

WETLAND DELINEATION / DETERMINATION REPORT COVER FORM

A complete report and signed report cover form, along with applicable review fee, are required before a report review timeline can be initiated by the Department of State Lands. All applicants will receive an emailed confirmation that includes the report's unique file number and other information.

Ways to submit report:

- ◆ Under 50MB - A single unlocked PDF can be emailed to: wetland.delineation@dsl.oregon.gov.
- ◆ 50MB or larger - A single unlocked PDF can be uploaded to the [Jurisdiction Box.com](https://www.dsl.oregon.gov/permissions/Jurisdiction-Box.com) folder. Email wetland.delineation@dsl.oregon.gov of the new upload.
- ◆ Unbound paper report and signed cover form can be mailed to: Oregon Department of State Lands, 775 Summer Street NE, Suite 100, Salem, OR 97301-1279.

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- ◆ By credit card on DSL's [epayment portal](#) after receiving the unique file number from DSL's emailed confirmation.
- ◆ By check payable to the Oregon Department of State Lands attached to the unbound paper report **OR** attached to the complete signed cover form if report submitted electronically.

Contact and Authorization Information	
<input checked="" type="checkbox"/> Applicant <input type="checkbox"/> Owner Name, Firm and Address: Michael Weinstock Cinnabar Growth Capital, Inc. 1702 Meridian Ave., Suite L-113	Business phone # 408.833.3948 Mobile phone # (optional) E-mail: weinmike@gmail.com
<input type="checkbox"/> Authorized Legal Agent, Name and Address (if different):	Business phone # Mobile phone # (optional) E-mail:
I either own the property described below or I have legal authority to allow access to the property. I authorize the Department to access the property for the purpose of confirming the information in the report, after prior notification to the primary contact.	
Typed/Printed Name: <u>MICHAEL WEINSTOCK</u> Signature: <u>Michael Weinstock</u> Date: <u>6/8/2024</u> Special instructions regarding site access:	
Project and Site Information	
Project Name: Croman Mill Redevelopment	Latitude: 42.17600543 Longitude: -122.66597360 decimal degree - centroid of site or start & end points of linear project
Proposed Use: Mixed use development	Tax Map # 39 1E 14AC Tax Lot(s) 900, 1700 Tax Map # 39 1E 14D Tax Lot(s) 800, 900, 1000, 1100, 1301, ROW
Project Street Address (or other descriptive location): north of Siskiyou Blvd, east of Mistletoe Rd, west of the railroad tracks City: Ashland County: Jackson	Township 39S Range 1E Section 14 QQ AC; D Use separate sheet for additional tax and location information Waterway: Golf Creek River Mile:
Wetland Delineation Information	
Wetland Consultant Name, Firm and Address: Juniper Tagliabue/Jodi Forgiore Schott and Associates PO Box 589 Aurora, OR 97002	Phone # 503.678.6007 Mobile phone # (if applicable) E-mail: juniper@schottandassociates.com
The information and conclusions on this form and in the attached report are true and correct to the best of my knowledge.	
Consultant Signature: <u>Jodi Forgiore</u> Date: <u>6/11/2024</u>	
Primary Contact for report review and site access is <input checked="" type="checkbox"/> Consultant <input type="checkbox"/> Applicant/Owner <input type="checkbox"/> Authorized Agent	
Wetland/Waters Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Study Area size: 60.16 Total Wetland Acreage: 0.3	
Check Applicable Boxes Below	
<input type="checkbox"/> R-F permit application submitted <input type="checkbox"/> Mitigation bank site <input type="checkbox"/> EFSC/ODOE Proj. Mgr. _____ <input type="checkbox"/> Wetland restoration/enhancement project (not mitigation) <input type="checkbox"/> Previous delineation/application on parcel If known, previous DSL # _____	<input type="checkbox"/> Fee payment submitted \$ _____ <input type="checkbox"/> Resubmittal of rejected report (\$100) <input type="checkbox"/> Request for Reissuance. See eligibility criteria. (no fee) DSL # _____ Expiration date _____ <input checked="" type="checkbox"/> LWI shows wetlands or waters on parcel Wetland ID code <u>Pond</u>
For Office Use Only	
DSL Reviewer: _____ Fee Paid Date: ____/____/____	DSL WD # _____
Date Delineation Received: ____/____/____	DSL App.# _____



SCHOTT & ASSOCIATES, INC.
Ecologists & Wetland Specialists

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**JURISDICTIONAL WETLAND
DELINEATION REPORT
FOR**

Croman Mill Redevelopment Project

T39S, R1E, Section 14AC, Tax Lot 900 and 1700
Section 14D Tax Lots 800, 900, 1000, 1100, 1301 and portion of ROW
Ashland, Jackson, Oregon

Prepared for

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Date:

April 2024

Project #: 3135

TABLE OF CONTENTS

(A) LANDSCAPE SETTING AND LAND USE 1

(B) SITE ALTERATIONS 1

(C) PRECIPITATION DATA AND ANALYSIS 2

(D) SITE SPECIFIC METHODS 4

(E) DESCRIPTION OF ALL WETLANDS AND OTHER NON-WETLAND WATERS
..... 5

(F) DEVIATION FROM LWI OR NWI 7

(G) MAPPING METHOD 7

(H) ADDITIONAL INFORMATION 8

(I) SUMMARY AND CONCLUSIONS 8

(J) DISCLAIMER 8

LIST OF TABLES

TABLE 1. PRECIPITATION SUMMARY FOR THE DATE OF FIELDWORK AND PRECEDING
WATER YEAR (OCTOBER 1, 2023 – DATE OF FIELDWORK)..... 3

TABLE 2. PRECIPITATION ASSESSMENT FOR THE THREE MONTHS PRECEDING MARCH
FIELDWORK 3

TABLE 3. PRECIPITATION ASSESSMENT FOR THE THREE MONTHS PRECEDING MAY
FIELDWORK 3

TABLE 4. WETLAND/WATER SUMMARY TABLE..... 8

APPENDICES

- APPENDIX A: FIGURES
 - FIGURE 1: LOCATION MAP
 - FIGURE 2: TAX MAP
 - FIGURE 3: WETLAND INVENTORY MAP
 - FIGURE 4: USDA/NRCS SOIL SURVEY MAP
 - FIGURE 5A: RECENT AERIAL IMAGE
 - FIGURE 5B: HISTORICAL AERIAL IMAGE
 - FIGURE 6A-C: WETLAND DELINEATION MAP
- APPENDIX B: DATA FORMS
- APPENDIX C: GROUND LEVEL PHOTOGRAPHS
- APPENDIX D: 1952-1985 HISTORICAL AERIAL PHOTOGRAPHS
- APPENDIX E: ASHLAND LWI
- APPENDIX F: LITERATURE CITATIONS

(A) Landscape Setting and Land Use

Schott & Associates (S&A) was contracted to conduct wetland delineation on the 60.16-acre study site located north of Siskiyou Boulevard (Pacific Highway 99) in Ashland, Jackson County, Oregon (T39S, R1E, Section 14AC, Tax Lot 900 and 1700, Section 14D Tax Lots 800, 900, 1000, 1100, 1301 and portion of ROW; Figures 1 and 2). The purpose of this study was to document the presence and extent of existing onsite wetlands and other waters that may be regulated under the Clean Water Act (CWA) by the U.S. Army Corps of Engineers (Corps) and under the Removal-Fill Law by the Oregon Department of State Lands (DSL). This report complies with all standards and requirements set forth in Oregon Administrative Rules (OAR) 141-090-0035 (1-17) for wetland delineation reports and jurisdictional determinations for the purpose of regulating fill and removal within waters of the state. This report will be used to fulfill federal and state regulatory requirements for project permitting.

The study site encompassed the former Croman Mill site which supported sawmill operations from 1934-1996. The site was heavily disturbed with various large fill piles of old mill debris. The site featured a few man-made ponds and ditches in the mid to northern portion of the site. Vegetation consisted of a sparse mix of weedy grasses and forbs recolonizing the graded site as well as areas of dense Himalayan blackberry (*Rubus armeniacus*).

A small pond with inlet/outlet drainages was located in the southeast portion of the site. The pond was predominantly open water with cattail (*Typha latifolia*) fringe, while the ditches were dominated by a mix of cattail and soft rush (*Juncus effusus*). Golf Creek crosses the property at the southeast corner of TL800.

The site is within the specially designated Croman District (CM) and is being designed for mixed use development including commercial, employment, light industrial, and residential uses.

(B) Site Alterations

According to the City of Ashland, the Croman Mill site consists of a former sawmill in operation from 1934, closing in 1996. In 1987 DEQ identified wood treating chemicals in shallow soil onsite and in 1989 oversaw removal of four underground storage tanks and nearly 12,000cy of contaminated soil. In 2010, the city adopted the Croman Mill District Plan to guide future development of the site and design commenced in 2021. Demolition of mill buildings began in 2011 and continues to the present day, consisting of removal of equipment and excavation, sorting, and removal of debris. More recently additional soil sampling, overseen by DEQ, identified contamination and remediation/soil removal is underway.

Historical aerials were obtained from the University of Oregon for the years 1952, 1967, 1976 and 1985 (Appendix D). Aerial photographs for the time period between 1994 and 2021, available from Google Earth, were also reviewed to assess site history as described below.

- 1952: The site is operational as a sawmill with a few potential ditch connections observed in the middle of the site and a large pond in the northern portion of the site. The present-day pond (Pond 3; Figure 6) in the southeast corner of the site appears as more of a wetland drainage.
- 1967: Site conditions are similar to 1952. Ponds 1, 2 and 4 do not appear to be present. Pond 3 evident in the aerial.
- 1976: The site is still heavily used as a sawmill with associated buildings. Drainages/ditches present in earlier photographs are largely removed. Only Pond 3 is evident.
- 1985: A pond is evident in the northern portion of the site, but otherwise, the project area is largely developed and operating as a sawmill.
- 1994 (Google Earth; Figure 5b): The mill appears operational; Pond 3 as well as mapped Wetland 3 and Ditch 2 are evident. Per personal correspondence with site managers, Ditch 2 was installed to intersect any overland flow to the south.
- 1999/2000: Mill activity has ceased, and the site is significantly cleared out, with Pond 3 and associated wetland drainages still evident in the southeast corner of the site. A small pond (Pond 2) is visible in the north part of the site. Per personal correspondence, Pond 2, in the northern portion of the site is a circulating pond historically used to wet logs on a concrete pad to the south. The concrete pad has drains that circulate the water back to the pond to be used again for wetting the logs.
 - North/south linear features (Wetland 2) were historical features installed to help facilitate surface water flow. The linear features flow back north into Pond 2 and are again circulated throughout the site. These features are visible on current aerial photograph (Figure 5a) and were identified during the 2024 site visit.
- A series of underground pipes are present throughout the site for watering the logs associated with the historical sawmill. As part of the DEQ cleanup, these features have slowly been and continue to be removed.
- A feature in the location of Ditch 1 along the north boundary is evident in all aeriels and appears more defined until grading work was conducted onsite in 2014.
- Pond 4 is not easily evident in any aerial photographs. This appears to have formed in the location of a building that has since been removed.

Prior to the mill use, the property and surrounding area, were used for agricultural purposes. According to the owners, all water features onsite were created in the 1930s as part of mill operations.

(C) Precipitation Data and Analysis

Precipitation data for the date of fieldwork and the time period preceding it were reviewed to evaluate observed wetland hydrology conditions relative to actual and statistically normal precipitation. Precipitation that deviates from normal ranges can affect site conditions and impact observed wetland hydrology indicators. Precipitation

data were acquired from the Natural Resources Conservation Service (NRCS) Agricultural Applied Climate Information System (AgACIS) for the Ashland station to provide context for observed hydrological conditions of the study area at the time of the site visit (AgACIS 2023-2024). Tables 1 and 2 provide the precipitation data, comparison to the normal water year average, as well as normal monthly ranges of precipitation representing 70% probability as reported for the Ashland NRCS WETS station (NRCS 1991-2021).

Table 1. Precipitation Summary for the Date of Fieldwork and Preceding Water Year (October 1, 2023 – Date of Fieldwork)

Date of Field Visit	Observed Precipitation*				
	Date of Visit (in.)	2 weeks to-Date (in.)	Water Year to-Date (in.)	Normal Water Year (in.)	% of Normal Water Year
March 18, 2024	0.00	0.77	11.28	13.60 ¹	83%
May 9, 2024	0.00	1.52	14.31	15.53 ²	92%

*Data provided by NRCS AgACIS data from the Ashland Station, OR, 2023-2024

¹ Average through entire month of March.

² Average through month of April.

Table 2. Precipitation Assessment for The Three Months Preceding March Fieldwork

Month	Total Precipitation (inches) ¹	WETS Normal Range (inches) ²	Condition (Value)	Month Weight	Weighted Condition (value*weight) ³
February	1.30	1.11-2.47	Normal (2)	3	6
January	3.63	1.50-2.80	Wet (3)	2	6
December	2.36	1.88-4.00	Normal (2)	1	2
Sum					14 (Normal)

Table 3. Precipitation Assessment for The Three Months Preceding May Fieldwork

Month	Total Precipitation (inches) ¹	WETS Normal Range (inches) ²	Condition (Value)	Month Weight	Weighted Condition (value*weight) ³
April	1.12	1.31-2.30	Dry (1)	3	3
March	2.15	1.39-2.37	Normal (2)	2	6
February	1.30	1.11-2.47	Normal (2)	1	2
Sum					10 (Normal)

¹Data provided by NRCS AgACIS data from Ashland, OR, 2023-2024

²Data provided by NRCS WETS station Ashland, OR, 1991-2021

³Sum = 6-9: Dry conditions, Sum = 10-14: normal conditions, Sum = 15-18: wet conditions

Fieldwork took place on March 18, 2024, when no precipitation was observed. In the two weeks preceding fieldwork, 0.77 inches of precipitation was observed. Precipitation

observed in the month of February and December was within the WETS normal range, precipitation in January was above the WETS normal range. Precipitation for the water year (October 1, 2023-March 18, 2024) was observed at 83% of normal (11.28 inches) through the entire month of March. Another site visit was conducted on May 9, 2024. No precipitation was recorded on that day. In the two weeks preceding fieldwork 1.52 inches of precipitation were recorded. Precipitation in the months of February and March was normal according to the WETS table. Precipitation in April was below normal range.

Based on a weighted summary of weather conditions in the three months preceding fieldwork, hydrological conditions were estimated to be normal during the time of both fieldwork dates.

(D) Site Specific Methods

Prior to visiting the site, the following existing data and information was reviewed:

- Jackson County tax map (Figure 2)
- U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI), Oregon Department of Forestry (ODF) stream mapping (Figure 3)
- Ashland Local Wetland Inventory (LWI; Appendix E)
- U.S. Department of Agriculture (USDA) National Resource Conservation Service (NRCS) gridded Soil Survey Geographic (gSSURGO) database for Jackson County (Figure 4)
- Recent and historical aerial photographs provided by Google Earth, University of Oregon (Figures 5a-5b; Appendix D)
- Department of Oregon Geology and Mineral Industries (DOGAMI) LiDAR data (Figure 6)

According to the USDA NRCS soil survey for Jackson County, Kubli loam, 3 to 7% slopes (3% hydric inclusions) was mapped over almost the entire site. A small area on the southwest margin was mapped as Shefflein loam, 2 to 7% slopes (4% hydric inclusions).

Schott & Associates visited the site on March 18, 2024 and again on May 3rd and May 9th, 2024 to collect additional information. Data were collected according to methods described in the *Corps Wetland Delineation Manual* (Environmental Laboratory 1987) and the *Regional Supplement to the Corps of Engineers Delineation Manual: Western Mountains, Valleys, and Coast (Version 2)* (Environmental Laboratory 2010). Twenty-nine (29) sample plots were established throughout the site to locate the boundaries of wetlands. For each sample plot, data on vegetation, hydrology, and soils were collected, recorded in the field, and later transferred to data forms (Appendix B). Plant indicator status was determined using the 2020 National Wetland Plant List (Corps 2020). Pond 2 was not accessible and was delineated based on aerial photography and elevation contours. Outside of Pond 2, all remaining ponds, ditches, and drainages were delineated via the ordinary high-water mark (OHWM) as indicated by top of bank, wrack or scour lines, or change in vegetation communities.

All identified wetlands and waters were classified according to the USFWS *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979) and the *Guidebook for Hydrogeomorphic (HGM)-based Assessment of Oregon Wetland and Riparian Sites* (DSL 2001).

Representative ground level photographs were recorded to document site conditions (Appendix C; Figure 6).

(E) Description of All Wetlands and Other Non-Wetland Waters

Based on soils, vegetation, hydrology, and OHWM indicators, four wetlands, four ponds, two ditches, and one drainage were mapped onsite. Wetland, stream, pond, ditch, sample plot, and photo point locations are shown in Figures 6a-c.

Excavated Pond 1 (0.005-acre; PUBCx): Pond 1 was located in the northern portion of the site. This feature was small with near vertical embankments estimated to be 3 feet deep. The pond was characterized by open water with no vegetation and the top of bank was mapped (Photo Point 2). This feature was classified as a depressional closed, permanent (DCP) HGM class and an excavated, seasonally flooded, palustrine unconsolidated bottom (PUBCx) Cowardin class.

Excavated Pond 2 (0.32-acre; PUBHx): No access to this pond was available as it was heavily surrounded by thick Himalayan blackberry (Photo Point 6). The feature was digitized based on aerial photography and elevation contours. Pond 2 was a man-made circulating pond designed to keep water on the logs as part of the sawmill operations. To the southwest there is a big cement/asphalt pad with drainage catch basins. These basins would catch water and direct it to Pond 2. During the winter months, the pond would fill and leach out through pipes that are installed underground throughout the site (personal correspondence). These pipes are all being removed/cleaned up as part of the DEQ required cleanup. Pond 2 was classified as a depressional HGM class and an excavated, permanently flooded, palustrine unconsolidated bottom (PUBHx) Cowardin class.

Pond 3 (0.43-acre; PUBHx): Pond 3 was an historically excavated pond at the southern property boundary. Historical photographs indicate that wetlands may have previously been present in this area. The pond was largely open water with associated wetland fringe vegetated by cattail; it was classified as PUBHx. A pipe outlet or overflow was located at the toe of the berm to the north. This hydrology overflow appeared to contribute to Wetland 3 and Drainage 1 to the northeast.

Excavated Pond 4 (0.03-acre; PUBCx): Pond 4 was located in the southern half of the study site, north of Ditch 2. This feature was man-made, excavated, and appeared to be associated with the removal of a building. The pond had more than two feet of water at the deepest end, with vegetation in the water dominated by common spikerush (*Eleocharis palustris*; OBL) and some cattail (OBL). Small (<12 ft) cottonwood (*Populus balsamifera*; FACW) and willow (*Salix* sp.; FAC or wetter) were also observed. A sample plot was established in the shallow end of the pond and was dominated by hare barley (*Hordeum murinum*; FAC). Soils met the depleted matrix (F3) Corps hydric soil

indicator. Primary hydrology indicators including water table (A2) and saturation (A3) were observed. This feature was classified as a DCP HGM class and PUBCx Cowardin class.

Wetland 1 (0.003-acre; PEMEx): Wetland 1 (Photo Point 8) was a depressional feature located just below a culvert outlet in the northeast portion of the site. It is unclear where the culvert outlet originates but it drains offsite to the railroad ditch. The wetland was predominantly vegetated by cattail with approximately 1.5" of surface water (A1) at the time of the site visit. Soils met the redox dark surface (F6) hydric soil indicator. The wetland was classified as depressional HGM class and palustrine emergent seasonally flooded/saturated, excavated (PEMEx) Cowardin class. The adjacent upland was significantly higher in elevation and did not exhibit wetland indicators.

Wetland 2 (0.05-acre; PEMEx): Wetland 2 was a constructed steep banked swale between graded areas. The wetland was defined by graded slopes. The swales were constructed to catch overland flow associated with the sawmill. Any hydrology within the wetland was able to flow to the north, through a culvert and directed to the circulating Pond 2. Vegetation consisted of sparse canopy of black cottonwood with Himalayan blackberry (FAC) and rose (*Rosa* sp.) in the shrub layer. Groundcover was dominated by soft rush (FACW) or patches of cattail. Soils met the F6 hydric soil indicator or the F3 hydric soil indicator. Surface hydrology ranged from 0.5" to 2" (A1). The wetland was classified as a slope HGM class and PEMEx Cowardin class. Adjacent uplands placed on the slope embankments, were disturbed, and did not meet wetland criteria.

Wetland 3 (0.24-acre; PEME): Wetland 2 consisted of a swale extending northeast from under Pacific Highway 99 and exiting the site at the northeast corner of TL 900 as well as a fringe of wetland surrounding Pond 3. Vegetation was dominated by foxtail barley (*Hordeum jubatum*; FAC) and soft rush (*Juncus effusus*; FACW). Soils met the sandy redox (S5) or F6 hydric soil indicator and surface water (A1) and high-water table (A2) hydrology indicators were met at the time of the site visit. Vegetation adjacent to the pond was dominated by cattail, soils met the sandy gleyed matrix (S4) hydric soil indicator, and A1 hydrology indicator was met. The wetland was classified as a slope HGM class and PEME Cowardin class. Adjacent uplands did not meet wetland criteria and were largely differentiated by elevation change.

Wetland 4 (0.008-acre; PEMCx): Wetland 4 was located along the northwestern site boundary. The feature appeared to be within a private excavated irrigation lateral. The ditch extends downslope from south to north. Onsite, the ditch was predominantly covered in a blackberry thicket with a few patches of cattail, and reed canarygrass (*Phalaris arundinacea*; FACW). Soils met the F6 hydric soil indicator. No primary wetland hydrology indicators were observed at the time of the site visit. Secondary indicators included drainage patterns (B10) and geomorphic position (D2). The feature met all wetland criteria and was mapped as a wetland ditch. It is assumed this feature flows seasonally to service irrigation flow for the neighboring property to the west.

Ditch 1 (0.01 acre; 328 lf): Ditch 1 was an excavated ditch along the northern property boundary (Photo Point 2) which originated onsite and sloped gently northeast to the offsite railroad ditch. The ditch was vegetated by upland grasses and was dry at the time of the site visit. A high-water table was present at the eastern (lower) end of the ditch, but hydric soil indicators were not present. No evidence of recent flow or surface water was observed.

Ditch 2 (0.05 acre; 968 lf): Ditch 2 was an excavated feature running south and then east along TL1000. Ditch 2 was constructed from upland as part of sawmill operations to intercept overland flow from extending south. The ditch was vegetated in patches by cattail or predominantly open water/bare. At the time of the site visit two inches of surface water were present. Hydric soil indicators were not observed.

Drainage 1 (15 sq. ft.; 5lf; R2UBH): Drainage 1 was a channel flowing north along the southeast corner of TL800, identified as Golf Course Creek on some mapping sources. The western top of bank (TOB) was delineated within the study site boundary. The drainage was 4-6 (maximum) feet wide at the active channel width, with low flow, and a silty gravel substrate. Hydrology flows from the south (likely connected to Wetland 3) to the north into a 36-inch CMP culvert, conveying water under the railroad spur and outside of the survey boundary. The channel was incised and completely covered in Himalayan blackberry. No associated fringe wetlands were observed. The drainage was assessed as a riverine flow through (RFT), lower perennial, unconsolidated bottom seasonally flooded/saturated streambed (R2UBH).

A portion of the Siskiyou Blvd ROW was included in the study area boundary. The road ditch was a uniform 3' wide, U-shaped ditch. The roadside is maintained and sprayed with no vegetation. Soils did not meet hydric soil criteria and no hydrology indicators were met (SP28, Photo Points 17 and 18).

(F) Deviation from LWI or NWI

The NWI depicts an excavated, permanently flooded, palustrine, unconsolidated bottom, freshwater pond (PUBHx) aquatic habitat corresponding with Pond 3 in the southeast corner of the site. A palustrine emergent persistent, seasonally flooded (PEMIC) wetland outlets from the northern end of the pond and extends offsite, corresponding approximately with the location of mapped Wetland 3 and Drainage 1. The LWI shows a pond and the origin of Golf Creek corresponding with the location of Pond 3 and Wetland 3. An offsite, palustrine, scrub-shrub, seasonally flooded wetland (PSSC) is shown as the source of the pond according to the NWI, extending onsite from under Siskiyou Blvd. A delineation report prepared for the property across the street to the south (WD2020-0264) identified a connecting wetland which would be the hydrology source for this wetland. A culvert was observed offsite under Siskiyou Blvd.

(G) Mapping Method

Top of bank, OHWM, wetland, photo point, and sample plot locations were recorded with a handheld Trimble GPS unit capable of sub-meter accuracy following differential

correction with Pathfinder Office desktop software. These data were converted to ESRI shapefile and mapped using ArcMap 10.8.2 desktop software.

(H) Additional Information

The National Hydrography Dataset (NHD) identifies an intermittent stream corresponding approximately to Wetland 3 and the flowline source/outlet of the pond and an artificial path associated with the pond. Oregon Department of Forestry identifies this as a small sized stream without verified fish presence.

(I) Summary and Conclusions

Based on vegetation, soils, hydrology, and OHWM data, four ponds, four wetlands, one drainage, two ditches were identified onsite. Table 4 below summarizes onsite features.

Table 4. Wetland/Water Summary Table

Feature Name	Area (ac)	HGM Class	Cowardin Class
Pond 1	0.005	Depression	PUBCx
Pond 2	0.32	Depression	PUBHx
Pond 3	0.43	Depression	PUBHx
Pond 4	0.03	Depression	PUBCx
Wetland 1	0.004	Depression	PEME _x
Wetland 2	0.05	Slope	PEME _x
Wetland 3	0.24	Slope	PEME
Wetland 4	0.008	Slope	PEMC _x
	Length (LF)		
Drainage 1	5	RFT	R2UBH
Ditch 1	328		
Ditch 2	968		

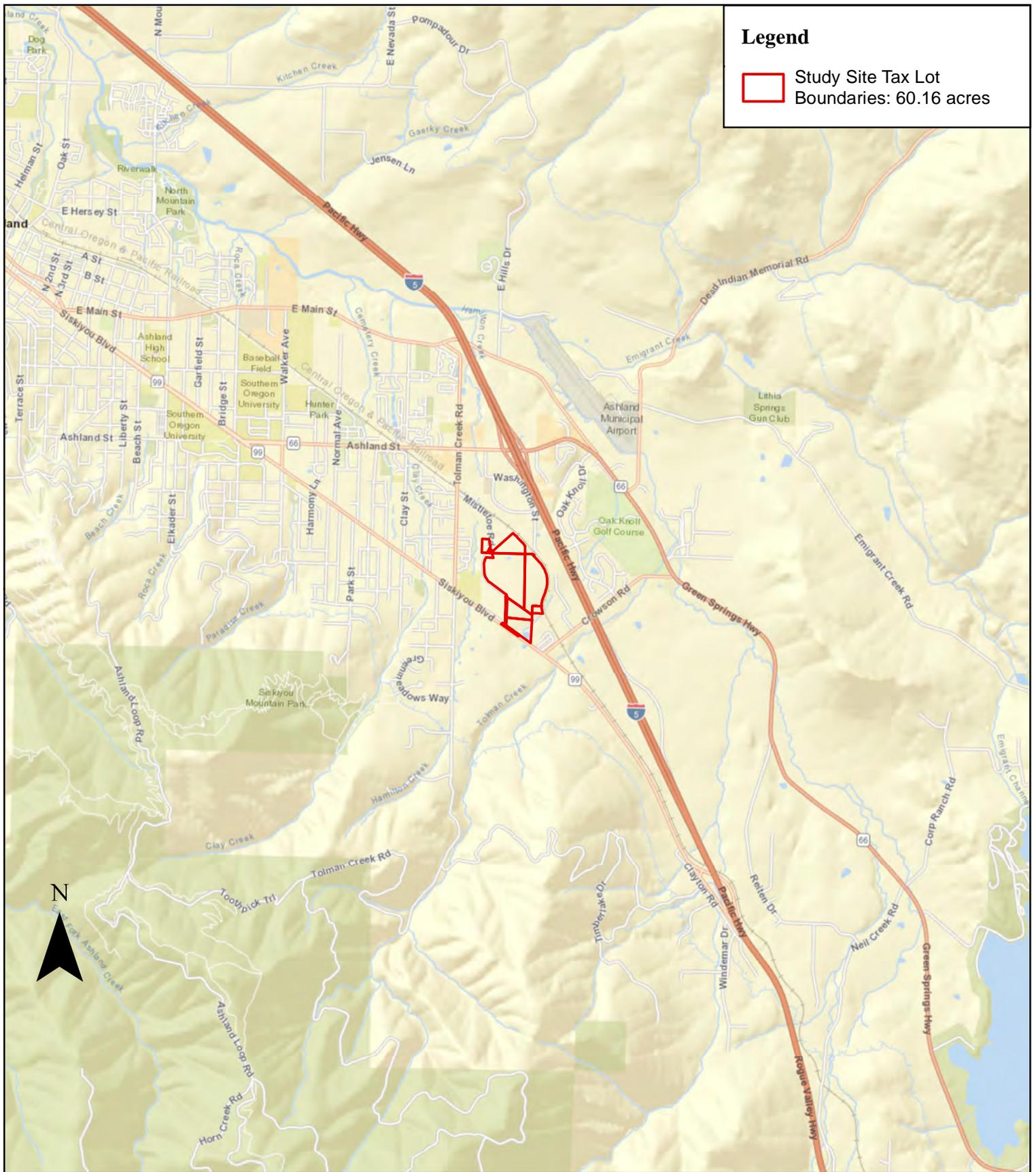
(J) Disclaimer

This report documents the investigation, best professional judgment, and conclusions of the investigators. It is correct and complete to the best of our knowledge. It should be considered a Preliminary Jurisdictional Determination of wetlands and other waters and used at your own risk unless it has been reviewed and approved in writing by the Oregon Department of State lands in accordance with OAR 141-090-0005 through 141-090-0055.

Additionally, it is preliminary determination of potential Waters of the US (WOTUS) regulated by the Corps of Engineers under the Clean Water Act. It is used at your own risk until an Approved Jurisdictional Determination (AJD) has been issued by that agency.

APPENDIX A: FIGURES

FIGURE 1: LOCATION MAP



Legend

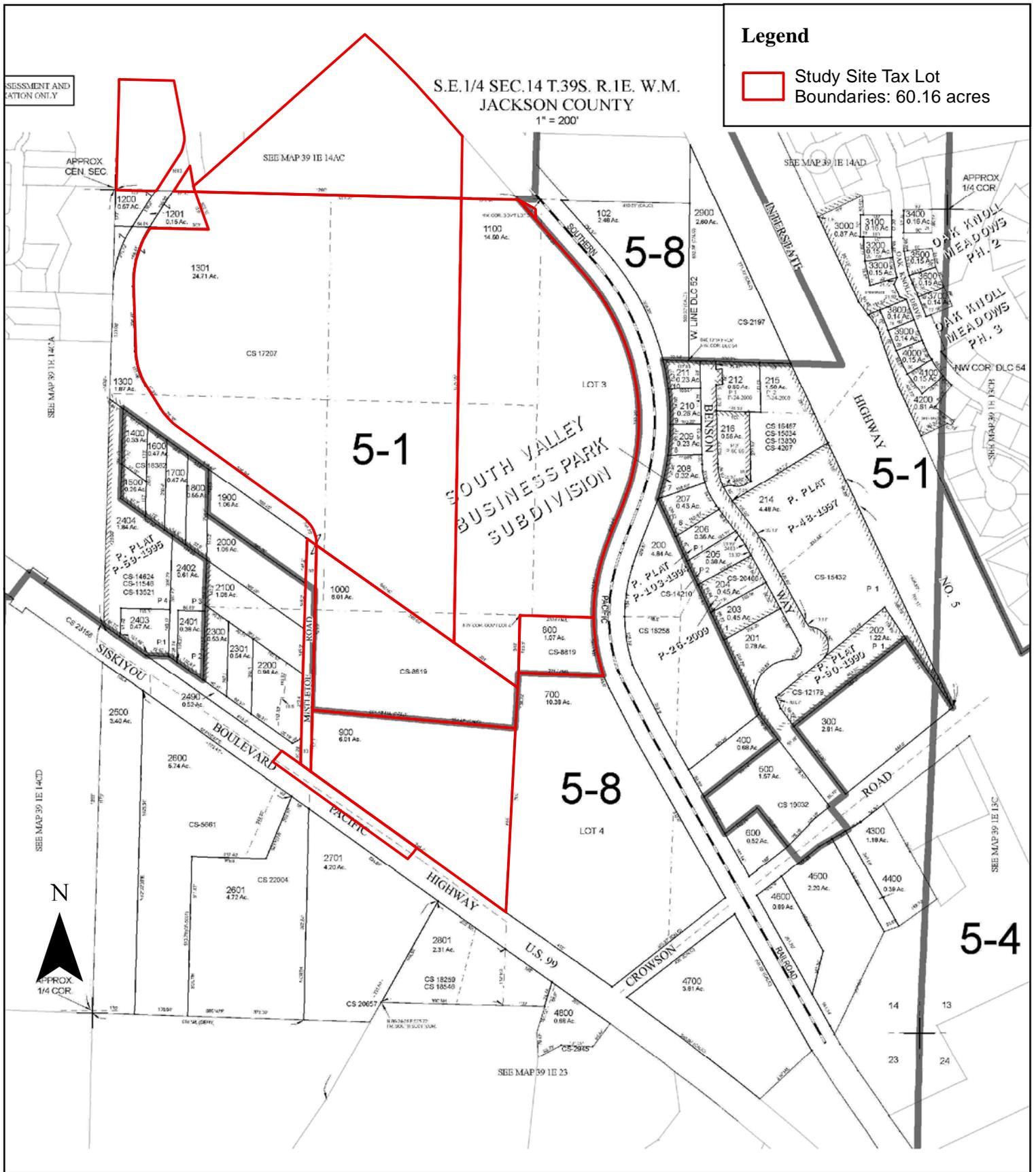
Study Site Tax Lot
Boundaries: 60.16 acres

Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024

Figure 1. Location Map

FIGURE 2: TAX MAP



Legend

Study Site Tax Lot Boundaries: 60.16 acres

Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024

Figure 2a. Tax Map - 391E14D



Croman Project Site: S&A # 3135

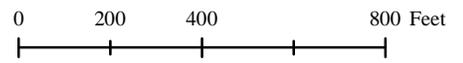
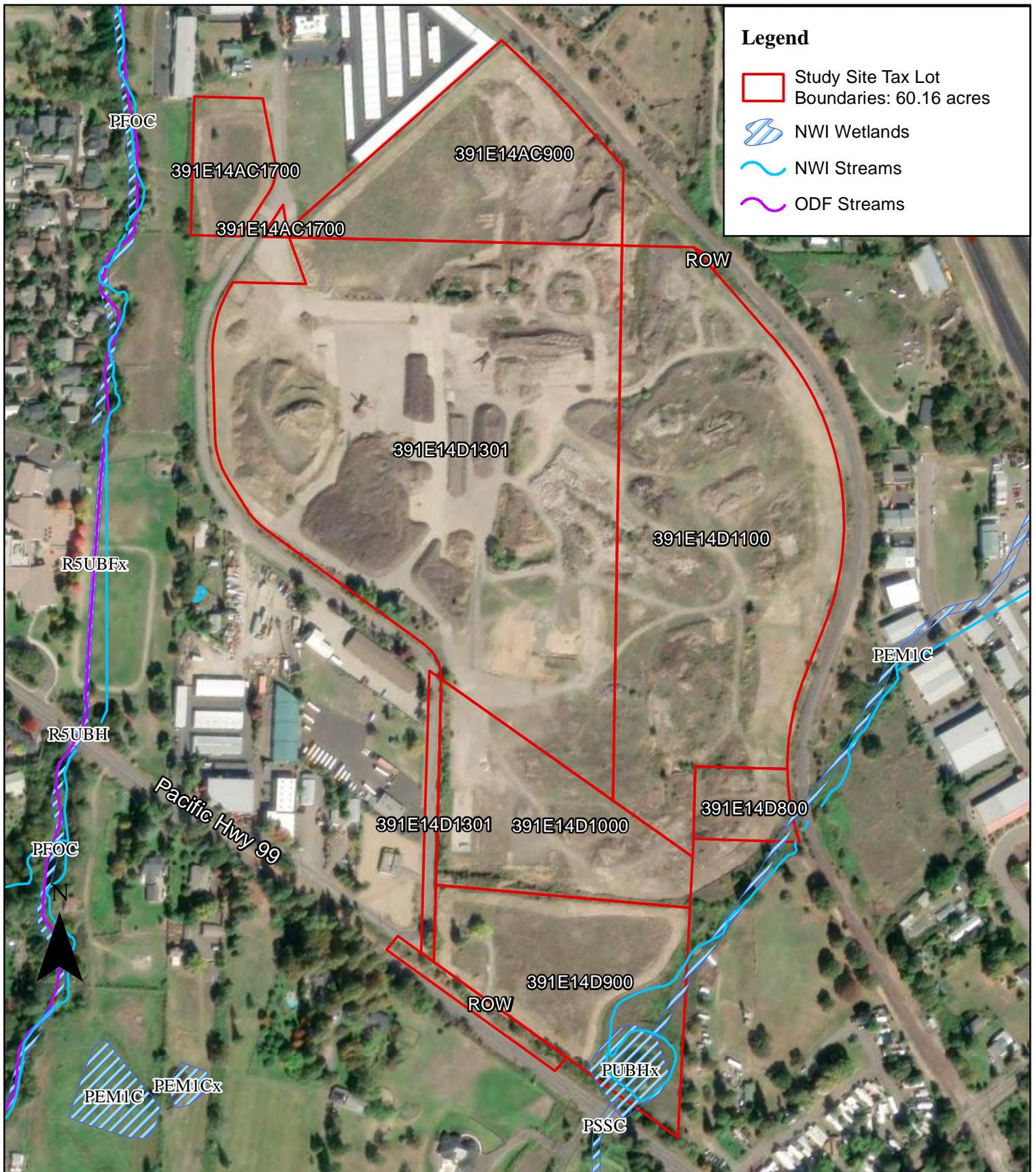


FIGURE 3: WETLAND INVENTORY MAP

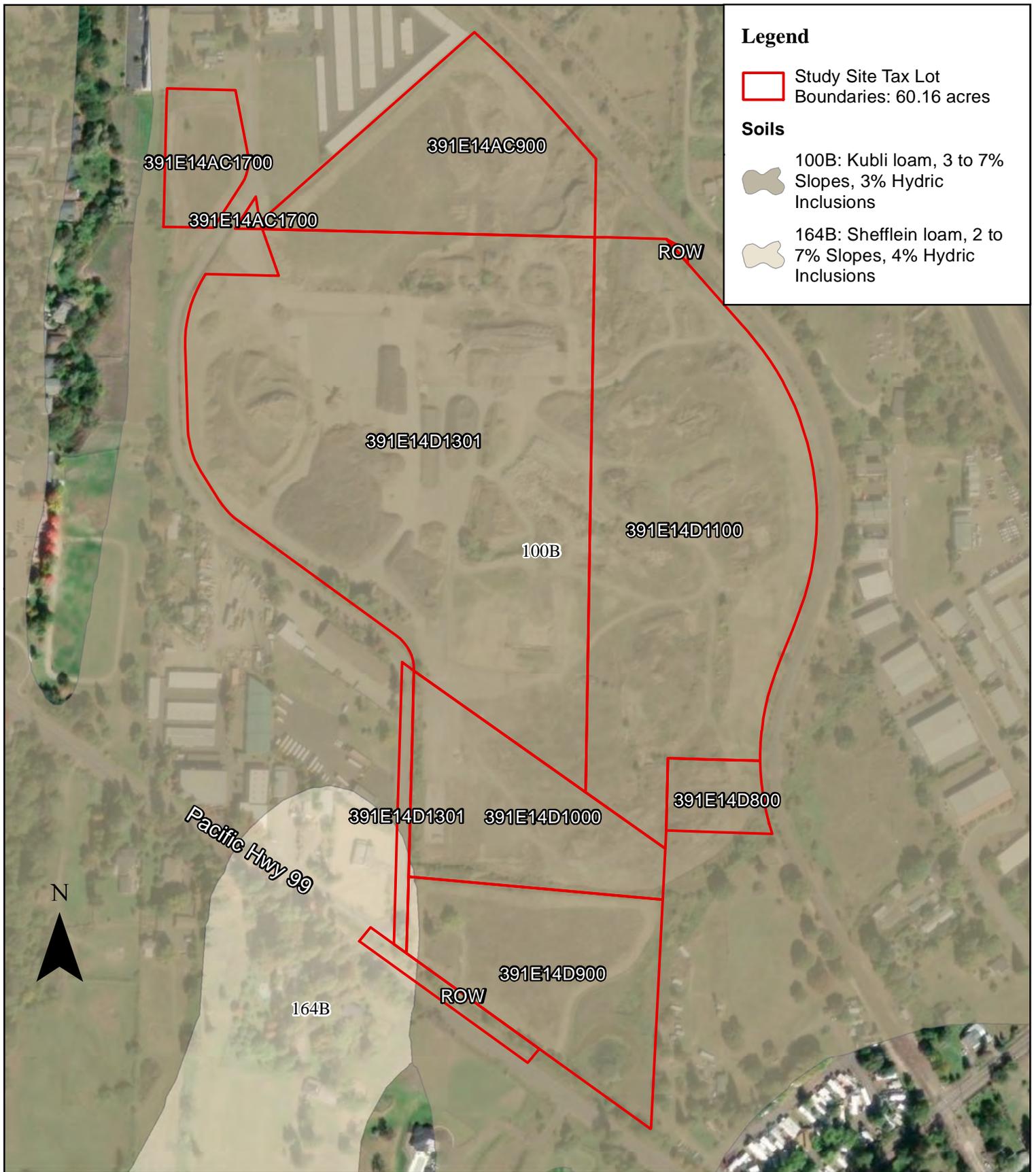


Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024; USFWS, NWI, 2024; ODF 2024; Ashland LWI, 2007

Figure 3. Wetland Inventory Map

FIGURE 4: USDA/NRCS SOIL SURVEY MAP

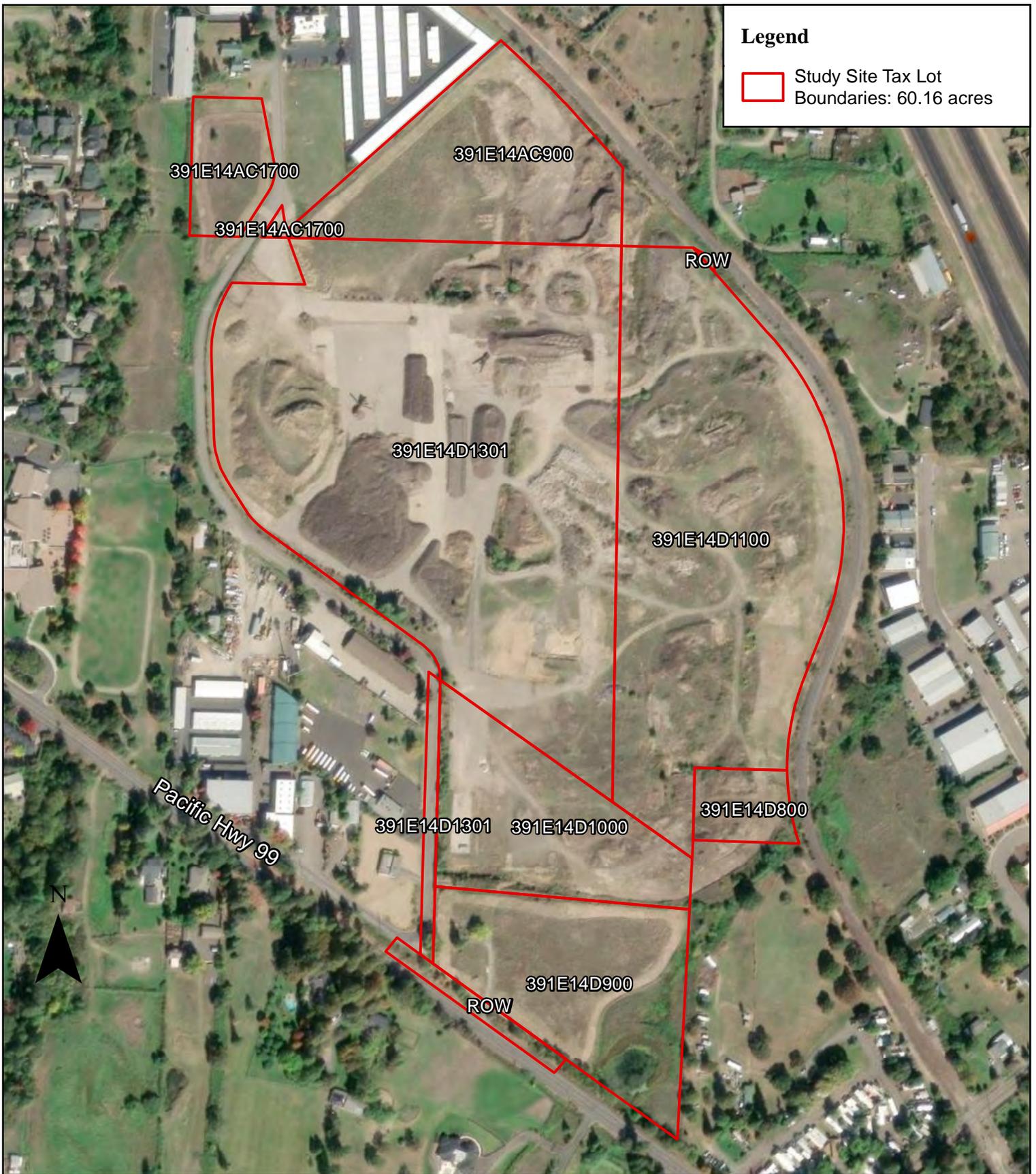


Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024; USDA, NRCS, 2024

Figure 4. Soil Survey Map

FIGURE 5A: RECENT AERIAL IMAGE

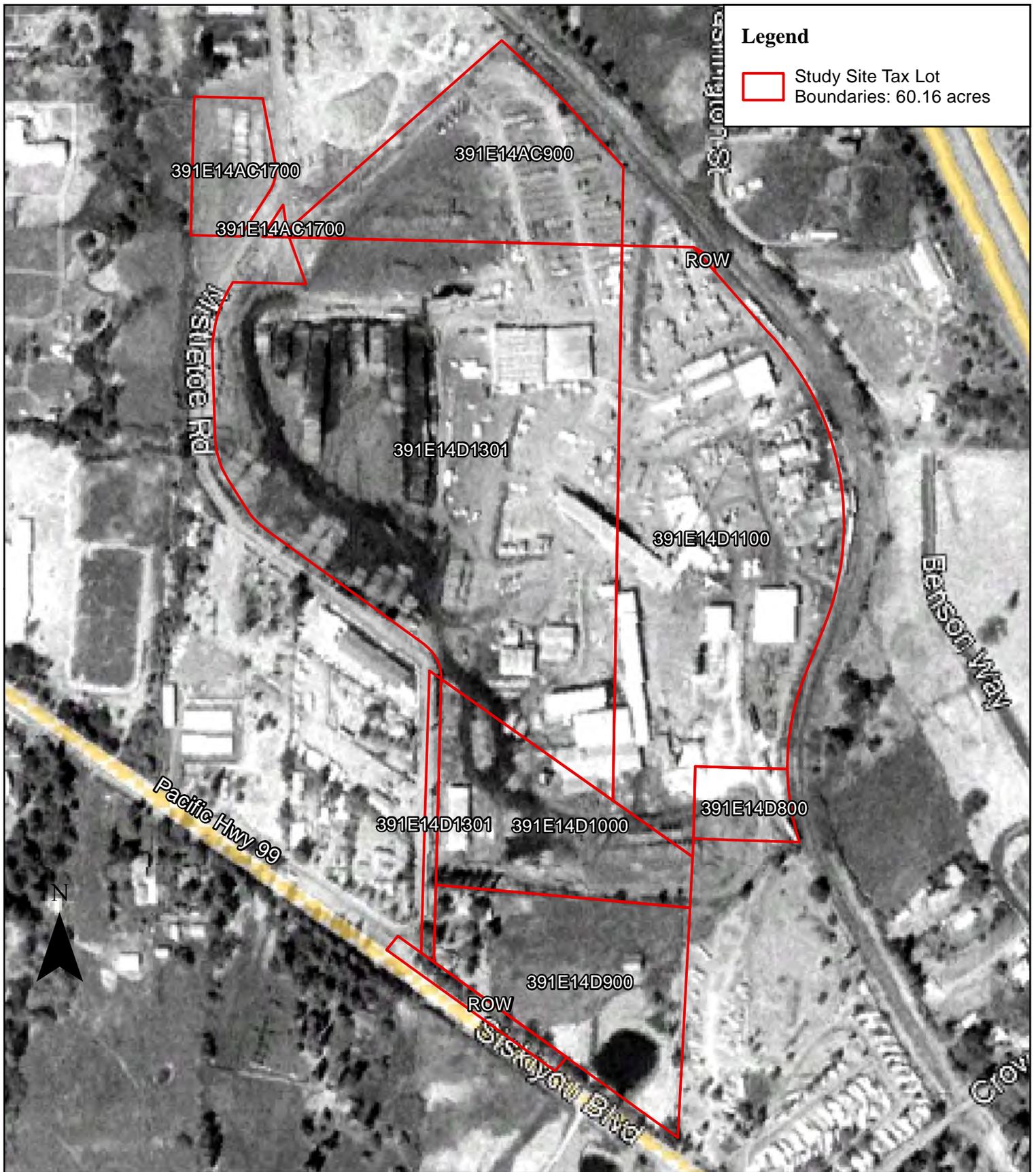


Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024

Figure 5a. Recent Aerial Imagery - October 8, 2023

FIGURE 5B: HISTORICAL AERIAL IMAGE

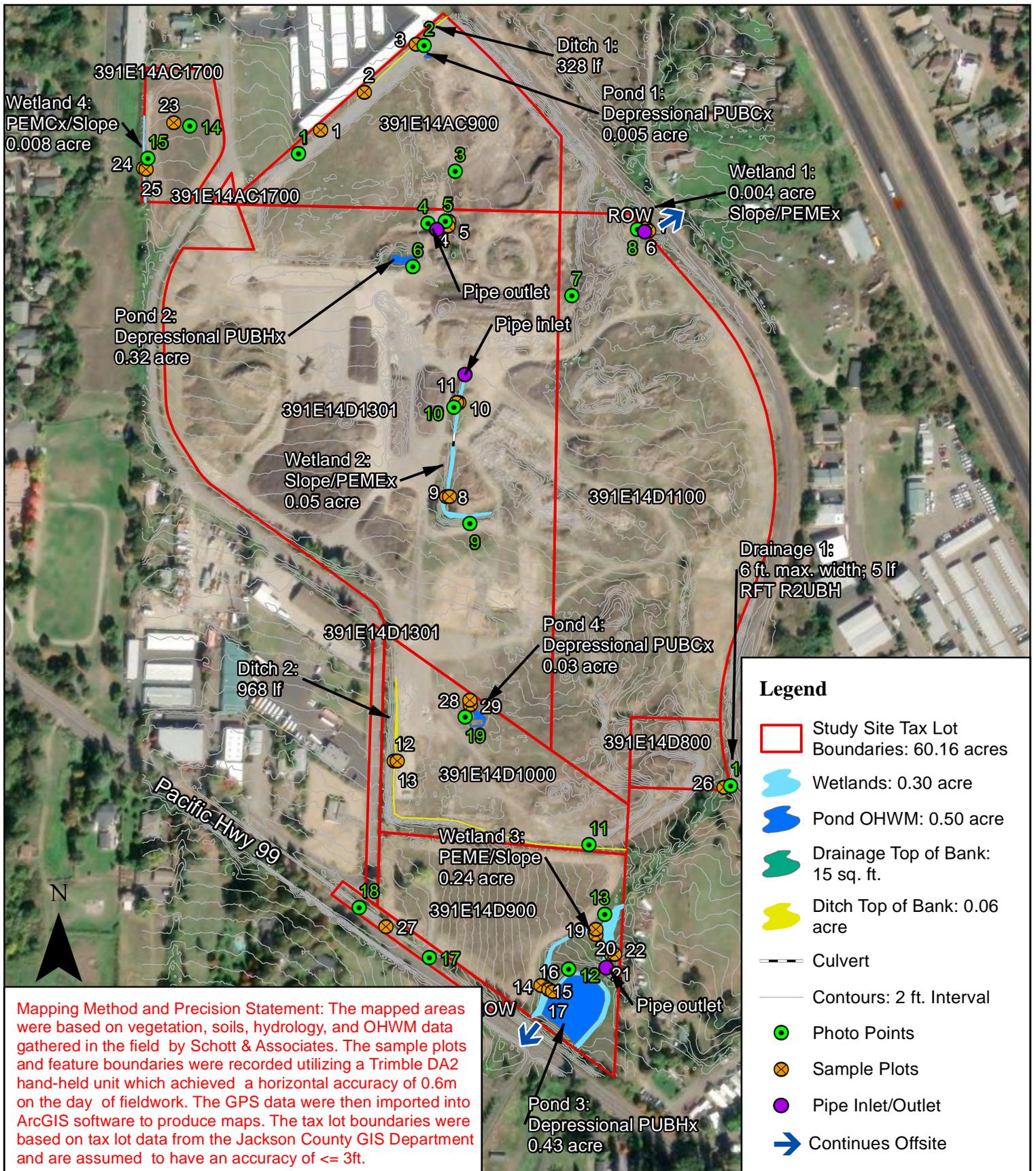


Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024

Figure 5b. Historical Aerial Imagery - August 5, 1994

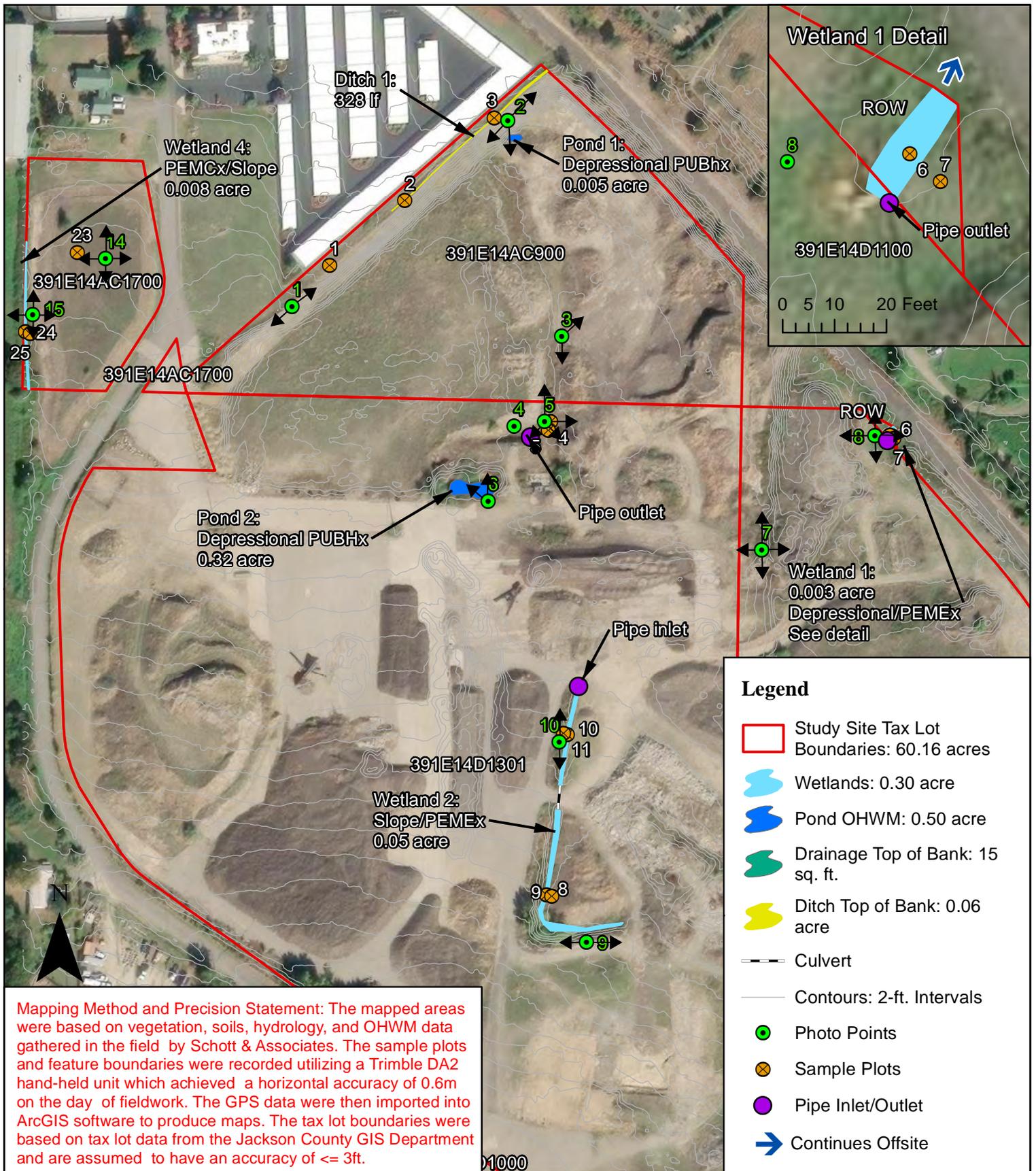
FIGURE 6A-C: WETLAND DELINEATION MAP



Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024; DOGAMI, 2009

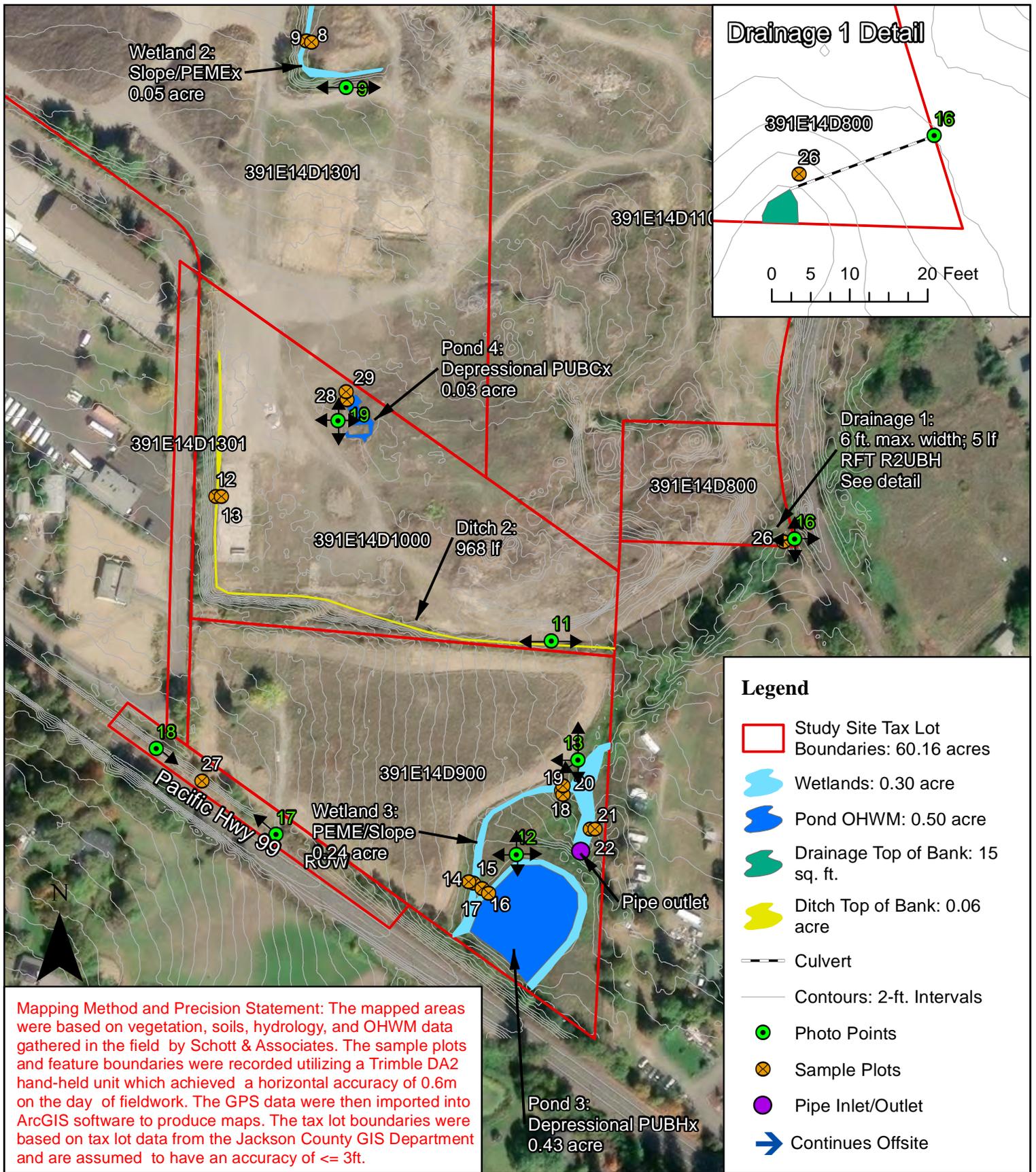
Figure 6a. Wetland Delineation Map - Overview



Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024; DOGAMI, 2009

Figure 6b. Wetland Delineation Map - North Detail



Date: 5/15/2024

Data Source: ESRI, 2024; Jackson County GIS Dept, 2024; DOGAMI, 2009

Figure 6c. Wetland Delineation Map - South Detail

APPENDIX B: DATA FORMS

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 1
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17864191 Long: -122.66729910 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Plot placed in crease along graded area.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x1 = <u>0</u> FACW species _____ x2 = <u>0</u> FAC species _____ x3 = <u>0</u> FACU species _____ x4 = <u>0</u> UPL species _____ x5 = <u>0</u> Column Totals: <u>0</u> (A) <u>0</u> (B) Prevalence Index = B/A = _____
Shrub Stratum				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Herb Stratum				
1. <u>Lolium multiflorum</u>	60	Y	NOL	
2. <u>Sisymbrium altissimum</u>	10		[FAC]□	
3. <u>Lotus corniculatus</u>	10		[FAC]□	
4. <u>Centaurea solstitialis</u>	5		NOL	
5. <u>Vicia sativa</u>	5		[UPL]□	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>90</u>				
Woody Vine Stratum				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>10</u> % Cover of Biotic Crust <u>0</u>				
Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) _____ 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)				
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Hydrophytic Vegetation Present? Yes _____ No <u>x</u>				

Remarks: Litter cover

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR3/2	60					GCL	Mixed soils
	10YR4/6	40						

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 2
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): ditch Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17892473 Long: -122.66688154 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>	
Remarks: In ditch.		

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Lolium multiflorum</u>	55	Y	NOL	Prevalence Index = B/A = _____
2. <u>Galium aparine</u>	15		FACU <input type="checkbox"/>	
3. <u>Brassica rapa</u>	15		FACU <input type="checkbox"/>	
4. <u>Taniatherum caput medusae</u>	10		NOL	
5. <u>Hordeum brachyantherum</u>	5		FACW <input type="checkbox"/>	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>100</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	2 - Dominance Test is >50%
Total Cover: <u>0</u>				3 - Prevalence Index is ≤3.0 ¹
% Bare Ground in Herb Stratum <u>0</u>	% Cover of Biotic Crust <u>0</u>			4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
Remarks:				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	2.5Y3/3	100					S	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (except MLRA 1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) (LRR A)
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (LRR A)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes x No _____ Depth (inches): 16
 Saturation Present? Yes x No _____ Depth (inches): 15
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 3
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): ditch Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17928426 Long: -122.66638508 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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?	Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland?	Yes _____ No <u>x</u>
Hydric Soil Present?	Yes _____ No <u>x</u>		
Wetland Hydrology Present?	Yes <u>x</u> No _____		
Remarks: In ditch, placed at lower end. The ditch extends northeast and into the railroad right of way.			

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: _____	<u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: _____	<u>3</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____	<u>33%</u> (A/B)
4. _____	_____	_____	_____		
Total Cover: _____	<u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:	
1. <u>Rubus armeniacus</u>	<u>5</u>	<u>Y</u>	<input type="checkbox"/> FAC <input type="checkbox"/>	Total % Cover of: _____	Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = _____	<u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = _____	<u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = _____	<u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = _____	<u>0</u>
Total Cover: _____	<u>5</u>			UPL species _____ x5 = _____	<u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)	Prevalence Index = B/A = _____
1. <u>Lolium multiflorum</u>	<u>10</u>	_____	<u>NOL</u>	Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) _____ 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)	
2. <u>Bromus inermis</u>	<u>35</u>	<u>Y</u>	<input type="checkbox"/> UPL <input type="checkbox"/>		
3. <u>Brassica rapa</u>	<u>20</u>	<u>Y</u>	<input type="checkbox"/> FACU <input type="checkbox"/>		
4. <u>Vicia sativa</u>	<u>5</u>	_____	<input type="checkbox"/> UPL <input type="checkbox"/>		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
Total Cover: _____	<u>70</u>				
Woody Vine Stratum				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>	
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
Total Cover: _____	<u>0</u>				
% Bare Ground in Herb Stratum <u>25</u>	% Cover of Biotic Crust <u>0</u>				

Remarks: Litter

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR3/2	100					GSL	
8-10	10YR3/2	100					S	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____ Refusal _____
 Depth (inches): _____ 10 _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes x No _____ Depth (inches): 6
 Saturation Present? Yes x No _____ Depth (inches): 5
 (includes capillary fringe)

Wetland Hydrology Present? Yes x No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 4
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17800539 Long: -122.66602256 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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?	Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland?	Yes _____ No <u>x</u>
Hydric Soil Present?	Yes _____ No <u>x</u>		
Wetland Hydrology Present?	Yes _____ No <u>x</u>		
Remarks: Plot is paired upland plot in an area that is leaking water.			

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Bromus sp.</u>	40	Y	FACU	Prevalence Index = B/A = _____
2. <u>Cynosurus cristatus</u>	15		FACU <input type="checkbox"/>	Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) _____ 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)
3. <u>Alopecurus pratensis</u>	5		FAC <input type="checkbox"/>	
4. <u>Centaurea solstitialis</u>	20	Y	NOL	
5. <u>Vicia sativa</u>	20	Y	UPL <input type="checkbox"/>	
6. <u>Cichorium intybus</u>	5		FACU <input type="checkbox"/>	
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
Total Cover: <u>105</u>				
Woody Vine Stratum				
1. _____				
2. _____				
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>0</u>	% Cover of Biotic Crust <u>0</u>			Hydrophytic Vegetation Present? Yes _____ No <u>x</u>

Remarks: Bromus assumed FACU

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	10YR3/2	100					SL	
3-13	10YR2/2	100					GS	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 5
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Slope/ditch Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17796927 Long: -122.66603163 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>x</u> No _____ Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Plot placed in a wet/saturated area. Water source is a leaking pipe allowing water to flow through the flat terraced area, then to the north and northeast toward the railroad right of way.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Juncus effusus</u>	<u>25</u>	<u>Y</u>	<input type="checkbox"/> FACW <input type="checkbox"/>	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Carex obnupta</u>	<u>15</u>	<u>Y</u>	<input type="checkbox"/> OBL <input type="checkbox"/>	
3. <u>Polypogon monspeliensis</u>	<u>15</u>	<u>Y</u>	<input type="checkbox"/> FACW <input type="checkbox"/>	
4. <u>Typha latifolia</u>	<u>5</u>		<input type="checkbox"/> OBL <input type="checkbox"/>	
5. <u>Rumex crispus</u>	<u>1</u>		<input type="checkbox"/> FAC <input type="checkbox"/>	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>61</u>				Prevalence Index = B/A = _____
Woody Vine Stratum				Hydrophytic Vegetation Present? Yes <u>x</u> No _____
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>0</u>		% Cover of Biotic Crust <u>0</u>		

Remarks: 40% open water

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	2.5Y3/3	100					S	
4-13	2.5Y3/3	93	7.5YR3/3	7	C	M	S	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes x No _____ Depth (inches): 1/2"
 Water table Present? Yes x No _____ Depth (inches): _____
 Saturation Present? Yes x No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes x No _____

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

Remarks: Area is historically very disturbed. A leaking pipe was supplying water to this area. Assuming the pipe can be repaired/fixed, this area would likely no longer have hydrology indicators.

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 6
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): swale/depression Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17798779 Long: -122.66409140 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>x</u> No _____
Remarks: Just below culvert outlet. It is unclear where this culvert outlet originates.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Typha latifolia</u>	<u>40</u>	<u>Y</u>	<input type="checkbox"/> OBL <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Carex obnupta</u>	<u>5</u>		<input type="checkbox"/> OBL <input type="checkbox"/>	
3. <u>Rumex crispus</u>	<u>10</u>		<input type="checkbox"/> FAC <input type="checkbox"/>	
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:
5. _____	_____	_____	_____	<u>1</u> - Rapid Test for Hydrophytic Vegetation
6. _____	_____	_____	_____	<u>X</u> <u>2</u> - Dominance Test is >50%
7. _____	_____	_____	_____	<u>3</u> - Prevalence Index is ≤3.0 ¹
8. _____	_____	_____	_____	<u>4</u> - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
9. _____	_____	_____	_____	<u>5</u> - Wetland Non-Vascular Plants ¹
10. _____	_____	_____	_____	Problematic Hydrophytic Vegetation ¹ (Explain)
11. _____	_____	_____	_____	
Total Cover: <u>55</u>				
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>0</u>		% Cover of Biotic Crust <u>0</u>		Hydrophytic Vegetation Present? Yes <u>x</u> No _____

Remarks: 45% open water

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-9	10YR3/2	80	10YR3/4	20	C	M	GS	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (except MLRA 1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) (LRR A)
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (LRR A)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No _____ Depth (inches): 1.5"
 Water table Present? Yes No _____ Depth (inches): _____
 Saturation Present? Yes No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks: Drains to railroad ditch offsite.

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 7
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17797372 Long: -122.66406898 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks:	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. <u>Rubus armeniacus</u>	<u>45</u>	<u>Y</u>	<u>[FAC]</u>	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>45</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Brassica rapa</u>	<u>15</u>	<u>Y</u>	<u>[FACU]</u>	Prevalence Index = B/A = _____
2. <u>Lepidium sp.</u>	<u>5</u>	<u>Y</u>	<u>FACU</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>20</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover: <u>0</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum <u>35</u>	% Cover of Biotic Crust <u>0</u>			Hydrophytic Vegetation Present? Yes _____ No <u>x</u>

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-13	10YR3/2	100					GSL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 8
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): excavated swale/ditch Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17600543 Long: -122.66597360 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>x</u> No _____
Remarks: Plot placed in a deep defined swale. Surrounding topography is 10' or more higher than the bottom of this features. Side banks are very sloped/steep and dominated by blackberry.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. <u>Rosa sp.</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>10</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>juncus effusus</u>	<u>75</u>	<u>Y</u>	<u>FACW</u> <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Euthamia graminifolia</u>	<u>5</u>		<u>FAC</u> <input type="checkbox"/>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>80</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	<u>X</u> 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover: <u>0</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust <u>0</u>				Hydrophytic Vegetation Present? Yes <u>x</u> No _____

Remarks: 10% Open Water

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	2.5Y4/2	98	10YR3/4	2	C	M	LS	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (except MLRA 1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) (LRR A)
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (LRR A)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No _____ Depth (inches): 2"
 Water table Present? Yes No _____ Depth (inches): _____
 Saturation Present? Yes No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 9
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Slope Local relief (concave, convex, none): Concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17600131 Long: -122.66594337 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>	
Remarks:		

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: _____ (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Bromus arvensis</u>	<u>80</u>	<u>Y</u>	<input type="checkbox"/> UPL <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Trifolium repens</u>	<u>5</u>		<input type="checkbox"/> FAC <input type="checkbox"/>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>85</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	<u>X</u> 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover: <u>0</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum <u>0</u>	% Cover of Biotic Crust <u>0</u>			Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
Remarks: 15% moss				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	2.5Y3/3	100					LS	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks: Old fill

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 10
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Swale/Ditch Local relief (concave, convex, none): concave Slope (%): 0-2
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17668544 Long: -122.66588095 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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?	Yes <u>x</u> No _____	Is the Sampled Area within a Wetland?	Yes <u>x</u> No _____
Hydric Soil Present?	Yes <u>x</u> No _____		
Wetland Hydrology Present?	Yes <u>x</u> No _____		
Remarks:			

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. <u>Populus balsamifera</u>	15	Y	FAC <input type="checkbox"/>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
2. _____				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____				
Total Cover: <u>15</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. <u>Rubus armeniacus</u>	10	Y	FAC <input type="checkbox"/>	Total % Cover of: _____ Multiply by: _____
2. _____				OBL species _____ x1 = <u>0</u>
3. _____				FACW species _____ x2 = <u>0</u>
4. _____				FAC species _____ x3 = <u>0</u>
5. _____				FACU species _____ x4 = <u>0</u>
Total Cover: <u>10</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Juncus effusus</u>	10	Y	FACW <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Typha latifolia</u>	2		OBL <input type="checkbox"/>	
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
Total Cover: <u>12</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____				1 - Rapid Test for Hydrophytic Vegetation
2. _____				<u>X</u> 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover: <u>0</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum <u>85</u>	% Cover of Biotic Crust <u>0</u>			Hydrophytic Vegetation Present? Yes <u>x</u> No _____

Remarks: Litter cover

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-15	10YR2/2	95	10YR3/4	5	C	M	SSIL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No _____ Depth (inches): 0.5
 Water table Present? Yes No _____ Depth (inches): _____
 Saturation Present? Yes No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 11
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Slope Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17668945 Long: -122.66590156 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>	
Remarks:		

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. <u>Rubus armeniacus</u>	<u>30</u>	<u>Y</u>	<u>[FAC]</u>	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>30</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Taniaetherum caput-medusae</u>	<u>10</u>	<u>Y</u>	<u>NOL</u>	Prevalence Index = B/A = _____
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>10</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>90</u>		% Cover of Biotic Crust <u>0</u>		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Hydrophytic Vegetation Present?				Yes _____ No <u>x</u>
Remarks: bare ground and litter				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	10YR3/4	100					SL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 12
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Ditch Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17406938 Long: -122.66642115 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>x</u> No _____ Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Plot located at toe of cut slope in ditch.	

VEGETATION

<u>Tree Stratum</u> (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
<u>Shrub Stratum</u>				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
<u>Herb Stratum</u>				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Juncus effusus</u>	15		FACW	Prevalence Index = B/A = _____
2. <u>Typha latifolia</u>	75	Y	OBL	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>90</u>				
<u>Woody Vine Stratum</u>				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	<u>X</u> 2 - Dominance Test is >50%
Total Cover: <u>0</u>				3 - Prevalence Index is ≤3.0 ¹
% Bare Ground in Herb Stratum <u>10</u> % Cover of Biotic Crust <u>0</u>				4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
Remarks:				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Hydrophytic Vegetation Present? Yes <u>x</u> No _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2	10YR2/1	100					SSIL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____ bedrock
 Depth (inches): _____ 2

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes x No _____ Depth (inches): _____ 2
 Water table Present? Yes x No _____ Depth (inches): _____
 Saturation Present? Yes x No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes x No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 13
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17407052 Long: -122.66638910 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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?	Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland?	Yes _____ No <u>x</u>
Hydric Soil Present?	Yes _____ No <u>x</u>		
Wetland Hydrology Present?	Yes _____ No <u>x</u>		
Remarks: Gravel road			

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. <u>Rubus armeniacus</u>	<u>10</u>	<u>Y</u>	<u>FAC</u> <input type="checkbox"/>	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>10</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Bromus arvensis</u>	<u>30</u>	<u>Y</u>	<u>UPL</u> <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Sisymbrium altissimum</u>	<u>5</u>		<u>FACU</u> <input type="checkbox"/>	
3. <u>Plantago lanceolata</u>	<u>5</u>		<u>FACU</u> <input type="checkbox"/>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>40</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	_____ 1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	_____ 2 - Dominance Test is >50%
				_____ 3 - Prevalence Index is ≤3.0 ¹
				_____ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				_____ 5 - Wetland Non-Vascular Plants ¹
				_____ Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover: <u>0</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum <u>45</u>	% Cover of Biotic Crust <u>0</u>			Hydrophytic Vegetation Present? Yes _____ No <u>x</u>

Remarks: 45% gravel, 5% litter

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
							G	Gravel Road

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 14
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17246199 Long: -122.66490093 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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?	Yes <u>x</u> No _____	Is the Sampled Area within a Wetland?	Yes <u>x</u> No _____
Hydric Soil Present?	Yes <u>x</u> No _____		
Wetland Hydrology Present?	Yes <u>x</u> No _____		
Remarks: Plot placed in a swale. Receives water from spillover from pond and culvert under Hwy 99.			

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Juncus effusus</u>	<u>5</u>		FACW <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Hordeum jubatum</u>	<u>80</u>	Y	FAC <input type="checkbox"/>	
3. <u>Holcus lanatus</u>	<u>10</u>		FAC <input type="checkbox"/>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>95</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	<u>X</u> 1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover: <u>0</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum <u>5</u>		% Cover of Biotic Crust <u>0</u>		Hydrophytic Vegetation Present? Yes <u>x</u> No _____

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2	10YR3/1	100					SL	
2-11	2.5Y3/2	70	2.5Y4/2	10	D	M	S	
			10YR3/6	20	C	M	S	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No _____ Depth (inches): 1"
 Water table Present? Yes No _____ Depth (inches): _____
 Saturation Present? Yes No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 15
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): slope Local relief (concave, convex, none): convex Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17246706 Long: -122.66492749 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: PUBHx
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>	
Remarks:		

VEGETATION

	Absolute % Cover	Dominant Species?	Indicator Status?	
<u>Tree Stratum</u> (Use scientific names.)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
<u>Shrub Stratum</u>				Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x1 = <u>0</u> FACW species _____ x2 = <u>0</u> FAC species _____ x3 = <u>0</u> FACU species _____ x4 = <u>0</u> UPL species _____ x5 = <u>0</u> Column Totals: <u>0</u> (A) <u>0</u> (B) Prevalence Index = B/A = _____
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
<u>Herb Stratum</u>				Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) _____ 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Bromus diandrus</u>	85	Y	NOL	
2. <u>Sisymbrium altissimum</u>	5		[FACU]□	
3. <u>Plantago lanceolata</u>	10		[FACU]□	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>100</u>				
<u>Woody Vine Stratum</u>				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>0</u>	% Cover of Biotic Crust <u>0</u>			
Remarks:				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-7	10YR3/2	100					SiL	
7-16	10YR4/3	80	10YR3/6	20	C	M	SiL	mixed soils

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 16
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.172442 Long: -122.66485099 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: PUBHx
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: <u>On pond berm</u>	

VEGETATION

	Absolute % Cover	Dominant Species?	Indicator Status?	
Tree Stratum (Use scientific names.)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x1 = <u>0</u> FACW species _____ x2 = <u>0</u> FAC species _____ x3 = <u>0</u> FACU species _____ x4 = <u>0</u> UPL species _____ x5 = <u>0</u> Column Totals: <u>0</u> (A) <u>0</u> (B) Prevalence Index = B/A = _____
Shrub Stratum				
1. <u>Rubus armeniacus</u>	<u>25</u>	<u>Y</u>	<u>FACU</u> <input type="checkbox"/>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
Total Cover: <u>25</u>				Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) _____ 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Herb Stratum				
1. <u>Taniaetherum caput-medusae</u>	<u>80</u>	<u>Y</u>	<u>NOL</u>	
2. <u>Sisymbrium altissimum</u>	<u>5</u>	_____	<u>FACU</u> <input type="checkbox"/>	
3. <u>Daucus carota</u>	<u>10</u>	_____	<u>FACU</u> <input type="checkbox"/>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>95</u>				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
Woody Vine Stratum				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				% Bare Ground in Herb Stratum <u>0</u> % Cover of Biotic Crust <u>0</u>
Remarks: _____				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	7.5YR2.5/3	100					SiL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 17
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): depression Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17242229 Long: -122.66481310 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: PUBHx
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>x</u> No _____
Remarks: Plot placed within fringe of pond.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: _____ (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
				Column Totals: <u>0</u> (A) <u>0</u> (B)
				Prevalence Index = B/A = _____
Herb Stratum				Hydrophytic Vegetation Indicators:
1. <u>Juncus effusus</u>	<u>15</u>		<input type="checkbox"/> FACW <input type="checkbox"/>	1 - Rapid Test for Hydrophytic Vegetation
2. <u>Typha latifolia</u>	<u>70</u>		<input type="checkbox"/> OBL <input type="checkbox"/>	<u>X</u> 2 - Dominance Test is >50%
3. <u>Rumex crispus</u>	<u>5</u>		<input type="checkbox"/> FAC <input type="checkbox"/>	3 - Prevalence Index is ≤3.0 ¹
4. _____	_____	_____	_____	4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
5. _____	_____	_____	_____	5 - Wetland Non-Vascular Plants ¹
6. _____	_____	_____	_____	Problematic Hydrophytic Vegetation ¹ (Explain)
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>90</u>				
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				Hydrophytic Vegetation Present? Yes <u>x</u> No _____
% Bare Ground in Herb Stratum <u>10</u>		% Cover of Biotic Crust <u>0</u>		

Remarks: 10% Open Water

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	10YR3/2	100					Organic	
3-12	4/10GY	100					S	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (except MLRA 1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) (LRR A)
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (LRR A)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No _____ Depth (inches): 0.5
 Water table Present? Yes No _____ Depth (inches): _____
 Saturation Present? Yes No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 18
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17286546 Long: -122.66441250 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>x</u> No _____ Hydric Soil Present? Yes <u>x</u> No _____ Wetland Hydrology Present? Yes <u>x</u> No _____	Is the Sampled Area within a Wetland? Yes <u>x</u> No _____
Remarks: Plot placed in lower end of swale, extends northeast and offsite.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Hordeum jubatum</u>	<u>60</u>	<u>Y</u>	<input type="checkbox"/> FAC <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Agrostis capillaris</u>	<u>20</u>	<u>Y</u>	<input type="checkbox"/> FAC <input type="checkbox"/>	
3. <u>Rumex crispus</u>	<u>10</u>		<input type="checkbox"/> FAC <input type="checkbox"/>	Hydrophytic Vegetation Indicators:
4. <u>Plantago lanceolata</u>	<u>5</u>		<input type="checkbox"/> FACU <input type="checkbox"/>	<u>X</u> 1 - Rapid Test for Hydrophytic Vegetation
5. _____	_____	_____	_____	2 - Dominance Test is >50%
6. _____	_____	_____	_____	3 - Prevalence Index is ≤3.0 ¹
7. _____	_____	_____	_____	4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
8. _____	_____	_____	_____	5 - Wetland Non-Vascular Plants ¹
9. _____	_____	_____	_____	Problematic Hydrophytic Vegetation ¹ (Explain)
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>95</u>				
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>5</u>	% Cover of Biotic Crust <u>0</u>			Hydrophytic Vegetation Present? Yes <u>x</u> No _____

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-7	10YR2/2	100					SL	
7-16	10YR2/2	95	10YR3/4	5	C	M	SL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water table Present? Yes No Depth (inches): 10
 Saturation Present? Yes No Depth (inches): 8
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 19
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.1728477 Long: -122.66440506 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>x</u> No _____ Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks:	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Hordeum jubatum</u>	<u>60</u>	<u>Y</u>	<input type="checkbox"/> FAC <input type="checkbox"/>	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Agrostis capillaris</u>	<u>20</u>	<u>Y</u>	<input type="checkbox"/> FAC <input type="checkbox"/>	
3. <u>Rumex crispus</u>	<u>10</u>		<input type="checkbox"/> FAC <input type="checkbox"/>	
4. <u>Plantago lanceolata</u>	<u>5</u>		<input type="checkbox"/> FACU <input type="checkbox"/>	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>95</u>				Prevalence Index = B/A = _____
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <u>x</u> No _____
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>5</u> % Cover of Biotic Crust <u>0</u>				
Remarks:				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	10YR3/2	100					S	
6-16	2.5YR5/3	100					S	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 20
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17288518 Long: -122.66440708 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>	
Remarks:		

VEGETATION

	Absolute % Cover	Dominant Species?	Indicator Status?	
<u>Tree Stratum</u> (Use scientific names.)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x1 = <u>0</u> FACW species _____ x2 = <u>0</u> FAC species _____ x3 = <u>0</u> FACU species _____ x4 = <u>0</u> UPL species _____ x5 = <u>0</u> Column Totals: <u>0</u> (A) <u>0</u> (B) Prevalence Index = B/A = _____
<u>Shrub Stratum</u>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
Total Cover: <u>0</u>				Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) _____ 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)
<u>Herb Stratum</u>				
1. <u>Bromus diandrus</u>	75	Y	NOL	
2. <u>Schedonorus arundinaceus</u>	5		FAC□	
3. <u>Rumex crispus</u>	5		FAC□	
4. <u>Plantago lanceolata</u>	5		FACU□	
5. <u>Cirsium vulgare</u>	5		FACU□	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>95</u>				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
<u>Woody Vine Stratum</u>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
% Bare Ground in Herb Stratum <u>5</u> % Cover of Biotic Crust <u>0</u>				
Remarks:				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-9	10YR2/2	100					SL	
9-13	2.5Y6/3	100					LS	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 21
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): swale Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17270504 Long: -122.66424603 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: PEM1C
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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?	Yes <u>x</u> No _____	Is the Sampled Area within a Wetland?	Yes <u>x</u> No _____
Hydric Soil Present?	Yes <u>x</u> No _____		
Wetland Hydrology Present?	Yes <u>x</u> No _____		
Remarks:			

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. <u>Rubus armeniacus</u>	<u>5</u>	<u>Y</u>	<u>FAC</u> <input type="checkbox"/>	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>5</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Juncus effusus</u>	<u>100</u>	<u>Y</u>	<u>FACW</u> <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Cirsium vulgare</u>	<u>T</u>		<u>FACU</u> <input type="checkbox"/>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>100</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	<u>X</u> 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover: <u>0</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum <u>0</u>		% Cover of Biotic Crust <u>0</u>		Hydrophytic Vegetation Present? Yes <u>x</u> No _____
Remarks:				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-7	10YR2/1	100					LS	
7-11	10YR2/1	97	10YR3/3	3	C	M	LS	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (except MLRA 1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____ Refusal _____
 Depth (inches): _____ 11 _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) (LRR A)
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (LRR A)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No Depth (inches): _____
 Water table Present? Yes No _____ Depth (inches): 6"
 Saturation Present? Yes No _____ Depth (inches): 0
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 3/18/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 22
 Investigator(s): JRF, MRS Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17270545 Long: -122.66421890 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>	
Remarks:		

VEGETATION

	Absolute % Cover	Dominant Species?	Indicator Status?	
Tree Stratum (Use scientific names.)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
1. _____				
2. _____				
3. _____				
4. _____				
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x1 = <u>0</u> FACW species _____ x2 = <u>0</u> FAC species _____ x3 = <u>0</u> FACU species _____ x4 = <u>0</u> UPL species _____ x5 = <u>0</u> Column Totals: <u>0</u> (A) <u>0</u> (B) Prevalence Index = B/A = _____
1. <u>Rubus armeniacus</u>	<u>10</u>	<u>Y</u>	<u>FAC</u> <input type="checkbox"/>	
2. _____				
3. _____				
4. _____				
5. _____				
Total Cover: <u>10</u>				
Herb Stratum				Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) _____ 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Bromus diandrus</u>	<u>65</u>	<u>Y</u>	<u>NOL</u>	
2. <u>Schedonorus arundinaceus</u>	<u>5</u>		<u>FAC</u> <input type="checkbox"/>	
3. <u>Rumex crispus</u>	<u>5</u>		<u>FAC</u> <input type="checkbox"/>	
4. <u>Sisymbrium altissimum</u>	<u>5</u>		<u>FACU</u> <input type="checkbox"/>	
5. <u>Galium boreale</u>	<u>5</u>		<u>NOL</u>	
6. <u>Daucus carota</u>	<u>1</u>		<u>FACU</u> <input type="checkbox"/>	
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
Total Cover: <u>86</u>				
Woody Vine Stratum				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
1. _____				
2. _____				
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>15</u> % Cover of Biotic Crust <u>0</u>				

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	10YR3/2	100					SL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 5/3/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 23
 Investigator(s): PB Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17866977 Long: -122.66873340 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>x</u> Hydric Soil Present? Yes _____ No <u>x</u> Wetland Hydrology Present? Yes _____ No <u>x</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>x</u>
Remarks: Soil pit taken in a field that is slightly sloping south to north. SP location in slight depression.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Vulpia myuros</u>	25	Y	FACU <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Centaurea pratensis</u>	15		FACU	
3. <u>Madia elegans</u>	12		NOL	Hydrophytic Vegetation Indicators:
4. <u>Poa bulbosa</u>	10		FACU <input type="checkbox"/>	1 - Rapid Test for Hydrophytic Vegetation
5. <u>Bromus tectorum</u>	10		NOL	2 - Dominance Test is >50%
6. <u>Epilobium brachycarpum</u>	8		FAC <input type="checkbox"/>	3 - Prevalence Index is ≤3.0 ¹
7. <u>Draba verna</u>	7		NOL	4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
8. <u>Avena sativa</u>	5		UPL <input type="checkbox"/>	5 - Wetland Non-Vascular Plants ¹
9. <u>Bromus hordeaceus</u>	3		FACU <input type="checkbox"/>	Problematic Hydrophytic Vegetation ¹ (Explain)
10. <u>Cerastium glomeratum</u>	2		FACU <input type="checkbox"/>	
11. _____	_____	_____	_____	
Total Cover: <u>97</u>				
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				Hydrophytic Vegetation Present? Yes _____ No <u>x</u>
% Bare Ground in Herb Stratum <u>3</u>		% Cover of Biotic Crust <u>0</u>		

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-5	10YR 3/1	100					SiL	Decomposing wood waste
5-12	10YR 3/3	100					CL	
12-16	10YR 4/3	80	10YR 4/2	15			C	Hard to dig
			10YR 4/6	5				Decomposing sandstone

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No x

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No x

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 5/3/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 24
 Investigator(s): PB Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17833116 Long: -122.66900547 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>X</u> No _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Remarks: Soil pit taken in ditch. Ditch appears to be a private irrigation lateral/toe ditch. Flow line is south to north, no water or primary hydrology indicator observed. Upslope and outside of project area the ditch has water with water with low flow and cattails. The majority of the ditch is covered in blackberries with cattail, willow and reed canary grass in patches.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x1 = <u>0</u> FACW species _____ x2 = <u>0</u> FAC species _____ x3 = <u>0</u> FACU species _____ x4 = <u>0</u> UPL species _____ x5 = <u>0</u> Column Totals: <u>0</u> (A) <u>0</u> (B) Prevalence Index = B/A = _____
1. <u>Rubus armeniacus</u>	<u>95</u>	<u>Y</u>	<u>FAC</u> <input type="checkbox"/>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
Total Cover: <u>95</u>				
Herb Stratum				Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Juncus effusus</u>	<u>5</u>	<u>Y</u>	<u>FACW</u> <input type="checkbox"/>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>5</u>				
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				Hydrophytic Vegetation Present? Yes <u>X</u> No _____
% Bare Ground in Herb Stratum <u>95</u> % Cover of Biotic Crust <u>0</u>				

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-5	10YR 2/1	100					SCL	
5-11	10YR 3/1	90	10YR 3/6	10	C	M	SCL	
11-16+	10YR 3/3	100					SCL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)
- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

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)

Wetland Hydrology Present? Yes No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 5/3/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 25
 Investigator(s): PB Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.1783116 Long: -122.66859689 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>	
Remarks:		

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Bromus diandrus</u>	60	Y	NOL	Prevalence Index = B/A = _____
2. <u>Bromus hordeaceus</u>	10		[FAC]□	
3. <u>Lathyrus latifolius</u>	15		NOL	
4. <u>Rubus armeniacus</u>	10		[FAC]□	
5. <u>Lepidium campestre</u>	3		NOL	
6. <u>Geranium dissectum</u>	2		NOL	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>100</u>				
Woody Vine Stratum				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	2 - Dominance Test is >50%
Total Cover: <u>0</u>				3 - Prevalence Index is ≤3.0 ¹
% Bare Ground in Herb Stratum <u>0</u>		% Cover of Biotic Crust <u>0</u>		4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants ¹
				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Hydrophytic Vegetation Present? Yes _____ No <u>X</u>

Remarks: Berries are being mowed so functionally in the herbacious layer.

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	10YR 3/1	100					SL	
3-14+	10YR 3/2	100					SL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) **(except MLRA 1)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) **(LRR A)**
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) **(LRR A)**
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 5/9/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 26
 Investigator(s): PB Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17393893 Long: -122.66319008 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
Remarks: Plot placed adjacent to Golf Course Creek. No fringe wetlands.	

VEGETATION

<u>Tree Stratum</u> (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
<u>Shrub Stratum</u>				Prevalence Index Worksheet:
1. <u>Rubus armeniacus</u>	<u>100</u>	<u>Y</u>	<u>[FAC]</u>	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>100</u>				UPL species _____ x5 = <u>0</u>
<u>Herb Stratum</u>				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. _____	_____	_____	_____	Prevalence Index = B/A = _____
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:
4. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
5. _____	_____	_____	_____	<u>X</u> 2 - Dominance Test is >50%
6. _____	_____	_____	_____	3 - Prevalence Index is ≤3.0 ¹
7. _____	_____	_____	_____	4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
8. _____	_____	_____	_____	5 - Wetland Non-Vascular Plants ¹
9. _____	_____	_____	_____	Problematic Hydrophytic Vegetation ¹ (Explain)
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>0</u>				
<u>Woody Vine Stratum</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>100</u> % Cover of Biotic Crust <u>0</u>				Hydrophytic Vegetation Present? Yes <u>X</u> No _____

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	10YR 2/2	100					SL	
3-18	10YR 3/2	100					SL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (except MLRA 1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 5/9/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 27
 Investigator(s): PB Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): roadside ditch Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.17866347 Long: -122.66645674 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>	
Remarks: Three foot wide U-shaped roadside ditch. Uniform, sprayed, no vegetation.		

VEGETATION

<u>Tree Stratum</u> (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>0</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
<u>Shrub Stratum</u>				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
<u>Herb Stratum</u>				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. _____	_____	_____	_____	Prevalence Index = B/A = _____
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:
4. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
5. _____	_____	_____	_____	2 - Dominance Test is >50%
6. _____	_____	_____	_____	3 - Prevalence Index is ≤3.0 ¹
7. _____	_____	_____	_____	4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
8. _____	_____	_____	_____	5 - Wetland Non-Vascular Plants ¹
9. _____	_____	_____	_____	Problematic Hydrophytic Vegetation ¹ (Explain)
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>0</u>				
<u>Woody Vine Stratum</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>100</u>		% Cover of Biotic Crust <u>0</u>		Hydrophytic Vegetation Present? Yes _____ No <u>X</u>

Remarks:

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR 3/2	100					SiL	
8-16	7.5YR 3/3	100					SiL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) **(except MLRA 1)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) **(LRR A)**
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) **(LRR A)**
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks: No hydrology. Ditch would flow SE, and enters a pipe under the existing access driveway. No defined ditch east of driveway.

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 5/9/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 28
 Investigator(s): PB Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): concave Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.1744933 Long: -122.66569037 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes <u>X</u> No _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Remarks: Shallow pond with 2+ feet of water at the deepest end. Veg in deeper end dominated by ELPA with cattail and small (<10') cottonwood. Plot established at shallow end of pond. Pond believed to be artificially created as part of Sawmill operations.	

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Hordeum murinum</u>	70	Y	<input type="checkbox"/> FAC <input type="checkbox"/>	Prevalence Index = B/A = _____
2. <u>Rumex crispus</u>	10		<input type="checkbox"/> FAC <input type="checkbox"/>	
3. <u>Eleocharis palustris</u>	10		<input type="checkbox"/> OBL <input type="checkbox"/>	
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:
5. _____	_____	_____	_____	1 - Rapid Test for Hydrophytic Vegetation
6. _____	_____	_____	_____	<u>X</u> 2 - Dominance Test is >50%
7. _____	_____	_____	_____	3 - Prevalence Index is ≤3.0 ¹
8. _____	_____	_____	_____	4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)
9. _____	_____	_____	_____	5 - Wetland Non-Vascular Plants ¹
10. _____	_____	_____	_____	Problematic Hydrophytic Vegetation ¹ (Explain)
11. _____	_____	_____	_____	
Total Cover: <u>90</u>				
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust <u>0</u>				Hydrophytic Vegetation Present? Yes <u>X</u> No _____

Remarks: 10% Water

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	10YR 3/1	100					SCL	
4-12	10YR 4/1	70	7.5YR 4/3	30	C	M	SCL	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Muck Mineral (S1)
- Sandy gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (except MLRA 1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- 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)

- 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 Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Plowed Soils (C6)
- Stunted or Stressed Plants (D1) (LRR A)
- Other (Explain in Remarks)

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)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (LRR A)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No Depth (inches): _____
 Water table Present? Yes No _____ Depth (inches): 2"
 Saturation Present? Yes No _____ Depth (inches): Surf
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

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

Project/Site: Crowman Redevelopment Site City/County: Ashland/Jackson Sampling Date: 5/9/2024
 Applicant/Owner: Cinnabar Growth Capital Inc. State: OR Sampling Point: 29
 Investigator(s): PB Section, Township, Range: S14, T39S, R1E
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): None Slope (%): 3-7%
 Subregion (LRR): Northwest Forests and Coast (LRR A) Lat: 42.1745268 Long: -122.66569530 Datum: _____
 Soil Map Unit Name: Kubli Loam NWI Classification: none
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" Present? Yes X 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? Yes _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>	
Remarks:		

VEGETATION

Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
4. _____	_____	_____	_____	
Total Cover: <u>0</u>				
Shrub Stratum				Prevalence Index Worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x4 = <u>0</u>
Total Cover: <u>0</u>				UPL species _____ x5 = <u>0</u>
Herb Stratum				Column Totals: <u>0</u> (A) <u>0</u> (B)
1. <u>Bromus hordeaceus</u>	25	Y	[FACU] <input type="checkbox"/>	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Vicia villosa</u>	15		NOL	
3. <u>Vulpia myuros</u>	15		[FACU] <input type="checkbox"/>	
4. <u>Trifolium resupinatum</u>	10		[UPL] <input type="checkbox"/>	
5. <u>Trifolium dubium</u>	7		[FACU] <input type="checkbox"/>	
6. <u>Bromus diandrus</u>	5		NOL	
7. <u>Lupinus bicolor</u>	5		NOL	
8. <u>Hordeum murinum</u>	3		[FAC] <input type="checkbox"/>	
9. <u>Rumex crispus</u>	2		[FAC] <input type="checkbox"/>	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
Total Cover: <u>87</u>				Prevalence Index = B/A = _____
Woody Vine Stratum				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
Total Cover: <u>0</u>				
% Bare Ground in Herb Stratum <u>13</u>	% Cover of Biotic Crust <u>0</u>			Hydrophytic Vegetation Present? Yes _____ No <u>X</u>
Remarks:				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2	10YR 3/2	100					SCL	50% Gravel

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Muck Mineral (S1)
- ___ Sandy gleyed Matrix (S4)

- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) **(except MLRA 1)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____ Concrete Layer
 Depth (inches): _____ 2"

Hydric Soil Present? Yes _____ No X

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ___ 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)

- ___ 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 Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Plowed Soils (C6)
- ___ Stunted or Stressed Plants (D1) **(LRR A)**
- ___ Other (Explain in Remarks)

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)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) **(LRR A)**
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____
 Water table Present? Yes _____ No X Depth (inches): _____
 Saturation Present? Yes _____ No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks:

APPENDIX C: GROUND LEVEL PHOTOGRAPHS



Photo Point 1. Facing northeast.



Photo Point 1. Facing southeast.



Photo Point 1. Facing southwest.



Photo Point 2. Facing northeast, showing Ditch 1.



Photo Point 2. Facing southwest, showing Ditch 1.



Photo Point 2. Facing south, showing small manmade pond.



Photo Point 3. Facing northeast, showing surface water extend northeast across the site. Surface water is associated with a leaking pipe to the southwest (near PP4).



Photo Point 3. Facing south.



Photo Point 4. Showing pipe that is leaking water. Pipe associated with a water system throughout the site, associated with historic sawmill operations.



Photo Point 5. Facing southwest, toward leaking pipe.



Photo Point 5. Facing southeast.



Photo Point 5. Facing east.



Photo Point 5. Facing north.



Photo Point 6. Facing north, showing man made pond.



Photo Point 6. Facing northwest, showing man-made pond.



Photo Point 7. Facing north.



Photo Point 7. Facing east.



Photo Point 7. Facing south.



Photo Point 7. Facing west.



Photo Point 8. Facing east, showing Wetland 2.



Photo Point 8. Facing south.



Photo Point 8. Facing west.



Photo Point 8. Facing east.



Photo Point 8. Facing north.



Photo Point 9. Facing west.



Photo Point 9. Facing east.



Photo Point 10. Facing north.



Photo Point 10. Facing south.



Photo Point 11. Facing west.



Photo Point 11. Facing east.



Photo Point 12. Facing north.



Photo Point 12. Facing east.



Photo Point 12. Facing south.



Photo Point 12. Facing west.



Photo Point 13. Facing south.



Photo Point 13. Facing southwest.



Photo Point 13. Facing west.



Photo Point 13. Facing north.



Photo Point 14. Facing north.



Photo Point 14. Facing east.



Photo Point 14. Facing south.



Photo Point 14. Facing west.



Photo Point 15. Facing north.



Photo Point 15. Facing east.



Photo Point 15. Facing south.



Photo Point 15. Facing west.



Photo Point 16. Facing north.



Photo Point 16. Facing east.



Photo Point 16. Facing south.



Photo Point 16. Facing west.



Photo Point 17. Facing northwest.



Photo Point 18. Facing southeast.



Photo Point 19. Facing north.



Photo Point 19. Facing east.

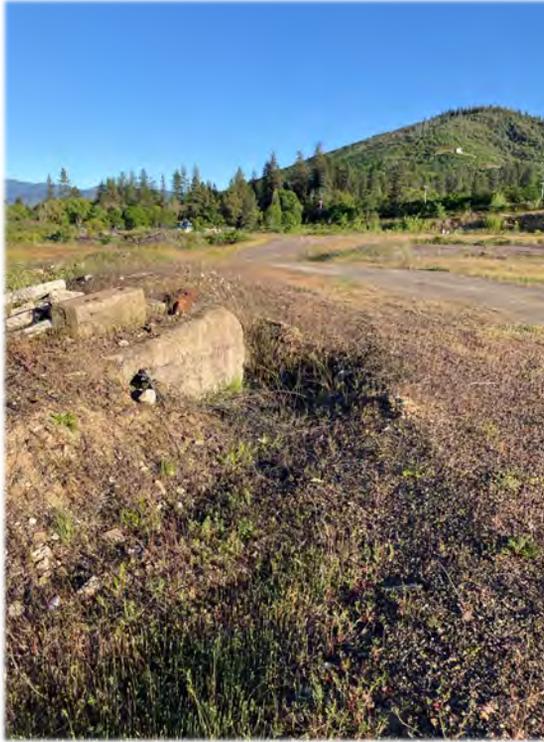


Photo Point 19. Facing south.



Photo Point 19. Facing west.

APPENDIX D: 1952-1985 HISTORICAL AERIAL PHOTOGRAPHS

1952



1967



1976



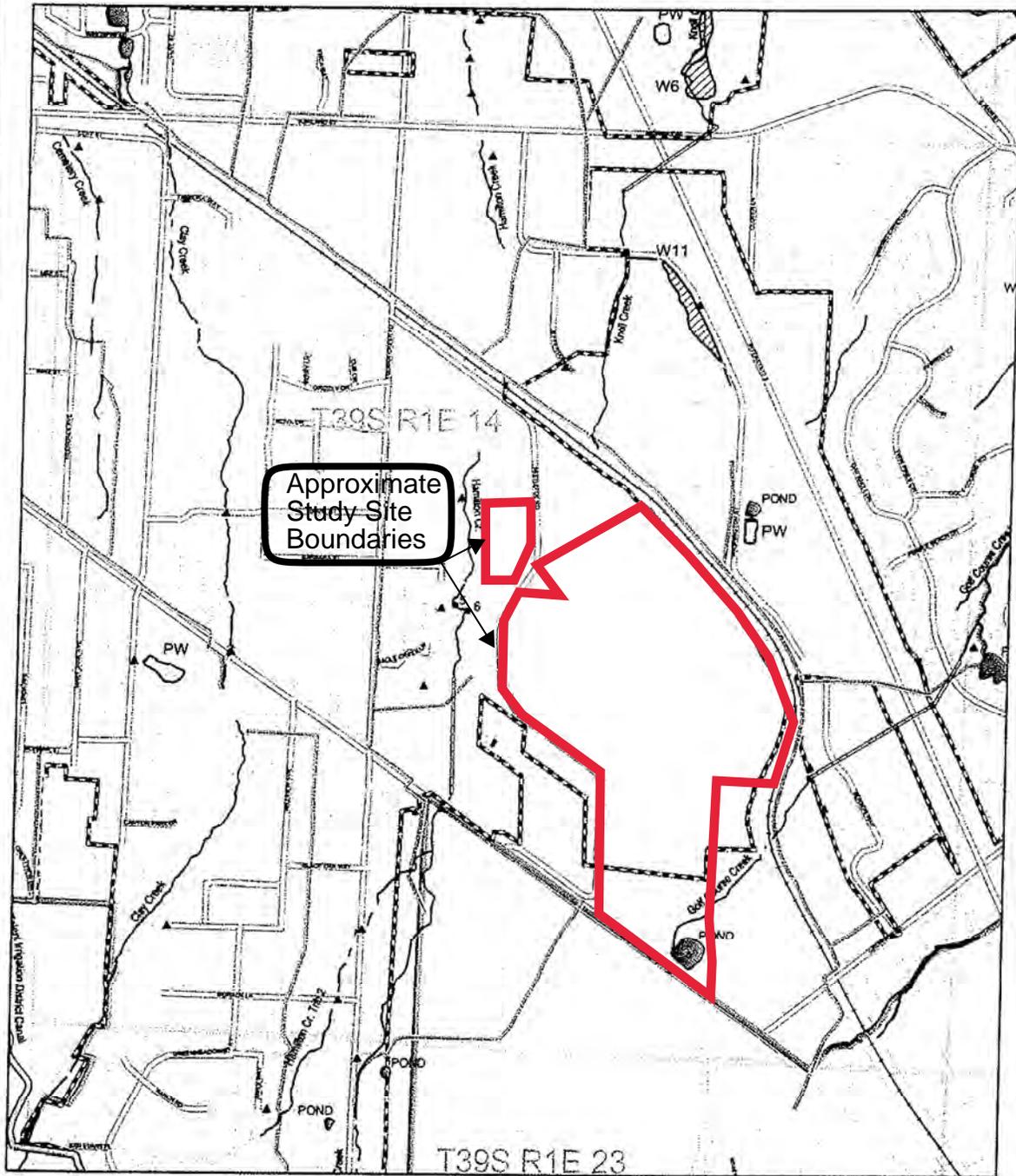
1985



APPENDIX E: ASHLAND LWI



City of Ashland
Local Wetlands Inventory
T39S R1E 14



Approximate Study Site Boundaries

Legend

- | | | | | | |
|--|---|--|-----------------------|--|--|
| | Wetlands, field verified | | Tessote | | Streams, intermittent drainages, and ditches |
| | Wetlands, not field verified | | Urban Growth Boundary | | Laterals |
| | Possible Wetlands | | City Limits | | Talent Irrigation District Canal |
| | Pond | | Sections | | Culverted Streams |
| | Riparian Corridor Safe Harbor (50 feet) | | Streets | | |
| | Sample Plot | | Railroad | | |
| | Observation Point | | | | |

Fishman
 Environmental Services
 A DIVISION OF
SWCA
 Environmental Consultants, Inc.
 www.swca.com
 4141 W. 6th Ave., Suite 204
 Portland, OR 97209-3600
 503-274-0333

Information shown on this map is for planning purposes only and wetland information is subject to change. There may be unmappped wetlands subject to regulation and all wetland boundary mapping is approximate, in all cases, actual field conditions determine wetland boundaries. You are advised to contact the Oregon Department of State Lands and the U.S. Army Corps of Engineers with any regulatory questions.

The local wetlands inventory has been prepared in accordance with OAR 141-086-0180 through 141-086-0206 and OAR 141-086-0300 through 141-086-0332 by SWCA, Inc.

Maple Creek has been prepared with City of Ashland digital orthophotos. Photos are EO format. Pixel Resolution: 1' pixel. Date of Photography: July 2001.

Projection Information:
 NAD 1983 StatePlane Oregon South FIPS 5002 Feet
 Lambert Conformal Conic
 False Easting: 402150.000000
 False Northing: 0.000000
 Central Meridian: -120.500000
 Standard Parallel 1: 42.303333
 Standard Parallel 2: 44.000000
 Latitude Of Origin: 41.888887

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 Print only 12/12/01. Prepared by R. Dulake

Study area is contained within the Bear Creek watershed

APPENDIX F: LITERATURE CITATIONS

City of Ashland

<https://www.ashland.or.us/Page.asp?NavID=18242#:~:text=The%20former%20Croman%20Mill%20site,future%20redevelopment%20of%20the%20site>

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Federal Register, 1982. Title 33, Navigation and Navigable Waters; Chapter II, Regulatory Programs of the Corps of Engineers. Vol. 47, No. 138, p. 31810, U.S. Govt. Printing Office, Columbia, D.C.

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Research and Development Center Cold Regions Research and Engineering
Laboratory, Hanover, NH