

Northern Resource Consulting, Inc.

ENVIRONMENTAL SERVICES

April 19, 2026

Lewis County Building and Planning
351 NW North Street
Chehalis, WA 98532

RE: TCI Group Site Address: 149 Mattson Road, Centralia Tax Parcel Number: 023883000000
Wetland Report Date: January 9, 2026
Subject: 3rd Party Letter of Review

Dear Lewis County Building and Planning:

This letter was prepared as a review of a Critical Areas report prepared by Becky Rieger at Environmental Design LLC. The author's credentials are provided in Appendix A, satisfying the definition of a qualified professional in LCC 17.10.170.

The subject property includes one (1) parcel totaling 28.70-acres in size at 149 Mattson Road, Centralia, WA, Tax Parcel Number: 023883000000, no wetlands were identified on the property, however Eagle Creek, a fish-bearing stream (classified by Washington DNR) bisects the property laterally. Proposed development is six residential lots.

Permitting Jurisdiction is Lewis County.

On behalf of Becky Rieger of Environmental Design, LLC, I have reviewed her Critical Area report dated 8 January 2026 for the above project. I conclude that the report meets the Lewis County Critical Area Code and that the report also includes the text, figures, data sheets and rating forms as practiced according to the U.S. Army Corps of Engineers (1987) Wetland Delineation Manual and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys and Coast Region.

Hydric soils are mapped on the site. Datasheets identify hydric soils onsite. However, datasheets show no wetland hydrology or hydrophytic vegetation. The report states that areas within three hundred (≤ 300) feet of the proposed project were evaluated for Critical Areas. No Critical Areas are mapped within three hundred (≤ 300) feet of the subject property by agency databases, as provided in the report. Although Northern Resource Consulting, Inc. did not perform a site evaluation, Agency databases and available documentations are consistent with the results of the report.

Recommendations:

Maps and Figures add a project arrow showing the project location, for example in the forest practice map and the soil map neither material effected the outcome of the findings of the wetland report.

Limitations:

The findings and conclusions contained in this document were based on information and data available at the time the document was prepared and evaluated using standard Best Professional Judgment. NRC assumes no responsibility for the accuracy of information and data generated by others. Local, State, and Federal regulatory agencies may or may not agree with the findings and conclusions contained in this document.

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Please feel free to reach out with any questions phone 360-721-5446. In summary I agree with the findings of the report prepared by Becky Rieger, Environmental Designs, LLC. Attached are my qualifications for conducting wetland work in Western Washington.

Thank you,

Brian Perleberg

Brian L Perleberg,
Principal and Senior Scientist

Appendix A. Resume

Northern Resource Consulting, Inc.

ENVIRONMENTAL SERVICES & LAND USE PLANNING

1339 Commerce Avenue, Suite 309B

Longview, Washington 98632

**Brian Perleberg,
Senior Scientist and Principal**

**YEARS OF
EXPERIENCE** 28

EDUCATION M.S. Aquatic Ecology, School of Aquatics and Fisheries Science,
University of Washington, Seattle, WA 1998

B.S. Fisheries Resource Management, University of Idaho, Moscow, ID
Minor Environmental Planning, University of Idaho, Moscow, ID 1996

Associates of Arts and Science from Wenatchee Valley College in
Wenatchee, WA 1992

**PROFESSIONAL
AFFILIATIONS** American Fisheries Society
Society of Wetland Scientists

**SPECIALIZED
TRAINING** Habitat Evaluation Procedure, Virginia Tech, Denver, Colorado 1999.
Methods for Monitoring for Spotted Owls, BLM & USFS (1990)
Methods for Assessing Wetland Function WA US Fish & Wildlife Service 1999
Principals of Project Management Planning WSDOT 2002
Wetland Mitigation Planning: Creating Goals, Objectives and Success
Criteria, SWS June 1997.
Certified in Planning, Acquiring and Handling Plants for Wetland
Construction, Wetland Training Institute (WTI).
Certified in Hydrologic Design for Constructing Wetlands, WTI.
Bull Trout Habitat Evaluation (USF&WS & NMFS), Forks, WA.
NEPA Training for FERC Hydro Relicensing, Kleinschmidt & Associates,
Portland, Oregon 2000.
Certified in Wetland Soil and Hydrology, Wetland Training Institute.
January 1997
USF&WS / NMFS Biological Assessment Training Workshop Lacey, WA
1998
Ordinary High Water Mark and Ordinary High Water Line Delineation on
Rivers and Streams, Coarse HYDR-405 (May 2005).
Reviewing Wetland Mitigation and Monitoring Plans using Wetland
Mitigation in Washington State (2007)
Using the Revised Washington State rating System in Western
Washington, Coastal Training Program Washington (2015)
WSDOT Advanced Biological Assessment Training June 2006
Stream Typing Certified in Washington, WDFW, Fall 1997.
Fish Passage Short Course, Oregon City, OR (2008)
EXO YSI User Certification (2015)

SUMMARY OF EXPERIENCE:

Mr. Perleberg has extensive background with project planning, wetland delineation in various soil types, agricultural land wetland evaluation and mitigation planning option, sediment sampling, waterfront development permitting, Level 1 & 2 Habitat Assessments, fish ecology, sediment

evaluation, writing editing wetland reports, characterizing sediments, project planning, erosion control, hydrology, and conservation biology. For private development Mr. Perleberg has worked with single family landowners for development of single family residential housing, shops, pavilions, garages, roads, driveways and 3rd party review of wetland reports prepared by other wetland consultants, and litigation support relating to stream and fish natural resource damage for small forest owners.

Over the last 28 years, Mr. Perleberg has conducting natural resource (wetlands, wildlife, fisheries, avian) impact assessment, feasibility level assessment to local planning staff, professional engineers, county engineers, structural engineers, port district staff, public works staff, waste water treatment plant staff, project planners, water resource managers, and wildlife biologists on regional infrastructure projects in Washington and Oregon.

Mr. Perleberg enjoys working on public infrastructure permitting projects interacting with local, state and federal agencies to acquire permit approvals, management project relating to Endangered Species Act (Biological Assessments) for the Cowlitz, Columbia, and Toutle Rivers. Past projects have included drafting and developed biological evaluation, designed studies, conducted field investigation for wetlands, threatened and endangered species in Oregon. Preparing Level I & II Riparian Habitat Plans and Fish and Wildlife Conservation Reports along with associated mitigation plans.

Mr. Perlebergs' functional role at Northern Resource Consulting includes development of scoping project to ensure details are completed, manage budgets to ensure cost control, prepare team for assignments, coordinate with contracting staff, ensure scope of work or task orders are clear. As a dual role, Brian works directly with the project teams developing and planning clear objectives for management of on-going projects.

On past projects, Mr. Perleberg has assisted numerous port staff for development management plans, permit strategies, policy actions, reviewed and developed local county land use zone changes, land use planning, conditional use permits, and compliance under section(s) 404 and 401 of the Clean Water Act (CWA) and reviewed Oregon DEQ-issued 401 water quality certification for several waterfront and dredge-related projects in Oregon.

Community Involvement:

Pacific Northwest Feed and Grain Association (2006-2026)

Chamber of Commerce Environmental Committee (2000-2008)

Consolidated Diking and Improvement District # 1, Advisory Committee Member
2002-2026

Kelso Rotarian (2002-2026)

WIRA 25/26 Watershed Planning Efforts (2000-2002)

Washington Farm Forestry Association

County Farm Forestry Association
Past President (2003-2026) – Earth Day and County Fair Booth Organizer.

Grain Elevator Processing Society (GEAPS) 2008-2026

Washington Pubic Port Association (2010-2026)

Port of Longview Comprehensive Scheme and Harbor Improvement Plan update an all-day visioning exercise (2012).

City of Longview Community Visioning Summit for a shoreline Management Plan Update completed on October 9, 2012.

Working Waterfront Coalition <http://www.workingwaterfrontportland.org/>

Critical Area Report



Prepared For: TCI Group

Site Address: 149 Mattson Road, Centralia

Tax Parcel Number: 023883000000

Date: January 9, 2026

Prepared By:
Environmental Design, LLC.
Septic Design • Wetlands • Mapping
2041 Little Hanaford Road, Centralia, WA 98531
(360) 219-3343

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Introduction:

Environmental Design, LLC conducted a Critical Area Study on November 12, 2025, to determine if wetland habitat is present on the site located at 149 Mattson Road in Centralia. The client is subdividing the property into 6 residential lots. The site is agricultural field with Eagle Creek running through the site. The property extends to Cooks Hill Road where two lots are proposed.

A previous wetland report had been completed by Environmental Design in 2016.

Site Description:

The site is located at 149 Mattson Road in Centralia, Washington.

The site is in Section 34 of Township 15 North, Range 03 West and is identified by Lewis County with the parcel number of 023883000000.

The total acreage of the parcel is about 28.70 acres.

The topography of the site is relatively flat throughout most of the parcel and runs north to Cooks Hill Road where it rises in elevation. Eagle Creek runs through the site.

The area around the site is primarily residential and vacant land with streams and hydric soils mapped.

Methodology:

Environmental Design, LLC completed the wetland study of this site by using the Routine Determination Method according to the 1987 U.S. Army Corp of Engineers Wetland Delineation Manual and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region.

When using the Routine Approach, a wetland area must meet three specific parameters. These three parameters are hydrology, vegetation and hydric soils.

Hydrology can be difficult to assess because it may or may not be present, depending on the time of year. Vegetation and soils are important to assess to aid in determining if hydrology had been present in the past. Hydrology must be present, as this is the most critical parameter for wetland habitat.

Office Investigation:

In order to complete this method, research was conducted by pulling information and maps from the National Wetland Inventory website, the Lewis County Website, the NRCS website to find out what the soils were, and also further information was pulled from the Department of Natural Resources and Fish and Wildlife websites.

After reviewing the research, it was noted that hydric soils are mapped throughout the site and Eagle Creek is present with a 150 foot buffer. A site visit was then conducted to review for wetland habitat on the site and areas visible around the proposed project.

Field Investigation:

A site visit was conducted on November 12, 2025 where Environmental Design walked the property and tested in various areas where vegetation seemed to have changed or where wetland habitat could be present. There is an existing driveway entrance on the site. The site has an existing barn on it as the site was previously used for agricultural purposes.

Test sites were completed in areas where vegetation, elevation or other characteristics changed that indicated a possible presence of wetland habitat. The site was evaluated up to 300 feet of the proposed project.

Field Observations:

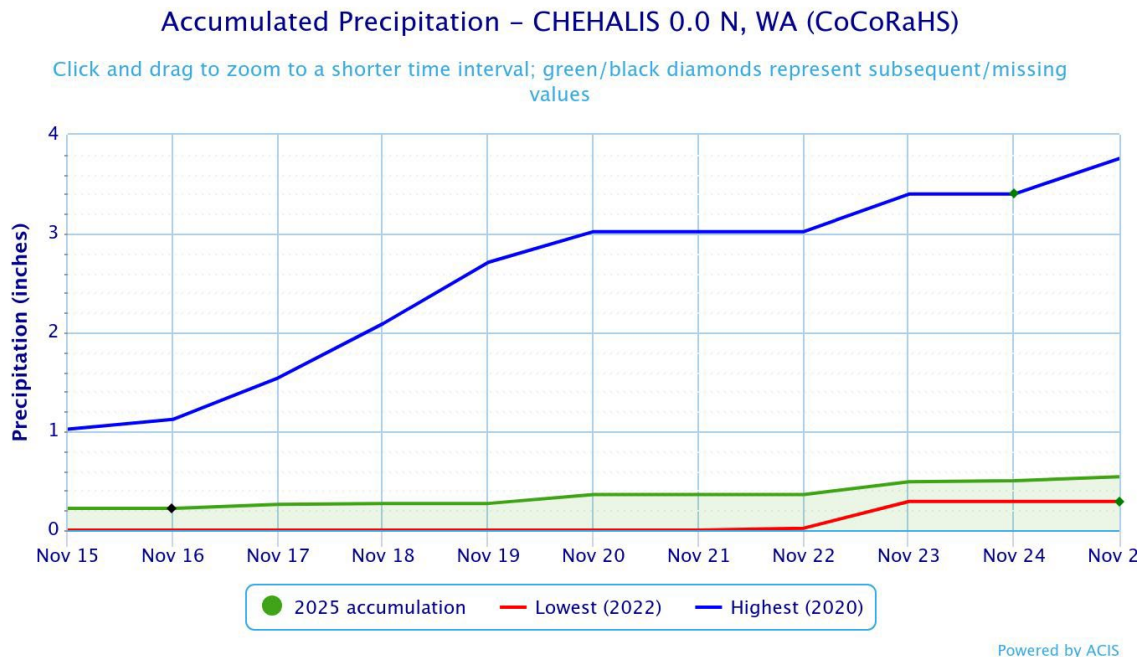
Weather Conditions and Records:

Lewis County, Washington overall has a temperate climate year-round. Summers range between 70-80 degrees Fahrenheit during daylight and then cool at night to mid-50 degrees Fahrenheit. Winters are cold with temperatures averaging around the mid-30s during the days and colling to the 20s at night.

Snowfall is minimal during the winter and occurs during the winter months and averages around 17 inches per year.

Rainfall averages around 58 inches a year while the average for the United States is 38 inches per year.

The temperatures at the time of the study were within the normal range along with the precipitation, as can be seen in the chart below:



The WETS data is included as Figure 9 in Appendix A.

Vegetation:

Wetland Vegetation has been classified into indicator statuses of how likely the plant is to be found in a wetland habitat.

The primary vegetation identified throughout the site is as listed:

Common Name	Scientific Name	Indicator
Douglas Fir	<i>Pseudotsuga menziesii</i>	FACU
Orchard Grass	<i>Dactylis glomerata</i>	FACU
Hairy-Cat's Ear	<i>Hypochaeris radicata</i>	FACU
Perennial Rye Grass	<i>Lolium perenne</i>	FAC
Nootka Rose	<i>Rosa nutkana</i>	FAC
White Pine	<i>Pinus monticola</i>	FACU

Plant Indicator Key:

- Obligate Wetland (OBL) – highly likely to be in a natural wetland environment
- Facultative Wetland (FACW) –most likely to be present in a natural wetland environment
- Facultative (FAC) – can be present in both a natural wetland and non-wetland environment
- Facultative Upland (FACU) –may be present in a natural wetland, but most likely to be seen in non-wetland conditions
- Obligate Upland (UPL) – most likely to occur in non-wetland conditions
- No Indicator – the plant does not have enough data to determine the indicator status yet

The vegetation on the site is primarily field grass with dandelion species. In the spring the site was observed to have Ox-Eye daises and Queen Anne Lace patches as well. On the north side of Eagle Creek the vegetation has young Douglas Fir Trees, Pine Trees, Nootka Rose and field grass.

Soils:

The site is primarily mapped as Reed Silty Clay Loam Series according to the U.S.D.A Natural Resources Conservation Service *Soil Survey of Lewis County, Washington*. The series is listed on the hydric soils list produced by the U.S.D.A Natural Resources Conservation. The areas where test plots were conducted, the soil did appear to be consistent with the mapped series.

The NRCS describes Reed Silty Clay Loam series as very deep poorly drained soil located on flood plains. In a representative profile, the surface layer is mottled, very dark grayish brown silty clay loam about 6 inches thick. The lower portion is mottled, very dark grayish brown silty clay loam extending about 8 inches thick. The upper layer of the subsoil is about 6 inches thick and is mottled, brown silty clay. The following layer is mottled very dark gray, dark gray clay and dark grayish brown silty clay loam about 17 inches thick. The lower portion extends to a depth of 60 inches or more and is mottled, black clay.

The soil on the site did meet the criteria for being hydric as mottling was found in the profile at about 16 inches throughout the middle of the site. The soils closer to Mattson Road were a little deeper in areas to a depth of 20 inches. The soils observed on the Cooks Hill Road side had mottling at about 16 inches as well. The profile of the soil matched the mapped series and did meet hydric soil criteria.

Hydrology:

The site did not have any indicators of hydrology present on the site, such as drainage patterns, surface cracks, standing water or evidence of hydrology in the soil profile.

Eagle Creek is present on the site and has a buffer of 150-feet.

Wildlife:

The area is shown to have Rainbow Trout, Roosevelt Elk, and Wolverine habitat is mapped as a priority species listed on the Priority Habitat Species Map produced by Fish and Wildlife.

The site will be used for residential and the area surrounding the site will continue to provide habitat for the species. The site will not have excessive noise and the client is keeping the site as natural as possible.

Investigation Results:

Wetlands:

Environmental Design concludes, jurisdictional wetland habitat is not present on or within 300 feet of the proposed project area. The surrounding areas have Douglas Firs and upland vegetation. The field has been used for agricultural, such as haying and cattle during the spring and summer months.

Stream Buffer:

Eagle Creek is present on the site and has a buffer of 150 feet. The proposed building sites are outside of the buffer and any development within this area will need further review.

Surrounding Critical Areas and Impacts:

Surrounding areas were observed in the field and by mapping resources. Other critical habitats and buffers were not observed within 300 feet of the proposed construction site.

Conclusions:

Environmental Design, LLC concludes that wetland habitat is not present on the site or within 300 feet of the projected residential areas. The proposed development will be outside of the Eagle Creek 150 foot buffer as well.

Report Limitations:

The determination of this wetland was completed by Environmental Design, LLC. The determination of this wetland is based on scientific methods, data available at the time and our best professional judgment.

Environmental Design, LLC assumes no responsibility for the accuracy of information and data generated by others or for changes completed on the site after investigation.

Environmental Design, LLC agrees the conclusion should agree with the local, state, and federal regulatory agencies; however, there may be situations where the conclusions are not agreeable.

References:

- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi.
- Lewis County. Critical Areas Map. Online map. <https://fortress.wa.gov/lewisco/home/>.
- Soil Conservation Service. 1995. Hydric Soils for Washington. Online document: <http://www.statlab.iastate.edu:80/soils/hydric/wa/html>.
- Soil Conservation Service. 1980. Soil Survey of Lewis County, Washington. U.S. Department of Agriculture, Washington DC.
- Soil Conservation Service. 1990. Soil Survey of Thurston County, Washington. U.S. Department of Agriculture, Washington DC.
- U.S Army Corps of Engineers. 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys and Coast Region (Version 2.0), ed. J. S. Wakeley, R.W. Lichvar, and C. V. Noble. ERDC / EL TR-103. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- Washington State Department of Ecology. 1997. Washington State Wetlands Identification and Delineation Manual. Publication # 96-94. Olympia, Washington.
- Washington State Department of Ecology. 2004. Washington State Wetlands Rating System: Western Washington Revised. Publ. # 04-06-025. Olympia, Washington.
- Washington Department of Fish and Wildlife. Priority Habitat Species (PHS) Database. (August 2014)

Completed By:

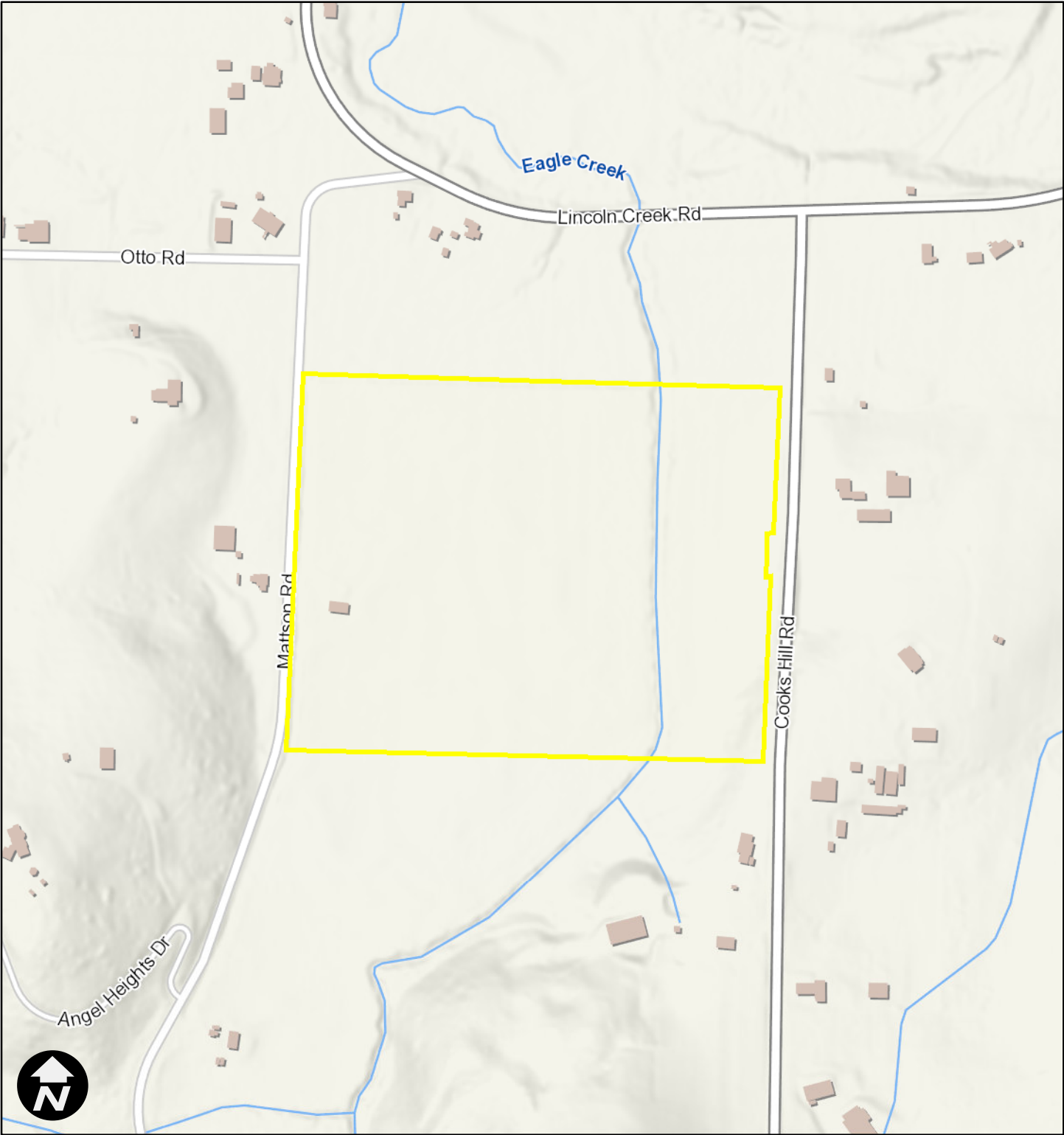
Becky Rieger

Becky Rieger, Wetland Specialist

Appendix A:

Critical Area Maps

Figure 1: Site Location Map



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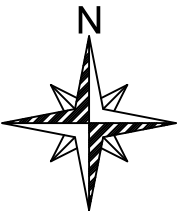
 Parcels

0 205 410 820 ft
NAD 1983 StatePlane Washington South FIPS 4602 Feet



Lewis County does not guarantee the accuracy of the information shown on this map and is not responsible for any use or misuse by others regarding this material. It is provided for general informational purposes only. This map does not meet legal, engineering, or survey standards. Please practice due diligence and consult with licensed experts before making decisions.

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LEGEND	
	HUB
	TEST PIT
	EXISTING WELL
	PROPOSED WELL
	POWER
	STUMP

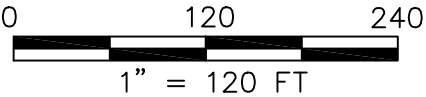


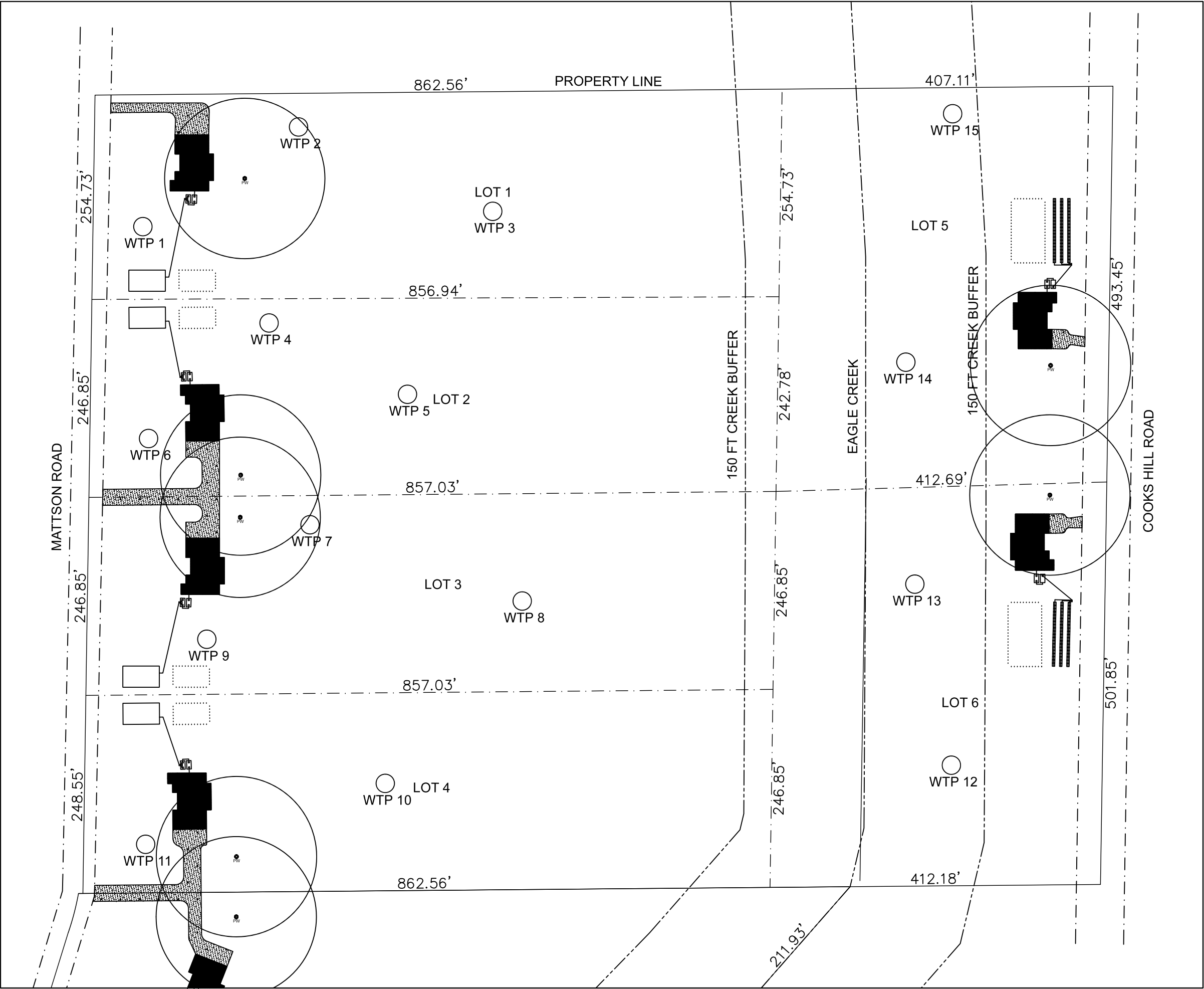
FIGURE 2: SITE MAP
TEST PLOT LOCATIONS

NOTE: THIS IS 11x17 PRINT

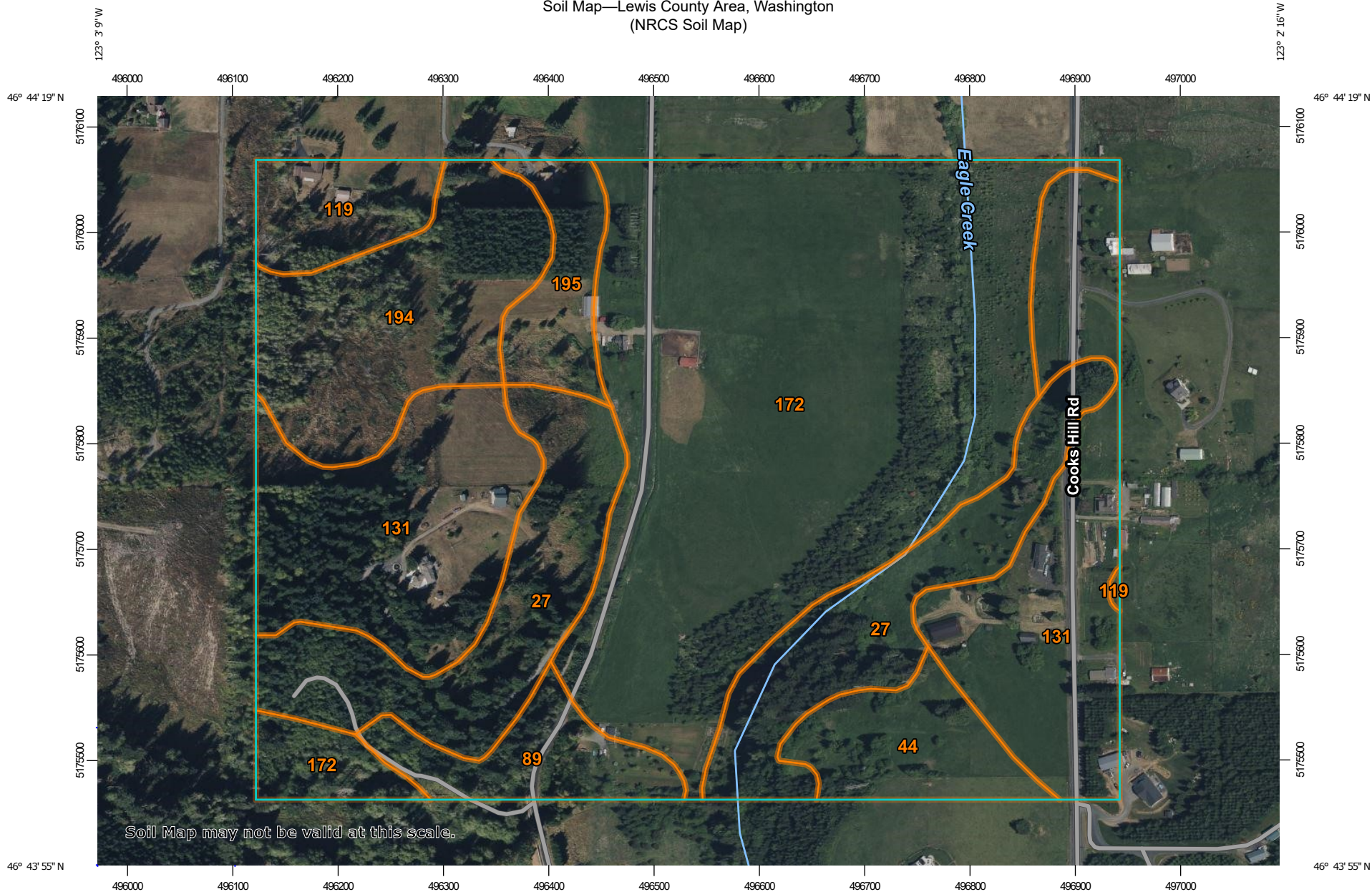
PROPERTY LINES SHOWN AS PER
SURVEY PROVIDED BY BUTLER SURVEYING

THE PROPERTY LINES IN THIS MAP ARE
APPROXIMATE AND ARE NOT INTENDED
TO BE USED AS A SURVEY.

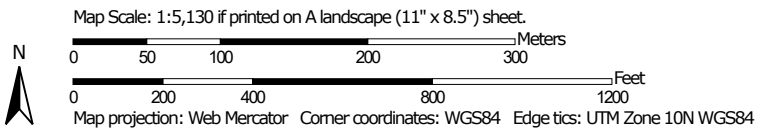
CLIENT NAME: TCI GROUP		
MAILING ADDRESS: PO BOX 546 QUEEN CREEK, AZ 85142		
PHONE NUMBER: 253.279.7164		
SITE ADDRESS: 149 MATTSON ROAD, CENTRALIA		
PARCEL NUMBER: 023883000000		S-T-R: 34-15N-03W
PERMIT NUMBER:		
DRAFTED BY: BJR	JOB NUMBER: 2025-010	PAGE 1 OF 1
REVIEWED BY: BJR	DATE: 01.20.2026	



Soil Map—Lewis County Area, Washington (NRCS Soil Map)



Soil Map may not be valid at this scale.



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

1/29/2025
Page 1 of 3

Soil Map—Lewis County Area, Washington
(NRCS Soil Map)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lewis County Area, Washington

Survey Area Data: Version 24, Aug 27, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 8, 2022—Aug 14, 2023

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

Map Unit Legend

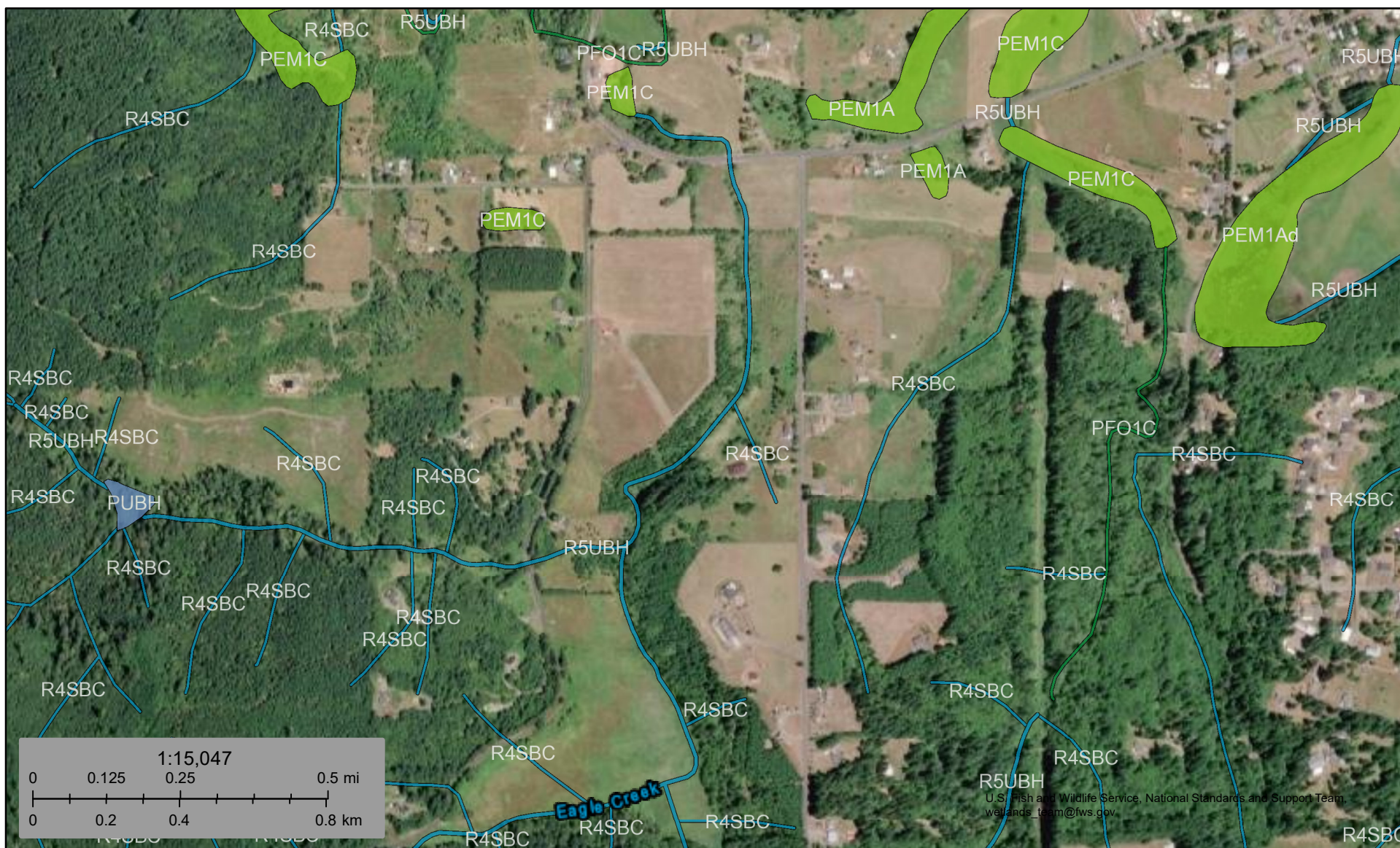
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
27	Buckpeak silt loam, 30 to 65 percent slopes	19.9	16.1%
44	Centralia loam, 15 to 30 percent slopes	5.2	4.2%
89	Galvin silt loam, 0 to 8 percent slopes	4.5	3.7%
119	Lacamas silt loam, 3 to 8 percent slopes	4.0	3.2%
131	Melbourne loam, 8 to 15 percent slopes	26.7	21.6%
172	Reed silty clay loam	47.5	38.5%
194	Scamman silty clay loam, 5 to 15 percent slopes	11.8	9.5%
195	Scamman silty clay loam, 15 to 30 percent slopes	3.9	3.1%
Totals for Area of Interest		123.3	100.0%



U.S. Fish and Wildlife Service

National Wetlands Inventory

Figure 4: NWI Map



January 9, 2026

Wetlands

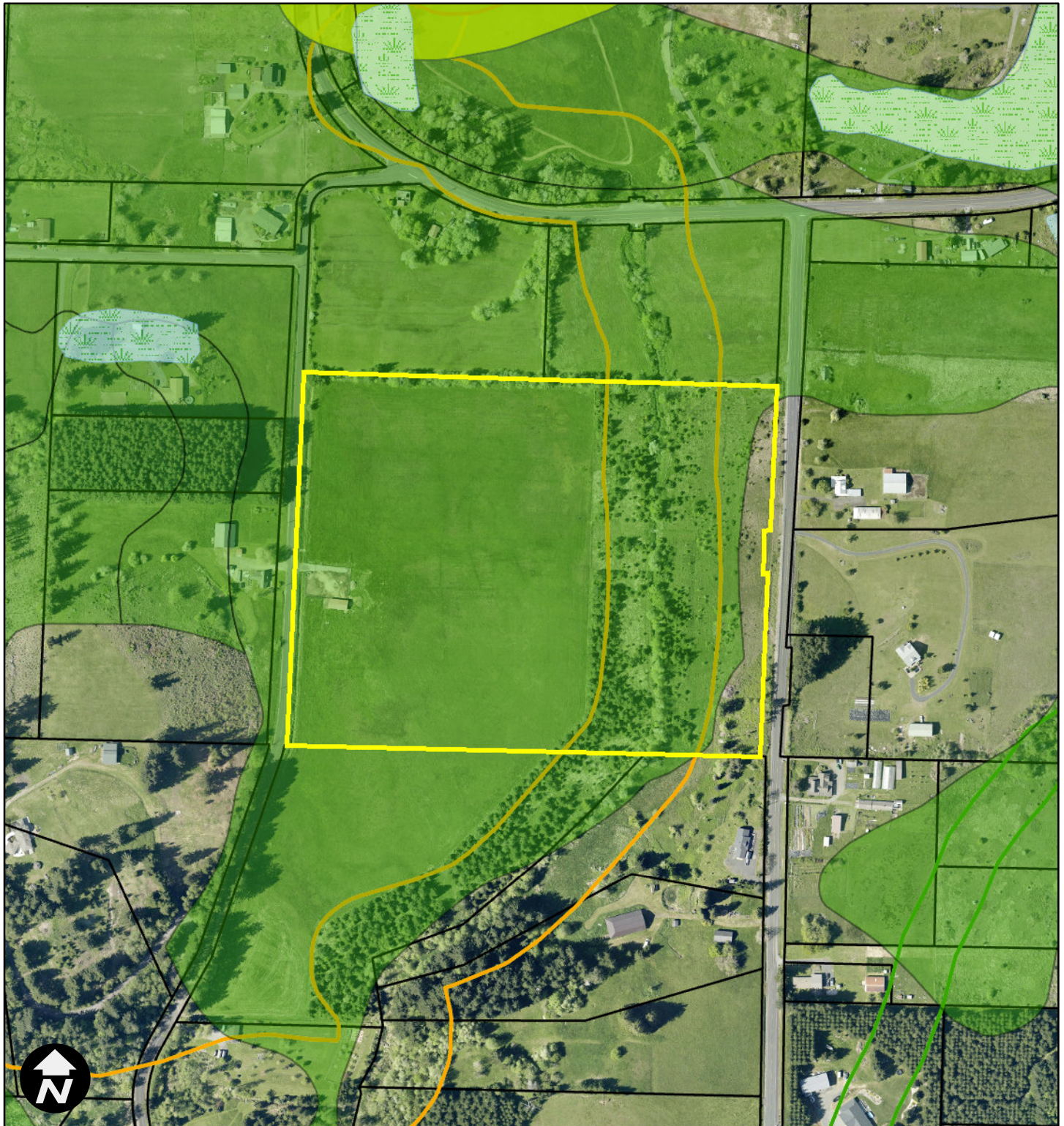
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Figure 5: Lewis County Critical Area Map



1/9/2026, 11:28:55 AM

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- | | |
|--|----------------------------|
|  Parcels | Natural |
| Wetlands | Rural or Urban Conservancy |
| Hydric Soils | Shoreline Residential |
| Shoreline Environments | High Intensity |
| Aquatic | |

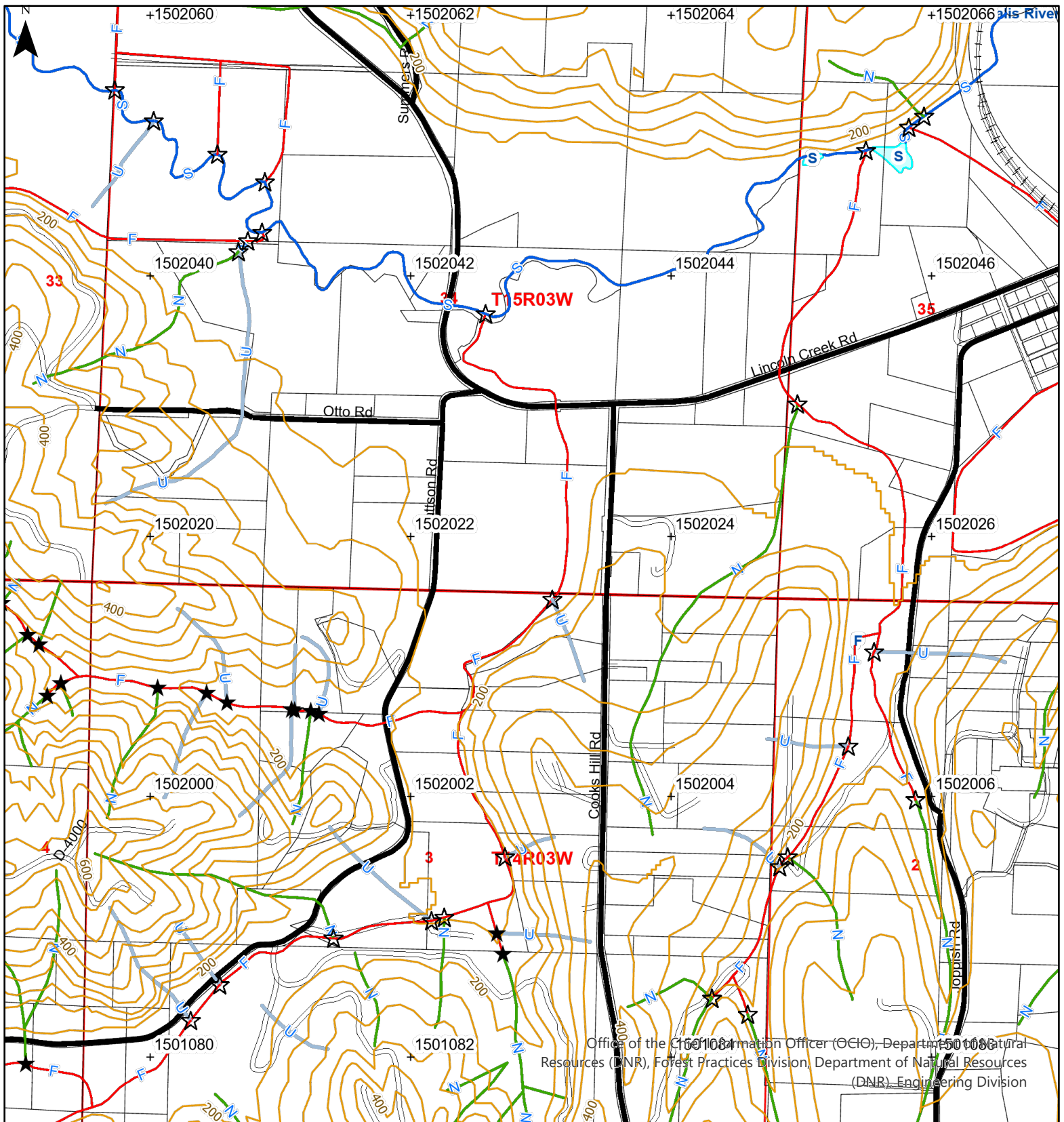
0 205 410 820 ft
NAD 1983 StatePlane Washington South FIPS 4602 Feet



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Forest Practices Activity Map - Application



Map Symbols

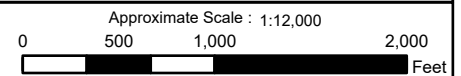
- Harvest Boundary
- - - Road Construction
- ~ Stream
- RMZ / WMZ Buffers
- Rock Pit
- Landing
- Waste Area
- Clumped WRTS/GRTS
- Existing Structure

Additional Information

Extreme care was used during the compilation of this map to ensure its accuracy. However, due to changes in data and the need to rely on outside information, the Department of Natural Resources cannot accept responsibility for errors or omissions, and therefore, there are no warranties that accompany this material.

Legal Description

S03 T14.0N R03.0W, S35 T15.0N R03.0W, S02 T14.0N R03.0W, S04 T14.0N R03.0W, S33 T15.0N R03.0W, S34 T15.0N R03.0W

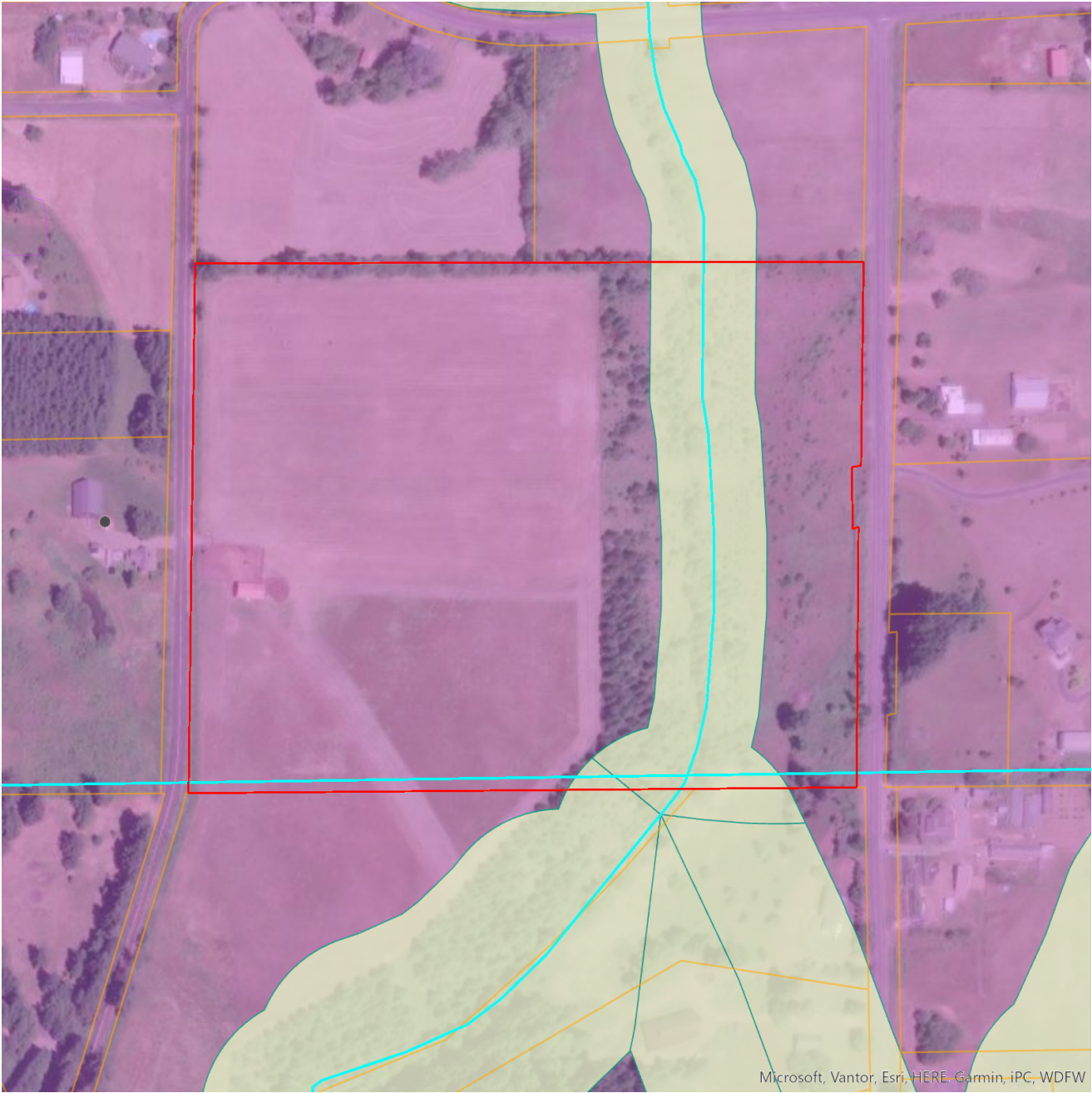


Date: 1/9/2026

Time: 11:34 AM



Priority Habitats and Species on the Web



Report Date: 01/09/2026, Parcel ID: [023883000000](#)

PHS Species/Habitats Overview:

Occurence Name	Federal Status	State Status	Sensitive Location
Rainbow Trout	N/A	N/A	No
Roosevelt elk	N/A	N/A	No
Wolverine	Threatened	Candidate	Yes

Riparian Management Zones, if present, are not included in the Overview table above or the Details below. For RMZ details, please visit [ripariandata.wdfw.wa.gov](#).

PHS Species/Habitats Details:

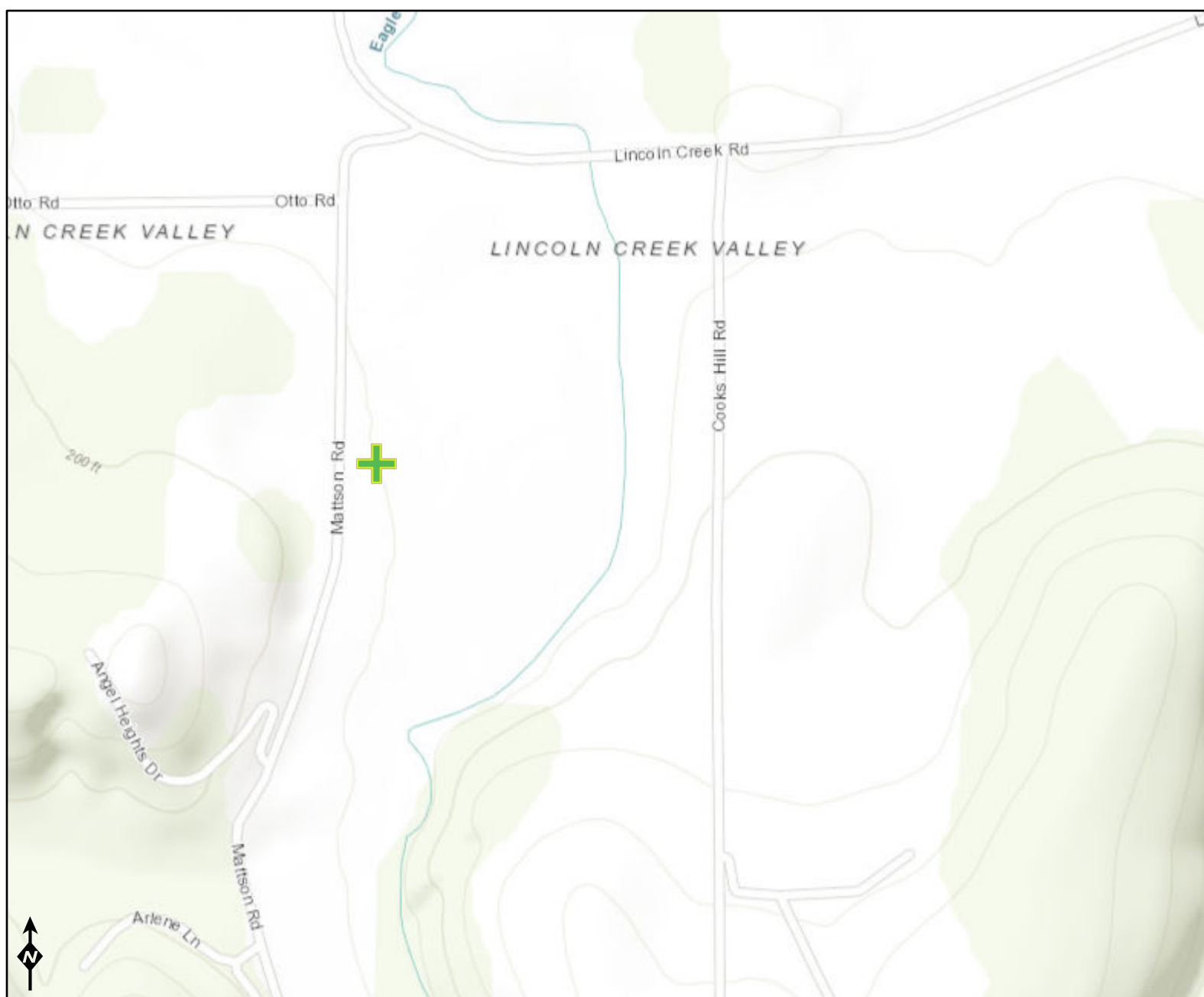
Rainbow Trout	
Scientific Name	<i>Oncorhynchus mykiss</i>
Priority Area	Occurrence/Migration
Site Name	Eagle Creek
Accuracy	NA
Notes	LLID: 1230436467412, Fish Name: Rainbow Trout, Run Time: Unknown or not Applicable, Life History: Unknown
Source Record	58031
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversity/soc/soc.htm
ManagementRecommendations	https://wdfw.wa.gov/publications/00033
Geometry Type	Lines

Roosevelt elk	
Scientific Name	<i>Cervus elaphus roosevelti</i>
Priority Area	Regular Concentration
Accuracy	General locality
Notes	ROOSEVELT ELK WINTER RANGE. WILLAPA HERD.
Source Record	918523
Source Dataset	PHSREGION
Source Name	BENDER, LOU WDFW REG5
Source Entity	WA Dept. of Fish and Wildlife
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS LISTED OCCURRENCE
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	https://wdfw.wa.gov/publications/00614
Geometry Type	Polygons

Wolverine	
Scientific Name	<i>Gulo gulo</i>
Notes	This polygon mask represents one or more records of the above species or habitat occurrence. Contact PHS Data Release at phsproducts@dfw.wa.gov for obtaining information about masked sensitive species and habitats.
Federal Status	Threatened
State Status	Candidate
PHS Listing Status	PHS Listed Occurrence
Sensitive	Y
SGCN	Y
Display Resolution	TOWNSHIP

DISCLAIMER. This report includes information that the Washington Department of Fish and Wildlife (WDFW) maintains in a central computer database. It is not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife. This information only documents the location of fish and wildlife resources to the best of our knowledge. It is not a complete inventory and it is important to note that fish and wildlife resources may occur in areas not currently known to WDFW biologists, or in areas for which comprehensive surveys have not been conducted. Site specific surveys are frequently necessary to rule out the presence of priority resources. Locations of fish and wildlife resources are subject to variation caused by disturbance, changes in season and weather, and other factors. WDFW does not recommend using reports more than six months old.

Figure 8: Water Atlas 303d Map

**Assessed Water/Sediment****Water**

-  Category 5 - 303d
-  Category 4C
-  Category 4B
-  Category 4A
-  Category 2
-  Category 1

Sediment

-  Category 5 - 303d
-  Category 4C
-  Category 4B
-  Category 4A
-  Category 2
-  Category 1

WETS Table

WETS Station: MAYFIELD
POWER PLANT, WA

Requested years: 2005 -
2025

Month	Avg Max Temp	Avg Min Temp	Avg Mean Temp	Avg Precip	30% chance precip less than	30% chance precip more than	Avg number days precip 0.10 or more	Avg Snowfall
Jan	-	-	-	8.01	5.82	9.44	15	-
Feb	-	-	-	5.94	4.32	7.00	13	-
Mar	-	-	-	6.77	5.10	7.90	15	-
Apr	-	-	-	5.27	3.92	6.18	13	-
May	-	-	-	3.95	2.46	4.77	10	-
Jun	-	-	-	2.80	1.99	3.32	7	-
Jul	-	-	-	0.72	0.22	0.85	2	-
Aug	-	-	-	0.93	0.41	1.13	3	-
Sep	-	-	-	2.67	1.25	3.26	6	-
Oct	-	-	-	5.74	4.34	6.70	11	-
Nov	-	-	-	8.89	6.65	10.40	15	-
Dec	-	-	-	8.89	6.96	10.26	16	-
Annual:					56.29	64.87		
Average	-	-	-	-	-	-	-	-
Total	-	-	-	60.59			127	-

GROWING SEASON DATES

Years with missing data:	24 deg = 3	28 deg = 3	32 deg = 3
Years with no occurrence:	24 deg = 0	28 deg = 0	32 deg = 0
Data years used:	24 deg = 18	28 deg = 18	32 deg = 18
Probability	24 F or higher	28 F or higher	32 F or higher
50 percent *	Insufficient data	Insufficient data	Insufficient data
70 percent *	Insufficient data	Insufficient data	Insufficient data

* Percent chance of the
growing season occurring
between the Beginning
and Ending dates.

STATS TABLE - total precipitation (inches)

Yr	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annl
1980			5.45	4.66	1.28	3.57	0.57	1.22	2. 71	1. 38	10. 12	10. 61	41. 57
1981	2.75	7.34	M3.52	6.75	4.16	6.93	1.15	0.17	4. 05	6. 91	6.35	9.76	59. 84
1982	10.92	9.28	5.69	4.12	1.72	1.57	1.56	1.30	3. 60	7. 36	5.25	9.39	61. 76
1983	8.55	6.35	7.35	3.06	3.72	4.19	3.73	2.17	2. 40	1. 94	13. 79	5.88	63. 13
1984	8.10	5.23	7.83	6.08	7.28	5.44	T	0.54	2. 32	6. 11	11. 81	5.57	66. 31
1985	0.40	4.54	4.16	4.07	2.06	2.93	0.05	2.46	3. 71	7. 27	6.63	1.98	40. 26
1986	7.65	7.71	5.40	4.19	4.06	1.80	1.66	0.14	3. 86	3. 32	11. 28	5.49	56. 56
1987	7.21	5.74	8.10	2.84	3.71	0.91	1.82	1.04	0. 25	0. 25	4.46	8.16	44. 49
1988	5.55	2.95	8.20	4.63	5.48	1.77	1.90	0.97	2. 73	1. 76	13. 60	4.77	54. 31
1989	5.79	4.26	9.08	2.53	4.18	1.55	0.87	1.22	0. 84	3. 06	8.32	4.10	45. 80

1990	12.78	8.20	3.77	5.13	3.57	4.12	1.08	1.61	0.28	8.52	9.83	5.91	64.80
1991	4.68	6.72	5.92	9.87	4.28	3.12	0.49	M1.44	M0.58	2.47	10.21	5.79	55.57
1992	7.61	4.96	1.40	6.66	0.70	1.32	0.80	0.95	3.35	1.42	7.65	5.59	42.41
1993	2.79	M0.17	4.66	8.77	M5.09	3.77	3.12	0.57	0.09	2.63	3.40	6.23	41.29
1994	8.26	6.78	4.75	3.90	1.70	3.63	0.22	0.70	1.57	7.03	9.17	9.09	56.80
1995	4.88	4.55	5.13	6.55	2.74	2.28	1.52	2.06	2.50	8.33	14.22	8.93	63.69
1996	9.19	12.69	2.96	9.38	4.78	1.68	1.64	1.05	3.48	7.49	8.86	15.14	78.34
1997	10.39	5.17	8.97	M5.85	M3.98	M6.87	2.15	M2.20	M3.92	8.79	5.82	7.19	71.30
1998	9.89	3.97	6.81	3.15	4.48	2.52	0.23	0.07	0.54	4.72	12.58	11.27	60.23
1999	10.49	8.74	8.00	2.38	5.54	3.12	1.50	1.89	0.53	3.09	11.98	7.42	64.68
2000	7.41	5.36	5.09	3.24	4.37	2.17	0.14	0.43	1.70	5.65	3.35	3.22	42.13
2001	2.89	2.96	4.67	5.12	3.34	4.83		1.21	1.49	5.06	9.73	M10.33	51.63
2002	8.47	5.16	6.34	5.02	2.57	1.83	0.30	0.60	1.21	1.87	4.30	M8.09	45.76
2003	8.64	4.36	M7.18	6.73	1.90	0.80	0.35	0.52	2.20	5.17	M6.61	9.70	54.16
2004	M9.87	M3.28	3.48	1.77	5.54	1.20	0.23	6.49	4.42	5.45	4.34	4.49	50.56
2005	3.83	1.62	6.16	5.95	5.46	3.74	1.39	0.33	1.17	5.93	8.84	8.26	52.68
2006	15.28	5.22	3.37	4.24	3.72	2.14	0.49	0.51	1.84	3.06	19.88	7.71	67.46
2007	7.11	6.31	7.13	3.47	2.45	1.83	1.55	0.60	1.50	6.19	4.43	12.25	54.82
2008	5.89	5.38	7.23	3.79	2.49	2.60	0.61	2.83	0.46	2.34	8.37	7.92	49.91
2009	M9.80	2.08	6.13	5.09	4.79	0.83	0.09	1.31	2.44	7.29	10.58	4.77	55.20
2010	7.32	4.12	6.36	5.91	6.53	5.69	0.36	M0.29	4.06	6.38	9.22	9.58	65.82
2011	11.71	5.06	10.77	7.18	5.66	1.80	1.29	0.17	2.34	3.50	10.30	4.39	64.17
2012	M7.28	8.88	10.98	6.33	4.70	5.35	1.08	0.04	0.21	7.47	7.64	11.21	71.17
2013	7.51	3.31	4.32	6.83	4.70	2.60	0.03	2.32	9.30	2.73	3.59	5.09	52.33
2014	8.86	M8.37	10.00	6.28	5.91	2.03	0.32	1.46	2.85	6.82	7.46	7.43	67.79
2015	8.11	4.78	4.70	3.23	1.88	1.24	1.00	1.43	1.41	4.16	10.82	16.76	59.52
2016	8.31	7.03	9.43	3.03	2.43	3.56	2.17	1.05	3.31	12.44	9.61	6.71	69.08
2017	4.24	11.23	11.42	7.16	3.83	3.48	0.01	0.26	1.68	9.63	11.28	8.40	72.62
2018	10.47	7.12	5.93	7.88	0.47	2.40	0.25	1.27	1.97	5.28	5.94	7.91	56.89
2019	3.45	6.63	2.24	5.24	2.17	1.64	1.35	2.00	4.68	4.78	2.42	8.28	44.88
2020	13.95	10.15	5.59	2.74	5.89	3.88	1.20	0.80	3.17	4.44	9.19	5.61	66.61
2021	8.07	8.96	3.28	1.48	3.11	2.55	0.01	0.34	4.59	7.97	12.68	14.62	67.66
2022	9.89	4.07	9.76	9.11	8.52	4.79	0.36	0.13	0.12	5.17	9.10	8.22	69.24
2023	5.68	3.51	5.55	7.81	0.66	1.29	0.32	0.62	4.95	3.91	8.84	15.33	58.47

[illegible]

Notes: Data missing in any month have an "M" flag. A "T" indicates a trace of precipitation.

Data missing for all days
in a month or year is
blank.

Creation date: 2025-03-28

Appendix B:

Site Pictures

Environmental Design, LLC.
Septic Design • Wetlands • Mapping



Mattson Road Area Building Sites



Mattson Road Area Building Sites



Mattson Road Area Building Sites



Soil Profile



East Side of Eagle Creek



View of Site (Cooks Hill Road Side) South



View of Site (Cooks Hill Road) East Eagle Creek



Eagle Creek



West from Eagle Creek

Appendix C:

Test Plot Data Forms

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 1	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria. It is a field that has been used as agriculture.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 40 x 3 = 120 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 130 (A) 480 (B) Prevalence Index = B/A = 3.69
1.					
2.					
3.					
4.					
5.					
		=Total Cover			
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	☒	FACU	
2. Lolium perenne		40	☒	FAC	
3. Hypochaeris radicata		30	☒	FACU	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		130 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 1**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	10YR 4/3	100					Silty Clay Loam	
16 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region				Requirement Control Symbol EXEMPT:	
See ERDC/EL TR-10-3; the proponent agency is CECW-COR				(Authority: AR 335-15, paragraph 5-2a)	
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 2	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria. It is a field that has been used as agriculture.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 40 x 3 = 120 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 130 (A) 480 (B) Prevalence Index = B/A = 3.69
Sapling/Shrub Stratum (Plot size: 5 ft r)					
1.					
2.					
3.					
4.					
5.					
		=Total Cover			Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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 (Plot size: 5 ft r)					
1. Dactylis glomerata		60	☒	FACU	
2. Lolium perenne		40	☒	FAC	
3. Hypochaeris radicata		30	☒	FACU	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		130 =Total Cover			Hydrophytic Vegetation Present? Yes ☐ No ☒
Woody Vine Stratum (Plot size: 30 ft r)					
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 2**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	10YR 4/3	100					Silty Clay Loam	
14 - 21	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 3	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria. It is a field that has been used as agriculture.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 40 x 3 = 120 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 130 (A) 480 (B) Prevalence Index = B/A = 3.69
1.					
2.					
3.					
4.					
5.					
		=Total Cover			
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	☒	FACU	
2. Lolium perenne		40	☒	FAC	
3. Hypochaeris radicata		30	☒	FACU	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		130 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 3**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	10YR 4/3	100					Silty Clay Loam	
14 - 18	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 4	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NW1 classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria. It is a field that has been used as agriculture.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 40 x 3 = 120 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 130 (A) 480 (B) Prevalence Index = B/A = 3.69
1.					
2.					
3.					
4.					
5.					
		=Total Cover			
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	✓	FACU	
2. Lolium perenne		40	✓	FAC	
3. Hypochaeris radicata		30	✓	FACU	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		130 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 4**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	10YR 4/3	100					Silty Clay Loam	
16 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 5	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria. It is a field that has been used as agriculture.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 40 x 3 = 120 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 130 (A) 480 (B) Prevalence Index = B/A = 3.69
Sapling/Shrub Stratum (Plot size: 5 ft r)					
1.					
2.					
3.					
4.					
5.					
		=Total Cover			Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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 (Plot size: 5 ft r)					
1. Dactylis glomerata		60	☒	FACU	
2. Lolium perenne		40	☒	FAC	
3. Hypochaeris radicata		30	☒	FACU	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		130 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 5

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	10YR 4/3	100					Silty Clay Loam	
14 - 21	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)	Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	
☐ Thick Dark Surface (A12)	
☐ Iron Monosulfide (A18)	
☐ Sandy Mucky Mineral (S1)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)	
☐ 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)	

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

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes ☒ No ☐
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Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (2 or more required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	☐ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
☐ High Water Table (A2)	☐ Salt Crust (B11)	☐ Drainage Patterns (B10)	
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Geomorphic Position (D2)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Shallow Aquitard (D3)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)	
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)	☐ Raised Ant Mounds (D6) (LRR A)	
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)	☐ Frost-Heave Hummocks (D7)	
☐ Inundation Visible on Aerial Imagery (B7)			
☐ Sparsely Vegetated Concave Surface (B8)			

Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): _____ Water Table Present? Yes ☐ No ☒ Depth (inches): _____ Saturation Present? Yes ☐ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 6	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria. It is a field that has been used as agriculture.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 40 x 3 = 120 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 130 (A) 480 (B) Prevalence Index = B/A = 3.69
1.					
2.					
3.					
4.					
5.					
		=Total Cover			
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	✓	FACU	
2. Lolium perenne		40	✓	FAC	
3. Hypochaeris radicata		30	✓	FACU	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		130 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 6**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	10YR 4/3	100					Silty Clay Loam	
16 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 7	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria. It is a field that has been used as agriculture.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 40 x 3 = 120 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 130 (A) 480 (B) Prevalence Index = B/A = 3.69
1.					
2.					
3.					
4.					
5.					
		=Total Cover			
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	✓	FACU	
2. Lolium perenne		40	✓	FAC	
3. Hypochaeris radicata		30	✓	FACU	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		130 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 7**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	10YR 4/3	100					Silty Clay Loam	
16 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR		OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)				
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis	Sampling Date: 2025-11-12			
Applicant/Owner: TCI		State: Washington	Sampling Point: WTP 8			
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W				
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):	Slope (%): 0-5			
Subregion (LRR/MLRA):		Lat:	Long:			
Datum: NAD83_2011						
Soil Map Unit Name: Reed Silty Clay		NW1 classification: N/A				
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No		Is the Sampled Area within a Wetland? Yes No				
Hydric Soil Present? Yes No						
Wetland Hydrology Present? Yes No						
Remarks:						
Site is does not meet criteria. It is a field that has been used as agriculture.						
VEGETATION – Use scientific names of plants.						
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1.					Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)	
2.					Total Number of Dominant Species Across All Strata: 3 (B)	
3.					Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)	
4.						
		=Total Cover				
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet:	
1.					Total % Cover of: Multiply by:	
2.					OBL species 0 x 1 = 0	
3.					FACW species 0 x 2 = 0	
4.					FAC species 40 x 3 = 120	
5.					FACU species 90 x 4 = 360	
		=Total Cover			UPL species 0 x 5 = 0	
Herb Stratum (Plot size: 5 ft r)					Column Totals: 130 (A) 480 (B)	
1. Dactylis glomerata		60		FACU	Prevalence Index = B/A = 3.69	
2. Lolium perenne		40		FAC		
3. Hypochaeris radicata		30		FACU		
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
		130 =Total Cover			Hydrophytic Vegetation Indicators:	
Woody Vine Stratum (Plot size: 30 ft r)					1 - Rapid Test for Hydrophytic Vegetation	
1.					2 - Dominance Test is >50%	
2.					3 - Prevalence Index is ≤3.0¹	
		=Total Cover			4 - Morphological Adaptations¹(Provide supporting data in Remarks or on a separate sheet)	
% Bare Ground in Herb Stratum					5 - Wetland Non-Vascular Plants¹	
					Problematic Hydrophytic Vegetation¹ (Explain)	
Remarks:		¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Vegetation does not meet criteria		Hydrophytic Vegetation Present? Yes No				
ENG FORM 6116-9. SEP 2024		Western Mountains, Valleys, and Coast – Version 2				

SOIL

Sampling Point: WTP 8**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	10YR 4/3	100					Silty Clay Loam	
14 - 21	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR		OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: 149 Mattson Road

City/County: Centralia / Lewis

Sampling Date: 2025-11-12

Applicant/Owner: TCI

State: Washington

Sampling Point: WTP 9

Investigator(s): Becky Rieger

Section, Township, Range: 34-15N-03W

Landform (hillside, terrace, etc.): _____

Local relief (concave, convex, none): _____

Slope (%): 0-5

Subregion (LRR/MLRA): _____

Lat: _____

Long: _____

Datum: NAD83_2011

Soil Map Unit Name: Reed Silty Clay

NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes _____ No ☒ Hydric Soil Present? Yes ☒ No _____ Wetland Hydrology Present? Yes _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒
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Remarks:
Site is does not meet criteria. It is a field that has been used as agriculture.

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status	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>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.33</u> (A/B)																
1. _____																					
2. _____																					
3. _____																					
4. _____																					
=Total Cover																					
Sapling/Shrub Stratum	(Plot size: <u>5 ft r</u>)				Prevalence Index worksheet: <table style="width:100%; font-size: small;"> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>130</u> (A)</td> <td><u>480</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.69</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>40</u>	x 3 = <u>120</u>	FACU species <u>90</u>	x 4 = <u>360</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>130</u> (A)	<u>480</u> (B)	Prevalence Index = B/A = <u>3.69</u>	
Total % Cover of:	Multiply by:																				
OBL species <u>0</u>	x 1 = <u>0</u>																				
FACW species <u>0</u>	x 2 = <u>0</u>																				
FAC species <u>40</u>	x 3 = <u>120</u>																				
FACU species <u>90</u>	x 4 = <u>360</u>																				
UPL species <u>0</u>	x 5 = <u>0</u>																				
Column Totals: <u>130</u> (A)	<u>480</u> (B)																				
Prevalence Index = B/A = <u>3.69</u>																					
1. _____																					
2. _____																					
3. _____																					
4. _____																					
5. _____																					
=Total Cover																					
Herb Stratum	(Plot size: <u>5 ft r</u>)				Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptations 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.																
1. <u>Dactylis glomerata</u>		<u>60</u>	☒	<u>FACU</u>																	
2. <u>Lolium perenne</u>		<u>40</u>	☒	<u>FAC</u>																	
3. <u>Hypochaeris radicata</u>		<u>30</u>	☒	<u>FACU</u>																	
4. _____																					
5. _____																					
6. _____																					
7. _____																					
8. _____																					
9. _____																					
10. _____																					
11. _____																					
<u>130</u> =Total Cover																					
Woody Vine Stratum	(Plot size: <u>30 ft r</u>)				Hydrophytic Vegetation Present? Yes _____ No ☒																
1. _____																					
2. _____																					
=Total Cover																					
% Bare Ground in Herb Stratum _____																					

Remarks:
Vegetation does not meet criteria

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Western Mountains, Valleys, and Coast – Version 2.0

SOIL

Sampling Point: WTP 9**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	10YR 4/3	100					Silty Clay Loam	
16 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region				Requirement Control Symbol EXEMPT:	
See ERDC/EL TR-10-3; the proponent agency is CECW-COR				(Authority: AR 335-15, paragraph 5-2a)	
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 10	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria. It is a field that has been used as agriculture.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 40 x 3 = 120 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 130 (A) 480 (B) Prevalence Index = B/A = 3.69
1.					
2.					
3.					
4.					
5.					
		=Total Cover			
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	☒	FACU	
2. Lolium perenne		40	☒	FAC	
3. Hypochaeris radicata		30	☒	FACU	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		130 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 10**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	10YR 4/3	100					Silty Clay Loam	
14 - 21	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR		OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: 149 Mattson Road City/County: Centralia / Lewis Sampling Date: 2025-11-12
 Applicant/Owner: TCI State: Washington Sampling Point: WTP 11
 Investigator(s): Becky Rieger Section, Township, Range: 34-15N-03W
 Landform (hillside, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): 0-5
 Subregion (LRR/MLRA): _____ Lat: _____ Long: _____ Datum: NAD83_2011
 Soil Map Unit Name: Reed Silty Clay NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes _____ No ☒ Hydric Soil Present? Yes ☒ No _____ Wetland Hydrology Present? Yes _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒
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Remarks:
Site is does not meet criteria. It is a field that has been used as agriculture.

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status	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>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.33</u> (A/B)																
1.																					
2.																					
3.																					
4.																					
=Total Cover																					
Sapling/Shrub Stratum	(Plot size: <u>5 ft r</u>)				Prevalence Index worksheet: <table style="width:100%; font-size: x-small;"> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>130</u> (A)</td> <td><u>480</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.69</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>40</u>	x 3 = <u>120</u>	FACU species <u>90</u>	x 4 = <u>360</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>130</u> (A)	<u>480</u> (B)	Prevalence Index = B/A = <u>3.69</u>	
Total % Cover of:	Multiply by:																				
OBL species <u>0</u>	x 1 = <u>0</u>																				
FACW species <u>0</u>	x 2 = <u>0</u>																				
FAC species <u>40</u>	x 3 = <u>120</u>																				
FACU species <u>90</u>	x 4 = <u>360</u>																				
UPL species <u>0</u>	x 5 = <u>0</u>																				
Column Totals: <u>130</u> (A)	<u>480</u> (B)																				
Prevalence Index = B/A = <u>3.69</u>																					
1.																					
2.																					
3.																					
4.																					
5.																					
=Total Cover																					
Herb Stratum	(Plot size: <u>5 ft r</u>)				Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
1.	<u>Dactylis glomerata</u>	<u>60</u>	☒	<u>FACU</u>																	
2.	<u>Lolium perenne</u>	<u>40</u>	☒	<u>FAC</u>																	
3.	<u>Hypochaeris radicata</u>	<u>30</u>	☒	<u>FACU</u>																	
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
11.																					
<u>130</u> =Total Cover																					
Woody Vine Stratum	(Plot size: <u>30 ft r</u>)				Hydrophytic Vegetation Present? Yes _____ No ☒																
1.																					
2.																					
=Total Cover																					
% Bare Ground in Herb Stratum _____					Remarks: Vegetation does not meet criteria																

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SOIL

Sampling Point: WTP 11

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	10YR 4/3	100					Silty Clay Loam	
16 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)	Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	
☐ Thick Dark Surface (A12)	
☐ Iron Monosulfide (A18)	
☐ Sandy Mucky Mineral (S1)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)	
☐ 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)	

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

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes ☒ No ☐
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Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (2 or more required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	☐ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
☐ High Water Table (A2)	☐ Salt Crust (B11)	☐ Drainage Patterns (B10)	
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Geomorphic Position (D2)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Shallow Aquitard (D3)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)	
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)	☐ Raised Ant Mounds (D6) (LRR A)	
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)	☐ Frost-Heave Hummocks (D7)	
☐ Inundation Visible on Aerial Imagery (B7)			
☐ Sparsely Vegetated Concave Surface (B8)			

Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): _____ Water Table Present? Yes ☐ No ☒ Depth (inches): _____ Saturation Present? Yes ☐ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers			OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)		
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 12	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NW1 classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 25.00 (A/B)
1. Pinus monticola		20	☒	FACU	
2. Pseudotsuga menziesii		20	☒	FACU	
3.					
4.					
		40 =Total Cover			
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 30 x 3 = 90 FACU species 100 x 4 = 400 UPL species 0 x 5 = 0 Column Totals: 130 (A) 490 (B) Prevalence Index = B/A = 3.76
1. Rosa nutkana		30	☒	FAC	
2.					
3.					
4.					
5.					
		30 =Total Cover			
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	☒	FACU	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		60 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

SOIL

Sampling Point: WTP 12**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 - 17	10YR 4/3	100					Silty Clay Loam	
17 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers		OMB Control #: 0710-0024, Exp: 09/30/2027			
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region		Requirement Control Symbol EXEMPT:			
See ERDC/EL TR-10-3; the proponent agency is CECW-COR		(Authority: AR 335-15, paragraph 5-2a)			
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis	Sampling Date: 2025-11-12		
Applicant/Owner: TCI		State: Washington	Sampling Point: WTP 13		
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):	Slope (%): 0-5		
Subregion (LRR/MLRA):		Lat:	Long:		
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
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 [x]		Is the Sampled Area within a Wetland? Yes [] No [x]			
Hydric Soil Present? Yes [x] No []					
Wetland Hydrology Present? Yes [] No [x]					
Remarks: Site is does not meet criteria.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 25.00 (A/B)
1. Pinus monticola		20	[x]	FACU	
2. Pseudotsuga menziesii		10	[x]	FACU	
3.					
4.					
		30	=Total Cover		
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 20 x 3 = 60 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 110 (A) 420 (B) Prevalence Index = B/A = 3.81
1. Rosa nutkana		20	[x]	FAC	
2.					
3.					
4.					
5.					
		20	=Total Cover		
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	[x]	FACU	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		60	=Total Cover		
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes [] No [x]
1.					
2.					
			=Total Cover		
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

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SOIL

Sampling Point: WTP 13**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 - 12	10YR 4/3	100					Silty Clay Loam	
12 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)****Indicators for Problematic Hydric Soils³:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present?Yes ☒No ☐

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
☐ High Water Table (A2)	☐ Salt Crust (B11)
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	
☐ Sparsely Vegetated Concave Surface (B8)	

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:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers		OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)			
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis	Sampling Date: 2025-11-12		
Applicant/Owner: TCI		State: Washington	Sampling Point: WTP 14		
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):	Slope (%): 0-5		
Subregion (LRR/MLRA):		Lat:	Long: Datum: NAD83_2011		
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒		Is the Sampled Area within a Wetland? Yes ☐ No ☒			
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 25.00 (A/B)
1. Pseudotsuga menziesii		20	☒	FACU	
2. Pinus monticola		10	☒	FACU	
3.					
4.					
		30	=Total Cover		
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 20 x 3 = 60 FACU species 90 x 4 = 360 UPL species 0 x 5 = 0 Column Totals: 110 (A) 420 (B) Prevalence Index = B/A = 3.81
1. Rosa nutkana		20	☒	FAC	
2.					
3.					
4.					
5.					
		20	=Total Cover		
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	☒	FACU	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		60	=Total Cover		
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
			=Total Cover		
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

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SOIL

Sampling Point: WTP 14

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 - 12	10YR 4/3	100					Silty Clay Loam	
12 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)	Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	
☐ Thick Dark Surface (A12)	
☐ Iron Monosulfide (A18)	
☐ Sandy Mucky Mineral (S1)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)	
☐ 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)	

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

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes ☒ No ☐
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Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (2 or more required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	☐ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
☐ High Water Table (A2)	☐ Salt Crust (B11)	☐ Drainage Patterns (B10)	
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Geomorphic Position (D2)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Shallow Aquitard (D3)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)	
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)	☐ Raised Ant Mounds (D6) (LRR A)	
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)	☐ Frost-Heave Hummocks (D7)	
☐ Inundation Visible on Aerial Imagery (B7)			
☐ Sparsely Vegetated Concave Surface (B8)			

Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): _____ Water Table Present? Yes ☐ No ☒ Depth (inches): _____ Saturation Present? Yes ☐ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
---	---

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

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-COR					
Project/Site: 149 Mattson Road		City/County: Centralia / Lewis		Sampling Date: 2025-11-12	
Applicant/Owner: TCI		State: Washington		Sampling Point: WTP 15	
Investigator(s): Becky Rieger		Section, Township, Range: 34-15N-03W			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none):		Slope (%): 0-5	
Subregion (LRR/MLRA):		Lat:		Long:	
Datum: NAD83_2011					
Soil Map Unit Name: Reed Silty Clay		NWI classification: N/A			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ☐ No ☒			Is the Sampled Area within a Wetland? Yes ☐ No ☒		
Hydric Soil Present? Yes ☒ No ☐					
Wetland Hydrology Present? Yes ☐ No ☒					
Remarks: Site is does not meet criteria.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 25.00 (A/B)
1. Pseudotsuga menziesii		30	☒	FACU	
2. Pinus monticola		20	☒	FACU	
3.					
4.					
		50 =Total Cover			
Sapling/Shrub Stratum (Plot size: 5 ft r)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 110 x 4 = 440 UPL species 0 x 5 = 0 Column Totals: 120 (A) 470 (B) Prevalence Index = B/A = 3.91
1. Rosa nutkana		10	☒	FAC	
2.					
3.					
4.					
5.					
		10 =Total Cover			
Herb Stratum (Plot size: 5 ft r)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations 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.
1. Dactylis glomerata		60	☒	FACU	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		60 =Total Cover			
Woody Vine Stratum (Plot size: 30 ft r)					Hydrophytic Vegetation Present? Yes ☐ No ☒
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum					
Remarks: Vegetation does not meet criteria					

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SOIL

Sampling Point: WTP 15

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 - 12	10YR 4/3	100					Silty Clay Loam	
12 - 20	10YR 5/2	80	10YR 6/6	20	RM	M	Silty Clay Loam	
-								
-								
-								
-								
-								

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.)	Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Other (Explain in Remarks)
☒ Depleted Below Dark Surface (A11)	
☐ Thick Dark Surface (A12)	
☐ Iron Monosulfide (A18)	
☐ Sandy Mucky Mineral (S1)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)	
☐ 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)	

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

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes ☒ No ☐
---	---

Remarks:

Soil has evidence of being hydric as mottling is present in the profile as is expected in this soil series.

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (2 or more required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	☐ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
☐ High Water Table (A2)	☐ Salt Crust (B11)	☐ Drainage Patterns (B10)	
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Geomorphic Position (D2)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Shallow Aquitard (D3)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)	
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)	☐ Raised Ant Mounds (D6) (LRR A)	
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)	☐ Frost-Heave Hummocks (D7)	
☐ Inundation Visible on Aerial Imagery (B7)			
☐ Sparsely Vegetated Concave Surface (B8)			

Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): _____ Water Table Present? Yes ☐ No ☒ Depth (inches): _____ Saturation Present? Yes ☐ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Aerial Photos / Previous Inspections of the site

Remarks:

Hydrology is no present on the site.

Credentials

Becky Rieger

Home Address:
2041 Little Hanford Road
Centralia, WA 98531

Phone: (360) 219-3343

Education

Bachelors Degree In Environmental Science
Southern New Hampshire University
Currently Achieving

Associates Degree in Arts
Centralia Community College
Date of Graduation: June 2007
Centralia, Washington

Associates Degree in Applied Science
Major in Geographic Information Systems
Grays Harbor Community College
Date of Graduation: June 2002
Aberdeen, Washington

Continuing Education / Awards / Organizations

Coastal Training Program

- Certificate in Using the Revised Wetland Rating System (2014) (2017) (2025)
- Certificate in Identifying Hydric Soils (2012)
- Certificate in Using the Revised Wetland Rating System (2007)

Oregon State University (2006)

- Certificate in Soil Identification

Portland State University Wetland Program (2006)

- Certificate in Wetland Delineation Course
- Certificate in Advanced Hydric Soils and Hydrology Course
- Certificate in Hydrophytic Vegetation Identification Course

Licensed On-Site Wastewater Designer (2009-Current) License # 5100369

Olympia Master Builders

- Lewis County Chapter Vice President (2011- 2023)
- Olympia Master Builders Associate Vice President (2019-2020)
- Olympia Master Builders First Vice President (2021- 2022)
- Olympia Master Builders President (2023)

Washington On-Site Sewage Association

- SW Washington Designer Rep. (2018 – Current)

Professional Experience

Licensed Designer / Wetland Specialist / Owner May 5, 2010 - Current
Environmental Design, LLC

- Complete Site and Soil Evaluations, Site Consultations, Topography Field Work
- Complete Septic Designs and mapping projects using MicroSurvey
- Complete Wetland and Critical Area Reports per regulations in multiple jurisdictions
- Perform presentations to educate people about wetlands and septic systems

Assistant Designer / Wetland Specialist Feb. 24, 2005 – Oct. 30, 2007
Goode & Associates Supervisor: Jeannie Yackley

- Complete designs of on-site wastewater designs for county submittal
- Communicate with county regulators, installers, and clients
- Conduct wetland determinations, delineations, mitigations and consultations
- Research projects, apply for permits, and conduct final inspections
- Perform presentations to educate people about wetlands and septic systems

Wetland Mentors:

Name	Company	Mentor Dates
Tim Haderly	ELS & Loowit	2006 – Current
Greg Jones	Forest Pro	2015 – Current
Curtis Wambach	EnvirVector	2025 – Current