



# WASHINGTON STATE

## Joint Aquatic Resources Permit Application (JARPA) Form<sup>1,2</sup>

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.



US Army Corps of Engineers  
Seattle District

AGENCY USE ONLY

Date received:

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

### Part 1—Project Identification

<b>1. Project Name</b> (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development)
Carla Morgan and Randy Huft Terrace Landscape Project

### Part 2—Applicant

The person and/or organization responsible for the project.

<b>2a. Name</b> (Last, First, Middle)			
Morgan Carla & Randy Huft			
<b>2b. Organization</b> (If applicable)			
None			
<b>2c. Mailing Address</b> (Street or PO Box)			
412 Island Aire Drive			
<b>2d. City, State, Zip</b>			
Woodland, Washington 98674			
<b>2e. Phone</b> (1)	<b>2f. Phone</b> (2)	<b>2g. Fax</b>	<b>2h. E-mail</b>
360-823-3788			<a href="mailto:carlamorgan8@yahoo.com">carlamorgan8@yahoo.com</a>

<sup>1</sup> Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

<sup>2</sup> To access an online JARPA form with [help] screens, go to

[http://www.epermitting.wa.gov/site/alias\\_resourcecenter/jarpa\\_jarpa\\_form/9984/jarpa\\_form.aspx](http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx).

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or [help@oria.wa.gov](mailto:help@oria.wa.gov).

### Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

<b>3a.</b> Name (Last, First, Middle)			
Perleberg Brian, Lee			
<b>3b.</b> Organization (If applicable)			
Northern Resource Consulting, Inc.			
<b>3c.</b> Mailing Address (Street or PO Box)			
1339 Commerce Ave #309b			
<b>3d.</b> City, State, Zip			
Longview, WA 98632			
<b>3e.</b> Phone (1)	<b>3f.</b> Phone (2)	<b>3g.</b> Fax	<b>3h.</b> E-mail
(360) 414-5239	(360) 721-5446	(360) 414-4021	bperleberg@nrcenv.net

### Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.
- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete [JARPA Attachment E](#) to apply for the Aquatic Use Authorization.

<b>4a.</b> Name (Last, First, Middle)			
<b>4b.</b> Organization (If applicable)			
<b>4c.</b> Mailing Address (Street or PO Box)			
<b>4d.</b> City, State, Zip			
<b>4e.</b> Phone (1)	<b>4f.</b> Phone (2)	<b>4g.</b> Fax	<b>4h.</b> E-mail

## Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

**5a.** Indicate the type of ownership of the property. (Check all that apply.) [\[help\]](#)

- Private  
 Federal  
 Publicly owned (state, county, city, special districts like schools, ports, etc.)  
 Tribal  
 Department of Natural Resources (DNR) – managed aquatic lands (Complete [JARPA Attachment E](#))

**5b.** Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [\[help\]](#)

412 Island Aire Drive

**5c.** City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [\[help\]](#)

Woodland, Washington 98674

**5d.** County [\[help\]](#)

Clark County

**5e.** Provide the section, township, and range for the project location. [\[help\]](#)

¼ Section	Section	Township	Range
SE	24	5 North	1 West

**5f.** Provide the latitude and longitude of the project location. [\[help\]](#)

- Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)

45.899154° / -122.745224°

**5g.** List the tax parcel number(s) for the project location. [\[help\]](#)

- The local county assessor's office can provide this information.

64515016

**5h.** Contact information for all adjoining property owners. (If you need more space, use [JARPA Attachment C.](#)) [\[help\]](#)

Name	Mailing Address	Tax Parcel # (if known)
BRUCE CAROLYN & WHITE SHIRLEY ANN	424 ISLAND AIRE DR, WOODLAND, WA 98674	64515028
MARTHA WANSTRUM	Physical: 364 ISLAND AIRE DR, WOODLAND, WA 98674 Mailing: 13909 NW 10TH CT VANCOUVER WA , 98685	64515014

<b>5i.</b> List all wetlands on or adjacent to the project location. <a href="#">[help]</a>
Horseshoe Lake is classified as a L1UBH = Lacustrine, Limnetic, Unconsolidated Bottom, Permanently Flooded and south of property is a PFOA = Palustrine Forested Wetland approximately 185 away (Map 3). Source: USFWS Cowardin Classification System of Wetlands 1979.
<b>5j.</b> List all waterbodies (other than wetlands) on or adjacent to the project location. <a href="#">[help]</a>
Horse Shoe Lake
<b>5k.</b> Is any part of the project area within a 100-year floodplain? <a href="#">[help]</a>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know
<b>5l.</b> Briefly describe the vegetation and habitat conditions on the property. <a href="#">[help]</a>
Mowed landscaped lawn with ornamental bushes and several large diameter trees: western red cedar, black cottonwood, oak, cherry.
<b>5m.</b> Describe how the property is currently used. <a href="#">[help]</a>
The property consist of a 4 bedroom 3 bath 3,513 soft single family resident home on a 10,454 SF lot with a northern property border of adjacent to Horseshoe Lake. A preexisting block wall is located at the edge of the property where it meets the shoreline. Current Use: Single Family Residential.
<b>5n.</b> Describe how the adjacent properties are currently used. <a href="#">[help]</a>
Single Family Residential
<b>5o.</b> Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. <a href="#">[help]</a>
The property consist of a 4 bedroom 3 bath 3,513 soft single family resident home on a 10,454 SF lot with a northern property border of adjacent to Horseshoe Lake. A preexisting block wall is located at the edge of the property where it meets the shoreline of Horseshoe Lake. A gazebo/hot tub has been demolished. House is served with normal utilities: water, electricity, and active functional septic system.
<b>5p.</b> Provide driving directions from the closest highway to the project location, and attach a map. <a href="#">[help]</a>
From i5 north Take exit 21 for WA-503 E toward Woodland/Cougar Take Lakeshore Dr to Island Aire Dr in Clark County Turn left onto WA-503 N/Lewis River Road Turn left onto Lakeshore Drive Turn right onto Island Aire Drive

## Part 6–Project Description

<b>6a.</b> Briefly summarize the overall project. You can provide more detail in 6b. <a href="#">[help]</a>
Carla Morgan and Randy Huft propose building a block terraced wall, stairs and landscaping project adjacent to Horseshoe Lake along north end of their property 412 Island Aire Drive, Woodland, Washington 98674

**6b.** Describe the purpose of the project and why you want or need to perform it. [\[help\]](#)

The project consists of construction of four terraced block walls 100 feet in length with a total width of 30 feet along the north end of the property line adjacent to Horseshoe Lake. 18 inches vertically will be added to the pre-existing block wall

Increasing the size and structure of the block wall on the property will serve to further fortify the bank and soil of the residential property as well as adding an esthetic appeal and increasing safe access to the waterfront without degrading structural integrity of the shoreline.

**6c.** Indicate the project category. (Check all that apply) [\[help\]](#)

- Commercial       Residential       Institutional       Transportation       Recreational  
 Maintenance       Environmental Enhancement

**6d.** Indicate the major elements of your project. (Check all that apply) [\[help\]](#)

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Aquaculture          | <input type="checkbox"/> Culvert              | <input type="checkbox"/> Float               | <input checked="" type="checkbox"/> Retaining Wall (upland) |
| <input type="checkbox"/> Bank Stabilization   | <input type="checkbox"/> Dam / Weir           | <input type="checkbox"/> Floating Home       | <input type="checkbox"/> Road                               |
| <input type="checkbox"/> Boat House           | <input type="checkbox"/> Dike / Levee / Jetty | <input type="checkbox"/> Geotechnical Survey | <input type="checkbox"/> Scientific Measurement Device      |
| <input type="checkbox"/> Boat Launch          | <input type="checkbox"/> Ditch                | <input type="checkbox"/> Land Clearing       | <input type="checkbox"/> Stairs                             |
| <input type="checkbox"/> Boat Lift            | <input type="checkbox"/> Dock / Pier          | <input type="checkbox"/> Marina / Moorage    | <input type="checkbox"/> Stormwater facility                |
| <input type="checkbox"/> Bridge               | <input type="checkbox"/> Dredging             | <input type="checkbox"/> Mining              | <input type="checkbox"/> Swimming Pool                      |
| <input type="checkbox"/> Bulkhead             | <input type="checkbox"/> Fence                | <input type="checkbox"/> Outfall Structure   | <input type="checkbox"/> Utility Line                       |
| <input type="checkbox"/> Buoy                 | <input type="checkbox"/> Ferry Terminal       | <input type="checkbox"/> Piling/Dolphin      |   |
| <input type="checkbox"/> Channel Modification | <input type="checkbox"/> Fishway              | <input type="checkbox"/> Raft                |   |

Other:

**6e.** Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [\[help\]](#)

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

### SCOPE OF WORK

The project consists of construction of four terraced block walls 100 feet in length with a total width of 30 feet along the north end of the property line adjacent to Horseshoe Lake (Figure 1). Currently there is an existing block wall where the applicant plans to add 18 inches vertically to this block wall. A railroad tie planter or revetment existed along with 4-6 truckloads of garbage the shoreline is a place of deposition for garbage and plastic debris originating from lake users. It is anticipated that the majority of the work will occur during the drier summer months when anticipated rainfall should be minimal. All environmental BMP's will be installed prior to any work activities.

**100% of the work landscape work elements are above the 100-Year Floodplain (El. 12.8 Ft. CRD = El. 16.87 Ft. NAVD 88). All work is above the 100 year floodplain / OHWM but within the City of Woodland shoreline zone (25 feet).**

### CONSTRUCTION PHASE SCHEDULE

Phase I. Remove existing gazebo (completed), remove brush consisting of ferns, and English ivy along the shoreline to expose soil for pouring the footings (Completed), pour concrete and install rebar guide system to stack block wall in a terrace format (75-80% Complete), remove western red cedar mid-slope that has multiple trunks (Not Complete), remove black cottonwood trees 10-inch diameter growing from existing block wall locations at Ordinary High Water Mark (Not Complete), install straw wattles per TESC Plan (Not Complete), remove existing stars going down west property line (Completed), preserve all trees on-site including the ones clumped on eastern property line (Complete).

Phase II. October 2022 Finish installation of block wall (20-25%), a small landing of concrete at each turn as the stairs alternating back and forth consisting of 4 ft. x 4 ft. landing (Not Completed), backfill between terrace with 3-way topsoil mix between terraces planters (Not Complete), install alternating stars from top of slope down to water line (not Complete), re-deck the existing fixed dock platforms size 12 ft. by 10 ft. (Not complete) and Install plants along the planter terrace slope consisting of a mix of native and non-native plants which require minimal watering (Not Completed). The top of the lowest terrace will be a concrete walkway with 4 (3 ft. long and 10-inch wide) planters for native grasses (Not Completed). Remove all erosion control materials.

**6f.** What are the anticipated start and end dates for project construction? (Month/Year) [\[help\]](#)

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Start Date: August 2022

End Date: November 2022

See JARPA Attachment D

**6g.** Fair market value of the project, including materials, labor, machine rentals, etc. [\[help\]](#)

\$65,000

**6h.** Will any portion of the project receive federal funding? [\[help\]](#)

- If yes, list each agency providing funds.

Yes  No  Don't know

## Part 7–Wetlands: Impacts and Mitigation

- Check here if there are wetlands or wetland buffers on or adjacent to the project area.  
(If there are none, skip to Part 8.) [\[help\]](#)

**7a.** Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [\[help\]](#)

Not applicable

The project takes place directly adjacent to Horseshoe Lake and possibly flood fringe wetlands associated with the shoreline below the existing block wall. Where abutments tie into the shoreline considered sensitive areas that may require delineation by a qualified professional to ensure the contractor crew is aware of these sensitive locations. High visibility safety fence will be used to protect sensitive areas including clumps of existing trees.

Applicant removed 6 truckloads of garbage from the shoreline to include foam, clastic, shoes, thongs, and existing planter constructed of railroad ties (known source of PAHs).

**7b.** Will the project impact wetlands? [\[help\]](#)

Yes  No  Don't know

**7c.** Will the project impact wetland buffers? [\[help\]](#)

Yes  No  Don't know

**7d.** Has a wetland delineation report been prepared? [\[help\]](#)

- If Yes, submit the report, including data sheets, with the JARPA package.

Yes  No / None

**7e.** Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [\[help\]](#)

- If Yes, submit the wetland rating forms and figures with the JARPA package.

Yes  No  Don't know

**7f.** Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [\[help\]](#)

- If Yes, submit the plan with the JARPA package and answer 7g.
- If No, or Not applicable, explain below why a mitigation plan should not be required.

Yes  No  Don't know

No wetlands have been identified besides Horseshoe Lake and another forested wetland located south of the house in the forested zone based on the NWI Map (Map 3).

**7g.** Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

Mitigation for the removal of 10-inch diameter Black Cottonwood the applicant will planting 3 (5-gallon) black cottonwood trees near the eastern property line where existing tree can protect from wind. One western red cedar (*Thuja plicata*) located along the mid-slope is proposed for removal. Applicant mitigation will include planting with 3 one gallon western red cedar trees along the eastern property line. These planting are all within the City of Woodland 25 Foot Shoreline Zone as measured perpendicular to ordinary high water.

**7h.** Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan.

Activity (fill, drain, excavate, flood, etc.)	Wetland Name <sup>1</sup>	Wetland type and rating category <sup>2</sup>	Impact area (sq. ft. or Acres)	Duration of impact <sup>3</sup>	Proposed mitigation type <sup>4</sup>	Wetland mitigation area (sq. ft. or acres)
None	None	None	0.00	0.00	Tree Replacement	0.00

<sup>1</sup> If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

<sup>2</sup> Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

<sup>3</sup> Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

<sup>4</sup> Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: None

**7i.** For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland.

No fill material will be placed in a wetland.

**7j.** For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed.

No excavating of any amount or type will be completed in any wetland.

## Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.)

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

**8a.** Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment.

Not applicable

Horseshoe Lake is adjacent to north end of the property. Applicant will install BMPs to preclude any sediment mobilizing into Horseshoe Lake.

Horseshoe Lake is a manmade recreational lake bordering Cowlitz and Clark County. All discharges will need to meet Class A water quality standards.

**100% of the work landscape work elements are above the 100-Year Floodplain (El. 12.8 Ft. CRD = El. 16.87 Ft. NAVD 88). All work is above the 100 year floodplain / OHWM but within the City of Woodland Shoreline Zone (25 feet).**

**8b.** Will your project impact a waterbody or the area around a waterbody?

Yes  No



**8c.** Have you prepared a mitigation plan to compensate for the project’s adverse impacts to non-wetland waterbodies? [\[help\]](#)

- If **Yes**, submit the plan with the JARPA package and answer 8d.
- If **No, or Not applicable**, explain below why a mitigation plan should not be required.

Yes     No     Don’t know

The project site is a residential lawn  
 Two trees will be removed during the project  
 No adverse impacts are to be expected but the possibility will be accounted for in the form of BMPs to protect the Lake as well as plantings of native plants and Hydroseeding grass seed to any disturbed areas  
 No in-water work will take place.

**8d.** Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [\[help\]](#)

Mitigation is proposed to recreate lost habitat values the existing trees serve. Along portions of the shoreline of Horseshoe Lake there are very few trees over near the park. If there exists a fund by the City of Woodland for contribution to street trees located near the shoreline the applicant would be interested.

Mitigation for the removal of 10-inch diameter Black Cottonwood the applicant will planting 3 (5-gallon) black cottonwood trees near the eastern property line where existing tree can protect from wind. One western red cedar (*Thuja plicata*) located along the mid-slope is proposed for removal. Applicant mitigation will include planting with 3 one gallon western red cedar trees along the eastern property line. These planting are all within the City of Woodland 25 Foot Shoreline Zone as measured perpendicular to ordinary high water.

**8e.** Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name <sup>1</sup>	Impact location <sup>2</sup>	Duration of impact <sup>3</sup>	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Clearing	Adjacent to Horseshoe Lake (1-10 feet away)	Shoreline Zone	Permanent	Western Red Cedar and Cottonwood Tree Not in the Horseshoe Lake. 0.0 CY	0.0 SF

<sup>1</sup> If no official name for the waterbody exists, create a unique name (such as “Stream 1”) The name should be consistent with other documents provided.

<sup>2</sup> Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

<sup>3</sup> Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter “permanent” if applicable.

**8f.** For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [\[help\]](#)

The two trees are along the shoreline which root systems and canopy may contribute leaf litter to Horseshoe Lake. Nothing will be placed into the water. All remaining trees will be protected.

**8g.** For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [\[help\]](#)

No excavation or dredging is necessary.

## Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

<b>9a.</b> If you have already worked with any government agencies on this project, list them below. <a href="#">[help]</a>			
Agency Name	Contact Name	Phone	Most Recent Date of Contact
<b>9b.</b> Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• If <b>Yes</b>, list the parameter(s) below.</li> <li>• If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: <a href="https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Assessment-of-state-waters-303d">https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Assessment-of-state-waters-303d</a>.</li> </ul>			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Not Applicable.			
<b>9c.</b> What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• Go to <a href="http://cfpub.epa.gov/surf/locate/index.cfm">http://cfpub.epa.gov/surf/locate/index.cfm</a> to help identify the HUC.</li> </ul>			
HUC 170800			
<b>9d.</b> What Water Resource Inventory Area Number (WRIA #) is the project in? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• Go to <a href="https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-availability/Watershed-look-up">https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-availability/Watershed-look-up</a> to find the WRIA #.</li> </ul>			
WIRA 27			
<b>9e.</b> Will the in-water construction work comply with the State of Washington water quality standards for turbidity? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• Go to <a href="https://ecology.wa.gov/Water-Shorelines/Water-quality/Freshwater/Surface-water-quality-standards/Criteria">https://ecology.wa.gov/Water-Shorelines/Water-quality/Freshwater/Surface-water-quality-standards/Criteria</a> for the standards.</li> </ul>			
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not applicable			
<b>9f.</b> If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• If you don't know, contact the local planning department.</li> <li>• For more information, go to: <a href="https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-laws-rules-and-cases">https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-laws-rules-and-cases</a>.</li> </ul>			
<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Natural <input type="checkbox"/> Aquatic <input type="checkbox"/> Conservancy <input type="checkbox"/> Other: _____			
<b>9g.</b> What is the Washington Department of Natural Resources Water Type? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• Go to <a href="http://www.dnr.wa.gov/forest-practices-water-typing">http://www.dnr.wa.gov/forest-practices-water-typing</a> for the Forest Practices Water Typing System.</li> </ul>			
<input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Fish <input type="checkbox"/> Non-Fish Perennial <input type="checkbox"/> Non-Fish Seasonal			
<b>9h.</b> Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• If <b>No</b>, provide the name of the manual your project is designed to meet.</li> </ul>			

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Name of manual: <u>None although a TESC Plan was developed the construction area / zone is 4,400 SF</u>
<b>9i.</b> Does the project site have known contaminated sediment? <a href="#">[help]</a> <ul style="list-style-type: none"><li>• <b>If Yes</b>, please describe below.</li></ul>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
None
<b>9j.</b> If you know what the property was used for in the past, describe below. <a href="#">[help]</a>
Residential
<b>9k.</b> Has a cultural resource (archaeological) survey been performed on the project area? <a href="#">[help]</a> <ul style="list-style-type: none"><li>• <b>If Yes</b>, attach it to your JARPA package.</li></ul>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No / None

**9l.** Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

None it is our understanding the Washington Department of Fish and Wildlife plants hatchery fish in Horseshoe Lake along with warm water fish species. No ESA-listed Species are present.

**9m.** Name each species or habitat on the Washington Department of Fish and Wildlife’s Priority Habitats and Species List that might be affected by the proposed work. [\[help\]](#)

WDFW PHS Map (attached)  
1) Oak Woodland - City of Woodland Oak Woodland Flag  
2) Big Brown Bat (*Eptesicus fuscus*) – *Sensitive*.

Neither the Oak Tree or Brown bat habitat will be affected by the terrace landscape project located at 412 Island Aire Drive in Woodland, Washington.

**Part 10–SEPA Compliance and Permits**

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.oria.wa.gov/opus/>.
- Governor’s Office for Regulatory Innovation and Assistance at (800) 917-0043 or [help@oria.wa.gov](mailto:help@oria.wa.gov).
- For a list of addresses to send your JARPA to, click on [agency addresses for completed JARPA](#).

**10a.** Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [\[help\]](#)  
• For more information about SEPA, go to <https://ecology.wa.gov/regulations-permits/SEPA-environmental-review>.

- A copy of the SEPA determination or letter of exemption is included with this application.
- A SEPA determination is pending with \_\_\_\_\_ (lead agency). The expected decision date is \_\_\_\_\_.
- I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [\[help\]](#)
- This project is exempt (choose type of exemption below).
  - Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?  
\_\_\_\_\_
  - Other: \_\_\_\_\_
- SEPA is pre-empted by federal law.

**10b.** Indicate the permits you are applying for. (Check all that apply.) [\[help\]](#)

- LOCAL GOVERNMENT**
- Local Government Shoreline permits:**
- Substantial Development     Conditional Use     Variance
  - Shoreline Exemption Type (explain): \_\_\_\_\_
- Other City/County permits:**
- Floodplain Development Permit     Critical Areas Ordinance
- STATE GOVERNMENT**

**Washington Department of Fish and Wildlife:**

- Hydraulic Project Approval (HPA)     Fish Habitat Enhancement Exemption – [Attach Exemption Form](#)

**Washington Department of Natural Resources:**

- Aquatic Use Authorization

Complete [JARPA Attachment E](#) and submit a check for \$25 payable to the Washington Department of Natural Resources.

**Do not send cash.**

**Washington Department of Ecology:**

- Section 401 Water Quality Certification     Non-Federally Regulated Waters

**FEDERAL AND TRIBAL GOVERNMENT**

**United States Department of the Army (U.S. Army Corps of Engineers):**

- Section 404 (discharges into waters of the U.S.)     Section 10 (work in navigable waters)

**United States Coast Guard:**

For projects or bridges over waters of the United States, contact the U.S. Coast Guard at: [d13-pf-d13bridges@uscg.mil](mailto:d13-pf-d13bridges@uscg.mil)

- Bridge Permit     Private Aids to Navigation (or other non-bridge permits)

**United States Environmental Protection Agency:**

- Section 401 Water Quality Certification (discharges into waters of the U.S.) on tribal lands where tribes do not have treatment as a state (TAS)

**Tribal Permits:** (Check with the tribe to see if there are other tribal permits, e.g., Tribal Environmental Protection Act, Shoreline Permits, Hydraulic Project Permits, or other in addition to CWA Section 401 WQC)

- Section 401 Water Quality Certification (discharges into waters of the U.S.) where the tribe has treatment as a state (TAS).

## Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

### 11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. CM (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. CM (initial)

Carla Morgan Applicant Printed Name      Carla Morgan Applicant Signature      7.25.22 Date

### 11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Brian L. Perleberg Authorized Agent Printed Name      Brian Perleberg Authorized Agent Signature      07/25/2022 Date

### 11c. Property Owner Signature (if not applicant) [\[help\]](#)

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

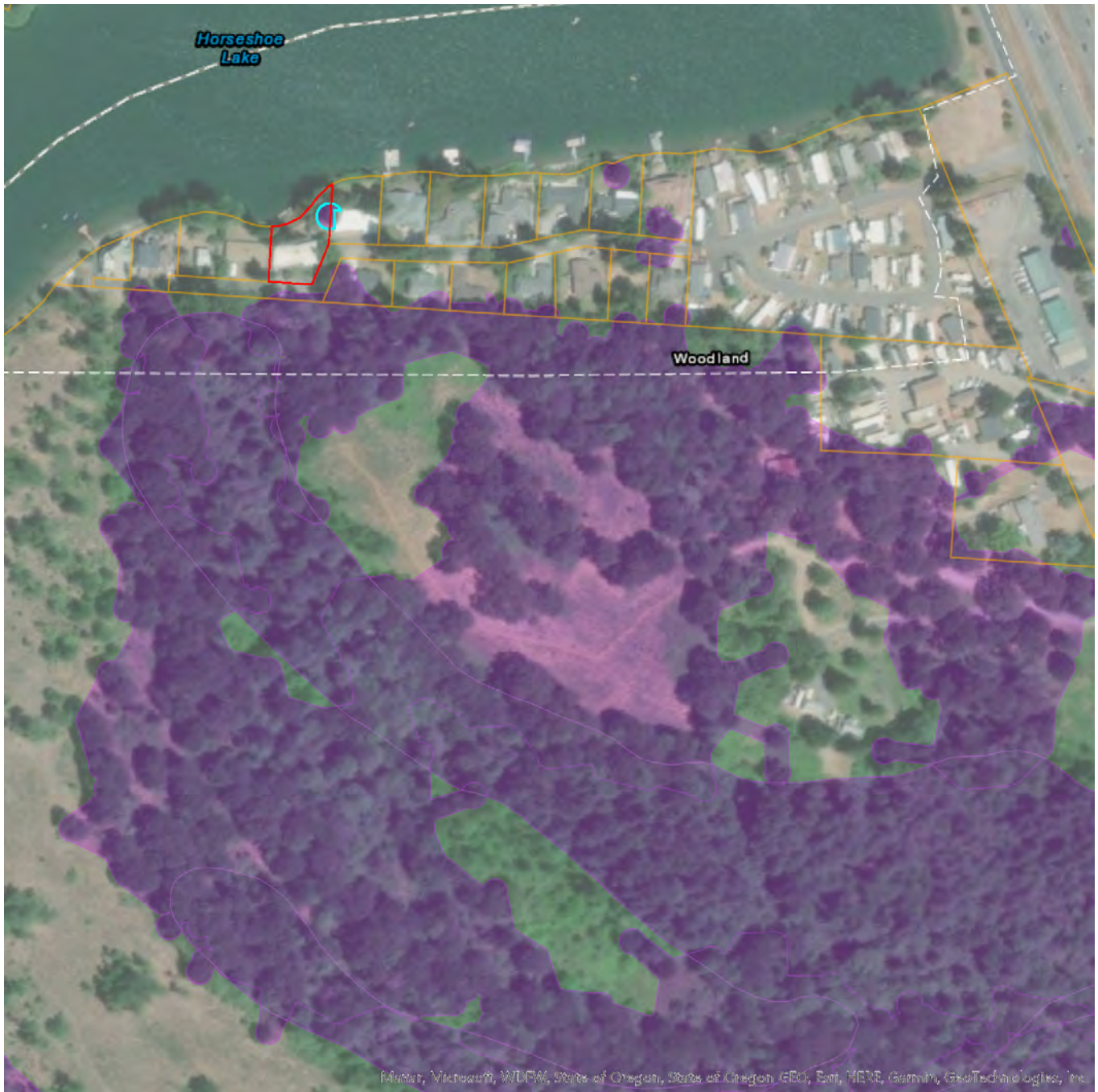
Carla Morgan Property Owner Printed Name      Carla Morgan Property Owner Signature      7.25.22 Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-011 rev. 09/2018



# Priority Habitats and Species on the Web



Report Date: 07/25/2022, Parcel ID: [64515016](#)

## PHS Species/Habitats Overview:

Occurrence Name	Federal Status	State Status	Sensitive Location
Oak Woodland	N/A	N/A	No
Big brown bat	N/A	N/A	Yes

## PHS Species/Habitats Details:

Oak Woodland	
Priority Area	Habitat Feature
Site Name	City of Woodland Oak Woodland Flag
Accuracy	NA
Notes	General location of Oak Woodlands. Confirm or refute with site-scale info. WDFW recommends using site-scale info to inform site-scale land use decisions. Expect that on-the-ground conditions (e.g., boundaries) will vary from the map.
Source Record	920887
Source Name	Folkerts, Keith WDFW
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	<a href="http://wdfw.wa.gov/publications/pub.php?id=00030">http://wdfw.wa.gov/publications/pub.php?id=00030</a>
Geometry Type	Polygons

Big brown bat	
Scientific Name	<i>Eptesicus fuscus</i>
Notes	This polygon mask represents one or more records of the above species or habitat occurrence. Contact PHS Data Release (360-902-2543) for obtaining information about masked sensitive species and habitats.
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	Y
SGCN	N
Display Resolution	TOWNSHIP
ManagementRecommendations	<a href="http://wdfw.wa.gov/publications/pub.php?id=00605">http://wdfw.wa.gov/publications/pub.php?id=00605</a>

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.



**SITE PHOTOGRAPHS EXISTING CONDITIONS  
BEFORE ANY CONSTRUCTION**

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***Environmental Services***  
**1339 Commerce Avenue, Suite 309B**  
**Longview, Washington 98632**  
**Phone (360) 414-5239**

---



STIMAN  
NWMLS





44 NWMLS

44 IN W MILLS





44 REALTORS



NWMLS







44 NWMLS

**PHOTOGRAPHS AFTER CONSTRUCTION**  
**July 2022**

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Site Photographs of Shoreline after Block Wall Construction 2022



Site Photographs of Shoreline after Block Wall Construction 2022



Site Photographs of Shoreline after Block Wall Construction 2022



Site Photographs of Shoreline after Block Wall Construction 2022



Site Photographs of Shoreline after Block Wall Construction 2022



## Figures

**Figure 1. Site Plan & Equipment Staging Area (412 Island Aire Drive  
Woodland, Washington 98674)**

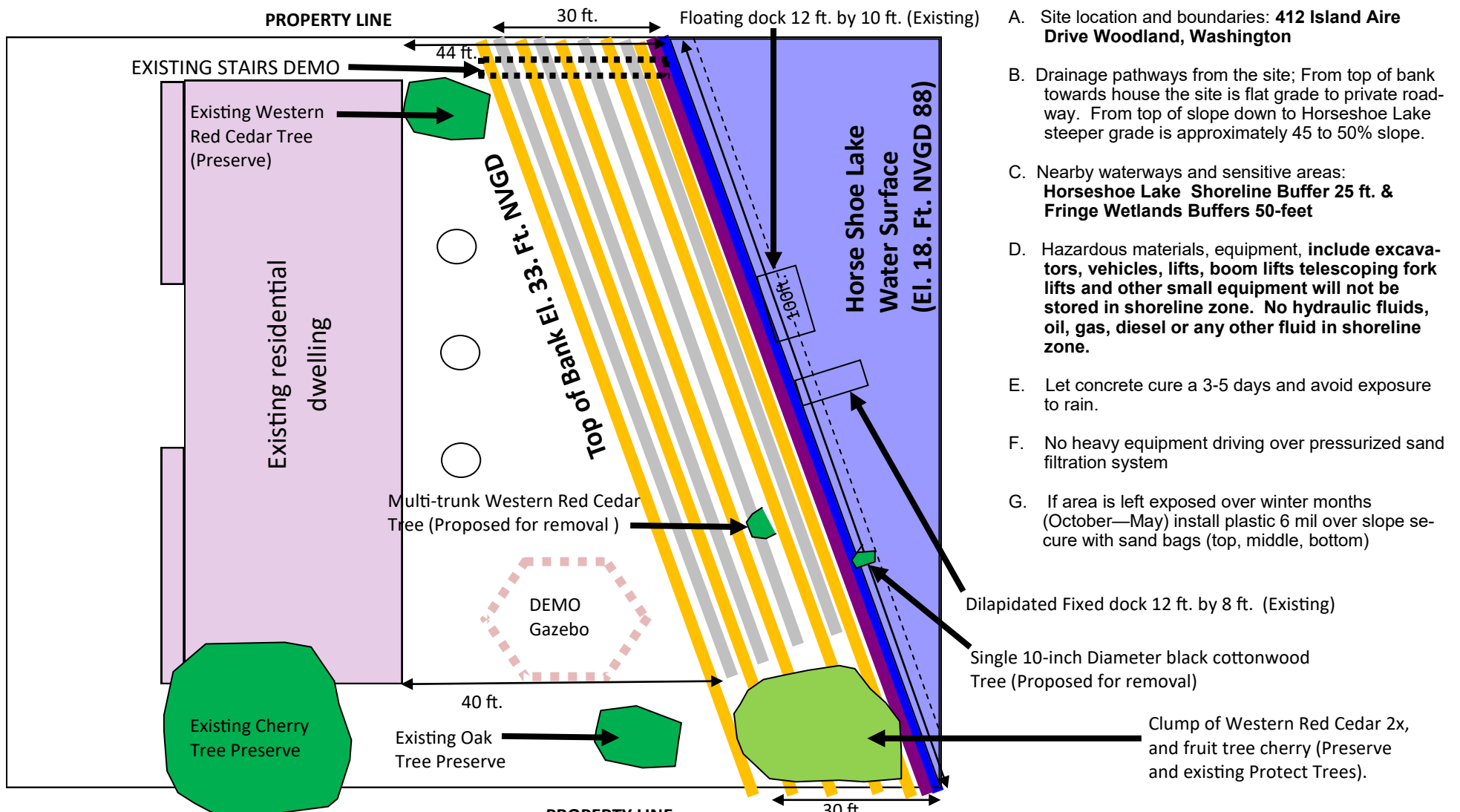
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**Figure 1. Site Plan & Equipment Staging Area (412 Island Aire Drive Woodland, Washington 98674)**



- A. Site location and boundaries: **412 Island Aire Drive Woodland, Washington**
- B. Drainage pathways from the site; From top of bank towards house the site is flat grade to private roadway. From top of slope down to Horseshoe Lake steeper grade is approximately 45 to 50% slope.
- C. Nearby waterways and sensitive areas: **Horseshoe Lake Shoreline Buffer 25 ft. & Fringe Wetlands Buffers 50-feet**
- D. Hazardous materials, equipment, include excavators, vehicles, lifts, boom lifts telescoping fork lifts and other small equipment will not be stored in shoreline zone. No hydraulic fluids, oil, gas, diesel or any other fluid in shoreline zone.
- E. Let concrete cure a 3-5 days and avoid exposure to rain.
- F. No heavy equipment driving over pressurized sand filtration system
- G. If area is left exposed over winter months (October—May) install plastic 6 mil over slope secure with sand bags (top, middle, bottom)

Dilapidated Fixed dock 12 ft. by 8 ft. (Existing)

Single 10-inch Diameter black cottonwood Tree (Proposed for removal)

Clump of Western Red Cedar 2x, and fruit tree cherry (Preserve and existing Protect Trees).

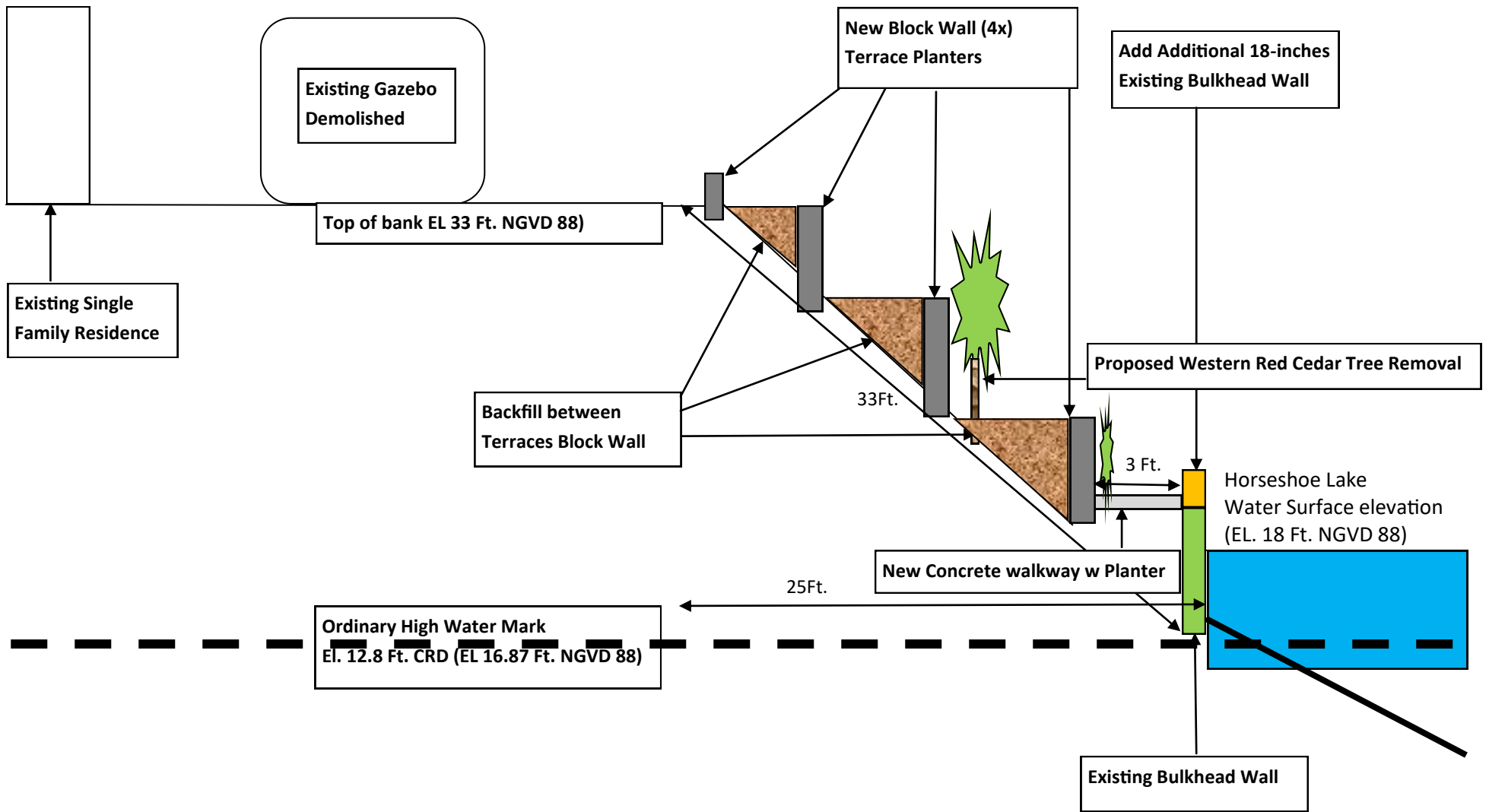
○ Existing Sand Mount Septic System Pressurized

**PROPERTY LINE**  
 Note: Shoreline Table B-4. Reach-Based Riparian Habitat Areas (RHA) for Shoreline Waters Map W-06 25 ft.  
 - - - - - OHW On Horseshoe Lake = EL. 12.8 Ft. CRD (El. 16.87 Ft. NGVD 88)

- █ New Block Wall
- █ Trees Present On-site
- █ Straw wattles staked down
- █ Pre-Existing Block Wall (proposed add 18-inches vertically)

Client: Carla Morgan and Randy Huft Unauthorized Work in Critical Area and Shoreline Zone Date: 07/19/2022 Map: TESC Plan Location: Woodland, Washington Address: 412 Island Aire Drive Parcel No. 64515016	Northern Resource Consulting, Inc. ENVIRONMENTAL SERVICES 1339 Commerce Ave., Suite 309B Longview, WA 98632 Phone: (360) 414-5239 Fax: (360) 414-4021
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**Figure 2. Cross-section Terrace Bank Planter 412 Island Aire Driver Woodland, WA 98674**



**Applicant: Carla Morgan and Randy Huft**  
**Location: 412 Island Aire Drive Woodland, Washington 98674**  
**JARPA Cross-section of New Block Terrace Wall along Shoreline**  
**Date: July 26, 2022**

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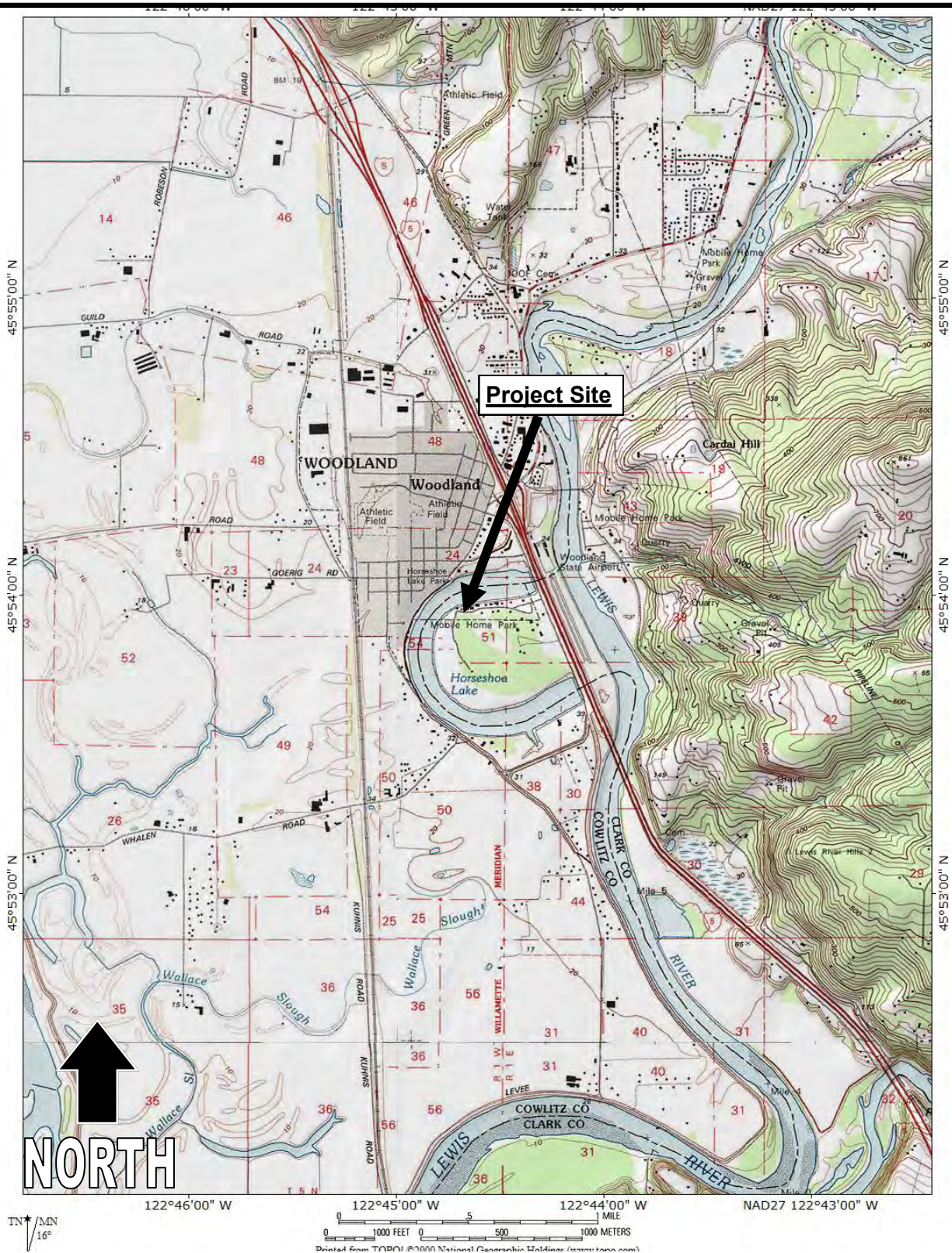
# MAPS

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**Phone (360) 414-5239**

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# Map 1. Vicinity Map US Geologic Service 7.5-minute Woodland, WA



**Applicant: Carla Morgan and Randy Huft**  
**JARPA City of Woodland**  
**Location: 412 Island Aire Drive,**  
**Woodland WA**  
**Page 1 of 7**  
**Date: July 25, 2022**

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**Fax: (360)414-4021**

## Map 2. Satellite Image (Google Earth)



**Applicant: Carla Morgan and Randy Huft**  
**JARPA City of Woodland**  
**Location: 412 Island Aire Drive,**  
**Woodland WA**  
**Page 2 of 7**  
**Date: July 25, 2022**

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# Map 3. National Wetland Inventory Map



412 Island Aire Drive, Woodland



July 15, 2022

- |                                |                                   |          |
|--------------------------------|-----------------------------------|----------|
| <b>Wetlands</b>                | Freshwater Emergent Wetland       | Lake     |
| Estuarine and Marine Deepwater | Freshwater Forested/Shrub Wetland | Other    |
| Estuarine and Marine Wetland   | Freshwater Pond                   | 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.

National Wetlands Inventory (NWI)  
This page was produced by the NWI mapper

**Applicant: Carla Morgan and Randy Huft**  
**JARPA City of Woodland**  
**Location: 412 Island Aire Drive,**  
**Woodland WA**  
**Page 3 of 7**  
**Date: July 25, 2022**

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**Fax: (360)414-4021**

# Map 4. FEMA FIRMette

## National Flood Hazard Layer FIRMette



122°45'1"W 45°54'10"N



### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
  - Without Base Flood Elevation (BFE) Zone A, V, AD9
  - With BFE or Depth Zone AE, AO, AH, VE, AR
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD**
  - 0.2% Annual Chance Flood Hazard. Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
  - Future Conditions 1% Annual Chance Flood Hazard Zone X
  - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
  - Area with Flood Risk due to Levee Zone D
- OTHER AREAS**
  - NO SCREEN Area of Minimal Flood Hazard Zone X
  - Effective LOMRs
  - Area of Undetermined Flood Hazard Zone D
- GENERAL STRUCTURES**
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES**
  - Cross Sections with 1% Annual Chance
  - Water Surface Elevation
  - Coastal Transect
  - Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS**
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/15/2022 at 6:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

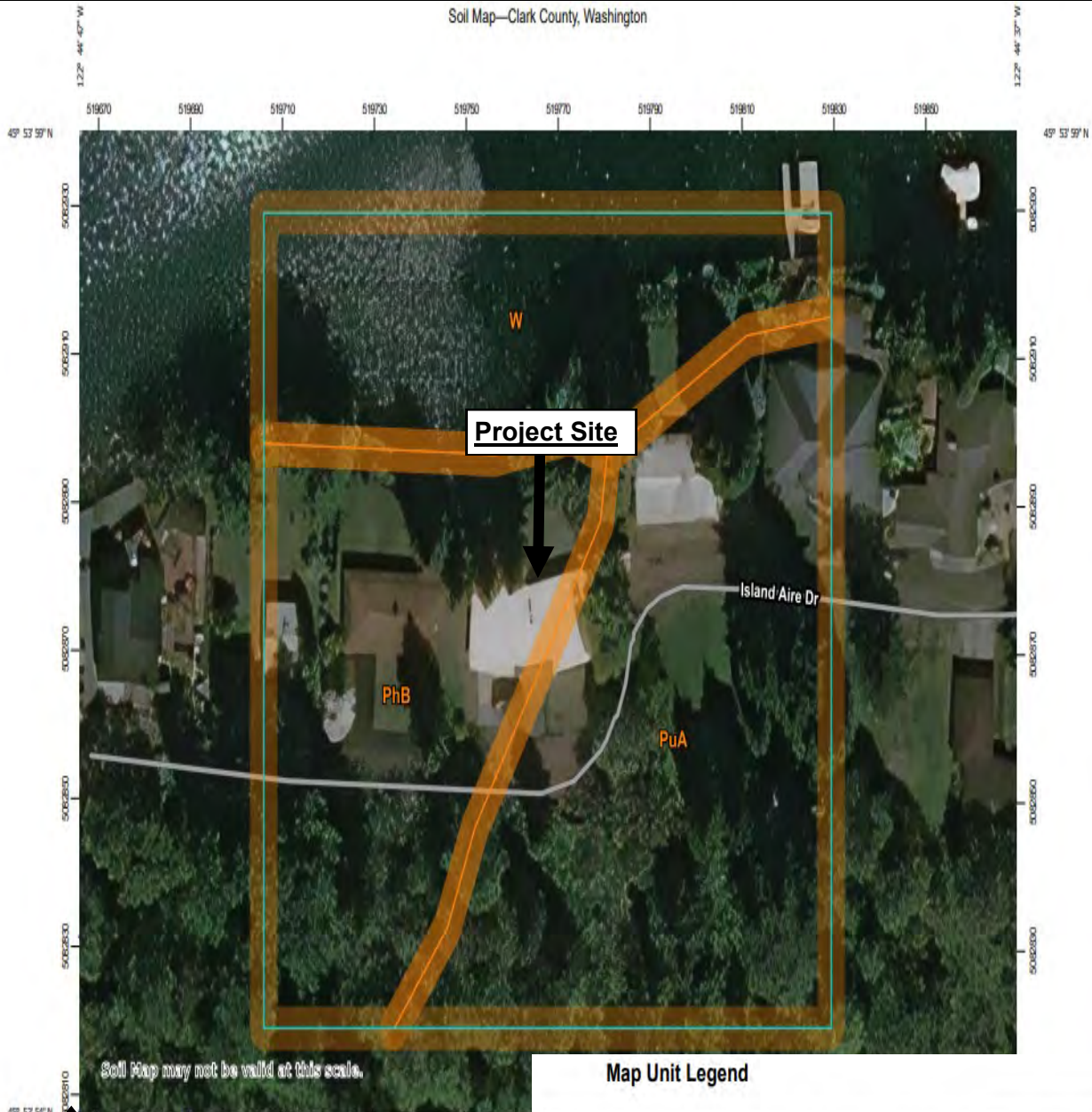
Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

**Applicant: Carla Morgan and Randy Huft**  
**JARPA City of Woodland**  
**Location: 412 Island Aire Drive,**  
**Woodland WA**  
**Page 4 of 7**  
**Date: July 25, 2022**

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# Map 5. USDA Soil Survey

Soil Map—Clark County, Washington



Soil Map may not be valid at this scale.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PhB	Pilchuck fine sand, 0 to 8 percent slopes	1.1	31.3%
PuA	Puyallup fine sandy loam, 0 to 3 percent slopes	1.5	43.8%
W	Water	0.8	25.0%
<b>Totals for Area of Interest</b>		<b>3.4</b>	<b>100.0%</b>

Map Scale: 1:932 if printed on A landscape (11" x 8.5") sheet.

0 10 20 40 60 Meters

0 45 90 180 270 Feet

projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

**NORTH**

**Applicant: Carla Morgan and Randy Huft**  
**JARPA City of Woodland**  
**Location: 412 Island Aire Drive,**  
**Woodland WA**  
**Page 5 of 7**  
**Date: July 25, 2022**

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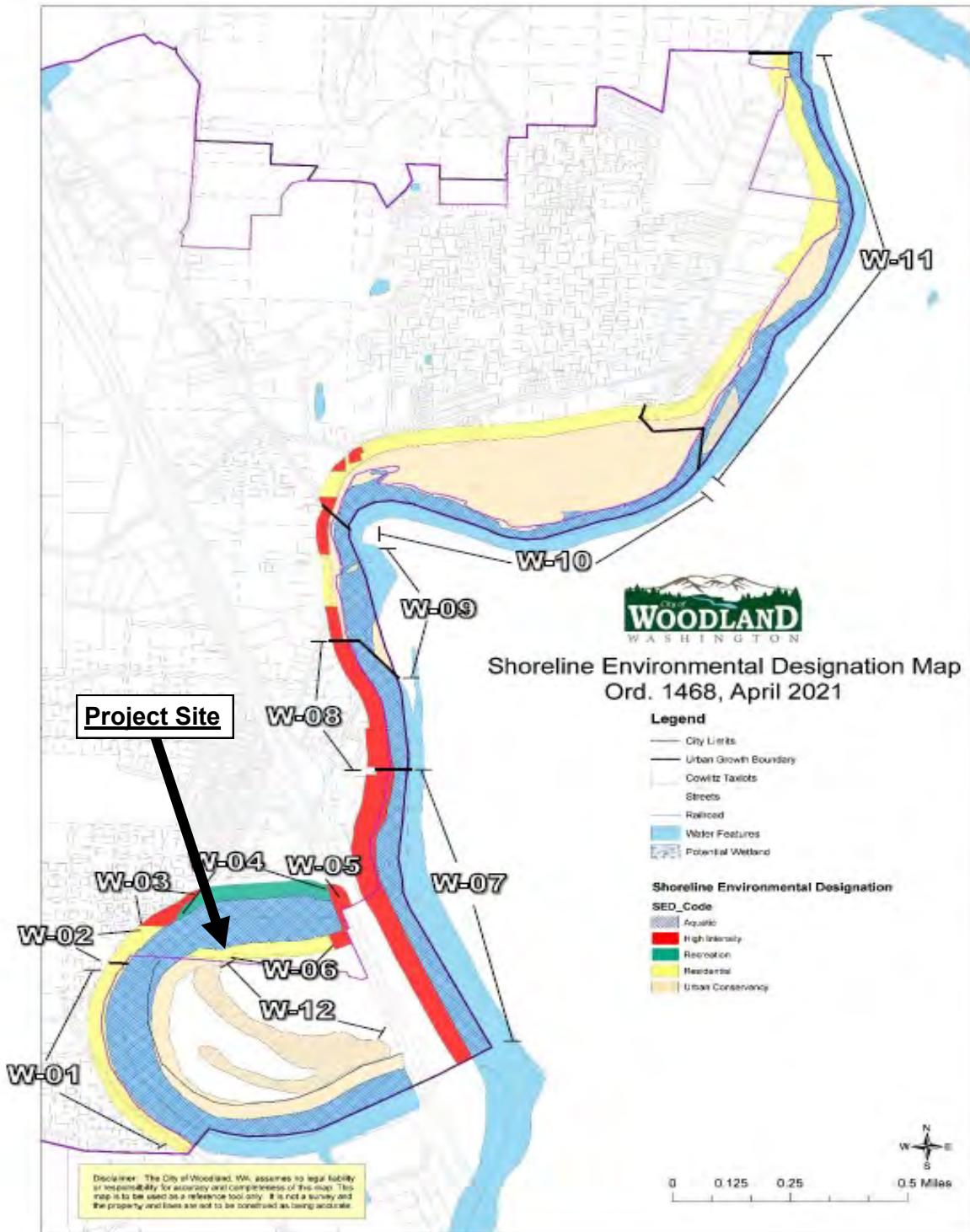
## Map 6. Clark County Tax Parcel



Applicant: Carla Morgan and Randy Huft  
JARPA City of Woodland  
Location: 412 Island Aire Drive,  
Woodland WA  
Page 6 of 7  
Date: July 25, 2022

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# Map 7. Shoreline Designation Map



Applicant: Carla Morgan and Randy Huft  
 TESC MAPS  
 Location: 412 Island Aire Drive,  
 Woodland WA  
 Page 7 of 7  
 Date: July 25, 2022

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