exce	pt MLRA 1)	Very Shallow Dark Surface (TF12)
	listic (A3) en Sulfide (A4)		Loamy Gleye				Other (Explain in Remarks)
_ nyurog	ed Below Dark Surfa	ce (A11)	Depleted Mat	rix (F3)			3
	Oark Surface (A12)		Redox Dark				³ Indicators of hydrophytic vegetation and wetland hydrology must be present,
	Mucky Mineral (S1)		Depleted Dar				unless disturbed or problematic.
Sandy	Gleyed Matrix (S4)		Redox Depre	essions (F8	3)		unless distarbed of problematic
actrictive	Layer (if present):						
esuictive	to be						
Type: _							Undrie Soil Bresent? Yes No Y
Type: _ Depth (i	nches):		in	n fill	more	1	Hydric Soil Present? YesNo
Type: Depth (i Remarks:	nches):		in	n fill	Morr	//	Hydric Soil Present? YesNo
Type: Depth (i	nches):	·	10	u fill	move	1	274
Type:	OGY	· ·	ired; check all that a	apply)		\ //	Secondary Indicators (2 or more required
Type: Depth (i Remarks: YDROL Wetland H	OGY lydrology Indicator	· ·	ired; check all that a	apply) Stained Le	eaves (B9)		Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA
Type: Depth (i Remarks: YDROL Wetland H Primary In Surface	OGY Hydrology Indicator dicators (minimum oce Water (A1)	· ·	ired; check all that a	apply)	eaves (B9)		Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA days)
Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac X High \(\)	OGY Hydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2)	· ·	ired; check all that a Water- ML	apply) Stained Le	eaves (B9)		Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA of AA, and 4B) Drainage Patterns (B10)
Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac X High \ Satura	OGY Hydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ation (A3)	· ·	ired; check all that a Water- M L Salt Ci Aquati	stained Le RA 1, 2, 4/ rust (B11) c Invertebr	eaves (B9) A, and 4B ates (B13))	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA of AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac High \ _ Satura _ Water	OGY Iydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1)	· ·	ired; check all that a Water- ML Salt Ci Aquati Hydroj	spply) Stained Le RA 1, 2, 4/ rust (B11) c Invertebr	eaves (B9) A, and 4B ates (B13)) 1)	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA of the secondary Indicators (2 or more required to the secondary Indicators (B9) (MLRA of the secondary Indicators (B9) (MLRA of the secondary Indicators (B10)
Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac High \ _ Satura _ Water _ Sedin	OGY Iydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) nent Deposits (B2)	· ·	ired; check all that a Water- ML Salt Ci Aquati Hydrog	spply) Stained Le RA 1, 2, 4/ rust (B11) c Invertebr gen Sulfide ed Rhizosp	eaves (B9) A, and 4B ates (B13 e Odor (C')) I) ong Living R	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA dand 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Boots (C3) — Geomorphic Position (D2)
Type: Depth (i Remarks: YDROL YDROL Wetland H Primary In Surfac X High \ X Satura Water Sedin Drift I	OGY iydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) nent Deposits (B2) Deposits (B3)	· ·	ired; check all that a Water- ML Salt Ci Aquati Hydrog Oxidiz Prese	stained Le RA 1, 2, 4/ rust (B11) c Invertebr gen Sulfide ed Rhizosp nce of Red	eaves (B9) A, and 4B ates (B13 e Odor (C' oheres alc uced Iron) I) ong Living R (C4)	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA of AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Boots (C3)) Geomorphic Position (D2) Shallow Aquitard (D3)
Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac X High \ X Satura Water Sedin Drift [Algal	OGY Iydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) nent Deposits (B2) Deposits (B3) Mat or Crust (B4)	· ·	ired; check all that a Water- ML Salt Ci Aquati Hydrog Oxidiz Preseg	stained Le RA 1, 2, 4/ rust (B11) c Invertebr gen Sulfide ed Rhizosp nce of Red at Iron Red	eaves (B9) A, and 4B eates (B13 e Odor (C' oheres alc uced Iron uction in 1) I) ong Living R (C4) Filled Soils (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 Coots (C3) — Geomorphic Position (D2) Shallow Aquitard (D3) (C6) — FAC-Neutral Test (D5)
Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac X High \ X Satura Water Sedin Drift [Algal Iron [OGY Iydrology Indicator dicators (minimum of the Water (A1) Water Table (A2) ation (A3) or Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5)	· ·	ired; check all that a Water- ML Salt Ci Aquati Oxidiz Presei Recer	stained Le RA 1, 2, 4/ rust (B11) c Invertebr gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress	eaves (B9) A, and 4B eates (B13 e Odor (C' bheres alc uced Iron uction in 1) ing Living R (C4) Filled Soils (s (D1) (LRR	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA of AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cots (C3) — Geomorphic Position (D2) Shallow Aquitard (D3) (C6) — FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac X High \ X Satura Water Sedin Drift [Algal Iron [Surfac Algal Iron [Inunc	OGY Iydrology Indicator dicators (minimum o ce Water (A1) Water Table (A2) ation (A3) r Marks (B1) nent Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) ace Soil Cracks (B6) dation Visible on Aer	s: f one requi	ired; check all that a Water- ML: Salt Cr Aquati Hydror Oxidiz Preser Recer Stunter	stained Le RA 1, 2, 4/ rust (B11) c Invertebr gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress	eaves (B9) A, and 4B eates (B13 e Odor (C' bheres alc uced Iron uction in 1) ing Living R (C4) Filled Soils (s (D1) (LRR	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA of AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cots (C3) — Geomorphic Position (D2) Shallow Aquitard (D3) (C6) — FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Type: Depth (i Remarks: YDROL Wetland H Primary In Surfac Water Sedin Drift [Algal Iron [Surfac Spars Field Obs Surface W Water Ta Saturatio	OGY Iydrology Indicator dicators (minimum of the Water (A1) Water Table (A2) ation (A3) In Marks (B1) International Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) International Cracks (B6) dation Visible on Aeri sely Vegetated Conceservations: Water Present? Ible Present?	s: If one required the requirement of the requireme	ired; check all that a Water- ML Salt Cr Aquati Preser Stunter Stunter (B7) Other ce (B8)	Stained Le RA 1, 2, 44 rust (B11) c Invertebr gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress (Explain in	eaves (B9) A, and 4B eates (B13 e Odor (Croheres alcuced Iron uction in Tosed Plants a Remarks) i) ing Living R (C4) filled Soils (is (D1) (LRR	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA of AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cots (C3) — Geomorphic Position (D2) Shallow Aquitard (D3) (C6) — FAC-Neutral Test (D5) (AA) — Raised Ant Mounds (D6) (LRR A)
Type: Depth (i Remarks: YDROL Wetland H Primary In: Surfac Water Sedin Drift [Algal Iron [Surfac Surface V Water Ta Saturatio	OGY Iydrology Indicator dicators (minimum of ce Water (A1) Water Table (A2) ation (A3) If Marks (B1) Inent Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) Index Soil Cracks (B6) Idation Visible on Aericsely Vegetated Conceservations: Water Present? In Present?	rs: f one required in the second in the sec	ired; check all that a Water- ML Salt Cr Aquati Hydrog Oxidiz Preser Stunte (B7) Other ce (B8) No Dept No Dept No Dept	Stained Lee RA 1, 2, 4/ rust (B11) c Invertebr gen Sulfide ed Rhizosp nce of Red at Iron Red ed or Stress (Explain in h (inches): th (inches):	eaves (B9) A, and 4B ates (B13 e Odor (C' cheres alc uced Iron uction in 1 sed Plants in Remarks) i) ing Living R (C4) filled Soils (is (D1) (LRR ii)	Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA 14A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Coots (C3) — Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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	Y		State:	Sampling Point: 130/5
persone d	ACION 10	ocal relief (concave	convey none):	Claus (0()
1	Lat: HO	27981	Long: -12 U	9/70 Slope (%):
	Lui,	7	Long. 12 1	8670 Datum:
the site typical fo	or this time of year?	You / No	NVVI classi	fication:
Hydrology	significantly dia	tres No.		
Hydrology 4	significantly dis			
ttach site m	ap showing s	ampling point	locations, transect	ts, important features, e
		1 15 3 3 5	Care C	
				NG.
Yes	_ No	within a Wetla	mar res	No
~~	in fi	11 mound		9
names of p	lants.		V	
			Dominance Test wor	ksheet:
	% Cover S	pecies? Status	Number of Dominant	Species
			That Are OBL, FACW	, or FAC: (A)
				The state of the s
			Species Across All Str	rata: (B)
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	70	Y FAC		
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				x 1 =
ì	=1	otal Cover		
	7			
			Commence of the control of the contr	Adaptations ¹ (Provide supportin
			data in Remark	s or on a separate sheet)
				phytic Vegetation ¹ (Explain)
			Indicators of hydric soil	I and wetland hydrology must
i	= To	otal Cover	be present, unless distr	urbed or problematic.
			Hydrophytic Vegetation	α
			Present? Ye	- Y /
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	the site typical for Hydrology Attach site m Yes X Yes Yes I names of p	the site typical for this time of years Hydrology significantly dis Hydrology naturally problem in the site typical for this time of years Hydrology naturally problem in the site map showing says and showing says no home in the site map showing says no home in the site typical for this time of years and site in the site typical for this time of years and says not have a significantly distributed in the site typical for this time of years and says not have a significantly distributed in the site typical for the site typical fore	Section, Township, R Local relief (concave Lat: 40,87981 the site typical for this time of year? Yes No Hydrology Significantly disturbed? Are Hydrology Inaturally problematic? (If r Attach site map showing sampling point Yes No Yes No Yes No Ho Hydrology Inaturally problematic? Attach site map showing sampling point Yes No Yes No Ho Hydrology Inaturally problematic? Is the Sample within a Wetlan The control of this time of year? Yes No Hydrology Inaturally problematic? If the site typical for this time of year? Yes No Hydrology Inaturally problematic? If the sample within a Wetlan The control of this time of year? Yes No Hydrology Inaturally problematic? If the sample within a Wetlan The control of this time of year? Yes No Hydrology Inaturally problematic? If the sample within a Wetlan The control of this time of year? Yes No Hydrology Inaturally problematic? If the sample within a Wetlan The control of this time of year? Yes No Hydrology Inaturally problematic? If the sample within a Wetlan The control of this time of year? Yes No Hydrology Inaturally problematic? If the sample within a Wetlan The control of this time of year? Yes No Hydrology Inaturally problematic? If the sample within a Wetlan The control of this time of year? Yes No Hydrology Inaturally problematic? If the control of this time of year? Yes No Hydrology Inaturally problematic? If the control of the c	Section, Township, Range: Local relief (concave, convex, none): Lat: 40, 87991 Long: -124.0 NWI classist the site typical for this time of year? Yes No (If no, explain in attyrated): Hydrology significantly disturbed? Are "Normal Circumstances" (If needed, explain any answ lattach site map showing sampling point locations, transect Yes No Is the Sampled Area within a Wetland? Yes No Yes

Texture Remarks Clay location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: 2 cm Muck (A10) 1 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
rains. 2 Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
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wetland hydrology must be present, unless disturbed or problematic.
unless disturbed or problematic.
Hydric Soil Present? YesNo
Hydric Soil Present? Yes No
Secondary Indicators (2 or more required)
Water-Stained Leaves (B9) (MLRA 1, 2,
4A, and 4B)
Drainage Patterns (B10)
Dry-Season Water Table (C2)
Saturation Visible on Aerial Imagery (C9
pots (C3) Geomorphic Position (D2)
Shallow Aquitard (D3)
Frost-Heave Hummocks (D7)
etland Hydrology Present? (Yes No
s), if available: