

#### Request for Clean Water Act Section 401 Water Quality Certification Washington State Department of Ecology Phone: (360) 407-6076 or E-mail: ecyrefedpermits@ecy.wa.gov

AGENCY USE ONLY						
Date Received:	8/6/2024					
Aquatics ID No.:	142279					
County:	Clark					
Complete Reque	st: <sup>8/6/2024</sup>					

This Section 401 Water Quality Certification (WQC) request form must be submitted as part of a WQC request and identifies information needed for review. Please see Department of Ecology's (Ecology) <u>webpage</u><sup>1</sup> for more information about the WQC request process and additional information regarding the request requirements.

Submit this WQC Request form along with the supporting information<sup>2</sup> to <u>ecyrefedpermits@ecy.wa.gov</u>.

Request packages should be sent in by email, mail submissions will not be accepted. Supporting information should not be consolidated into one large file, if your documents are consolidated into one file, please separate them before submitting.

Per the 2023 EPA Water Quality Certification rule, the certifying authority may identify the contents of a request for certification relevant to water quality related impacts from the activity. Items listed in Section D are always required for a complete application. If notified by Ecology prior to submittal of this request, items listed in Section E are also required. If this information has been provided to Ecology as part of your federal permit application, you do not need to submit them again. However, please indicate in Section D how they were provided. Ecology will provide acknowledgement of receipt of a complete WQC request to the project proponent. Once Ecology confirms we have received all the required information, our review time will begin.

#### A. Project Information

Project Name: Heritage Farm Wetland Restoration

Ecology Aquatics ID Number: 142279

Project Location (Please attach a project location map when submitting this form):

Project Address: 1919 NE 78th St, Vancouver, WA 98665 County:Clark

B. Federal Permit or License Reference Number, if known: <u>NWS-2023-613</u> (previously assigned)

Federal Agency: 🗹 U.S. Army Corps of Engineers (Corps)

U.S. Coast Guard

Environmental Protection Agency (EPA)

Federal Energy Regulatory Commission
Other:

Identify the U.S. Army Corps permit, if applicable: Artionwide Permit Individual Other: \_\_\_\_\_\_\_\_\_ If Nationwide Permit which one(s)? NWP(s) # <u>27, 14, 12</u>

Si necesita este formulario en español, por favor, llámenos a (360) 407-6076 o envíenos un correo electrónico a: <u>ecyrefedpermits@ecy.wa.gov</u>

<sup>&</sup>lt;sup>1</sup> https://ecology.wa.gov/Regulations-Permits/Permits-certifications/401-Water-quality-certification

<sup>&</sup>lt;sup>2</sup> To submit documents over 25MB, e-mail <u>ecyrefedpermits@ecy.wa.gov</u> to request a secure link. Ecology does not accept outside links. Please include the Aquatics ID and project name when requesting a link.

To request an ADA accommodation, contact Ecology by phone at (360) 407-6076 or email at <u>ecyrefedpermits@ecy.wa.gov</u>, or visit <u>https://ecology.wa.gov/accessibility</u>. For Relay Service or TTY call 711 or 877-833-6341.

#### C. Was a Pre-Filing Meeting Request submitted to Ecology prior to submitting this WQC request?

✓ Yes, a pre-filing meeting request was submitted on date: <u>12/27/2022</u>

# D. Required for all projects requesting an individual WQC. Please check the boxes below indicating where the following documents can be found within this WQC request.

	Within WQC request	Within federal permit application	Previously submitted to Ecology and is still up to date	Notes to find information within the submission
Copy of the federal permit application package for the federal permit or license	V			
Complete up to date JARPA or other accepted application form		$\checkmark$	Date:	
Status of State Environmental Policy Act (SEPA) determination and/or exemption		$\checkmark$	Date:	On JARPA form
Project location map and drawings		$\checkmark$	Date:	JARPA Figures
Best management practices (BMPs)		$\checkmark$	Date:	Plan sheets
Construction methodologies		$\checkmark$	Date:	JARPA narrative and plan sheets
Requirements for In-Water Work				
Water quality monitoring plan			Date:	NA
Aquatic resource avoidance and minimization identified (e.g. eelgrass)			Date:	NA
Riparian revegetation, restoration, and management measures			Date:	NA
Requirements for Work in Wetlands				
Wetland delineation report with data sheets		$\checkmark$	Date:	
Wetland ratings			Date:	
Wetland mitigation plan, including avoidance and minimization measures, for wetland, stream, and/or other aquatic resources		V	Date:	JARPA narrative
Riparian planting and monitoring and measures		$\checkmark$	Date:	Planting sheets

E. Required by project type or when identified by Ecology. Please check the boxes below indicating where the following documents can be found within this WQC request.

	Within WQC request	Within federal permit application	Previously submitted to Ecology and is still up to date	Notes to find information within the submission		
Mitigation						
Wetland mitigation bank use plan			Date:	NA		
In-lieu (ILF) use plan			Date:	NA		
Water Quality Monitoring						
Water quality monitoring and protection plan			Date:	NA		
Spill prevention control and countermeasures plan			Date:	To be done by contractor		
Upland Work						
Erosion and sediment control plan		$\checkmark$	Date:			
Stormwater pollution prevention plan			Date:	To be done prior to bidding		
De-Watering						
Flow diversion, cofferdam, and dewatering system plan			Date:	NA		
Stream bypass plan			Date:	NA		
Water dispersion/ infiltration plan			Date:	NA		
Culverts and Bridges						
Bridge demolition and construction plan			Date:	NA		
Culvert removal and replacement plan			Date:	NA		
Dredging						
Dredging and excavation plans			Date:	NA		
Suitability determination			Date:	NA		
Soils testing and characterization reports			Date:	NA		
Other						
Stone column installation plan			Date:	NA		
Horizontal direction drill (HDD) inadvertent return plan			Date:	NA		
Levee repair and bank stabilization plan			Date: NA			
Piling removal and installation plan			Date:	NA		
Wastewater servicing for marina operations			Date:	NA		

A n	quatic invasive species nanagement plan	ve species							
F.	· Project Proponent Information								
	Project Proponent								
	First/Last Name: Kenneth A. Lader, Public Works Director/County Engineer								
	Organization: Clark County Public Work	S							
	Phone #: 564-397-4185 E-mail: ken.lader@clark.wa.gov								
	Agent/Consultant								
	First/Last Name: Pam Schense, Environmental Permit Coordinator								
	Organization: Clark County Public Works								
	Phone #: 564-397-4865 E-mail: pam.schense@clark.wa.gov								
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#### G. Required Certification Statements:

The project proponent hereby certifies that all information contained herein is true, accurate, and complete, to the best of my knowledge and belief.

The project proponent hereby requests that the certifying authority review and take action on this WQC request within the applicable reasonable period of time.

Signature: Kendh O, Jaler Date: Date:

Print Name: Kenneth A. Lader



AGENCY USE ONLY

Date received: 8/6/2024 edoc Rec'd WQC Request Form

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

Tax Parcel #(s):

### Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]

Heritage Farm Wetland Restoration

#### Part 2–Applicant

The person and/or organization responsible for the project. [help]

2a. Name (Last, First, Middle)

Kenneth A. Lader, P.E. – Public Works Director / County Engineer

**2b.** Organization (If applicable)

**Clark County Public Works** 

2c. Mailing Address (Street or PO Box)

PO Box 9810

2d. City, State, Zip

Vancouver, WA 98660-9810

<b>2e.</b> Phone (1)	<b>2f.</b> Phone (2)	<b>2g.</b> Fax	<b>2h.</b> E-mail
(564) 397-4185			ken.lader@clark.wa.gov

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

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

<sup>•</sup> 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.

<sup>•</sup> 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>&</sup>lt;sup>2</sup>To access an online JARPA form with [help] screens, go to <u>http://www.epermitting.wa.gov/site/alias</u> resourcecenter/jarpa jarpa form/9984/jarpa form.aspx.

### 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]

3a. Name (Last, First, Middle)					
Pam Schense					
3b. Organization (If app	olicable)				
Clark County Public W	/orks				
3c. Mailing Address (S	Street or PO Box)				
PO Box 9810					
3d. City, State, Zip	3d. City, State, Zip				
Vancouver, WA 98660-9810					
<b>3e.</b> Phone (1)	<b>3f.</b> Phone (2)	<b>3g.</b> Fax	<b>3h.</b> E-mail		
564-397-4865			pam.schense@clark.wa.gov		

### 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]

- $\boxtimes$  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 <u>JARPA Attachment A</u> 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 <u>JARPA Attachment E</u> to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)						
Kathleen Otto – County	y Manager					
4b. Organization (If app	licable)					
Clark County						
4c. Mailing Address (St	reet or PO Box)					
PO Box 9810	PO Box 9810					
4d. City, State, Zip						
Vancouver, WA 98660-9810						
<b>4e.</b> Phone (1)	<b>4f.</b> Phone (2)	<b>4g</b> . Fax	<b>4h.</b> E-mail			
(564) 397-2458			kathleen.otto@clark.wa.gov			

# 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 <u>JARPA</u> <u>Attachment B</u> for each additional project location.

5a. Indicate the type of o	ownership	of the property	. (Check all that apply.) [help]			
Private						
Federal						
Publicly owned (state, or	county, city,	special districts like	e schools, ports, etc.)			
□ Tribal		<i>.</i>				
☐ Department of Natura	l Resourc	es (DNR) – man	aged aquatic lands (Complete	JARPA Attachment E)		
<b>5b.</b> Street Address (Canr	not be a PO	Box. If there is no a	ddress, provide other location inform	nation in 5p.) [ <u>help]</u>		
1919 Northeast 78 <sup>th</sup> Stre	et					
5c. City, State, Zip (If the	project is no	ot in a city or town, p	provide the name of the nearest city	or town.) [ <u>help]</u>		
Vancouver, WA 98665						
5d. County [help]						
Clark						
<b>5e.</b> Provide the section,	township,	and range for t	he project location. [help]			
1⁄4 Section	S	Section	Township	Range		
	11		2N	1E		
<b>5f.</b> Provide the latitude a	nd longitu	ide of the projec	t location. [ <u>help]</u>			
• Example: 47.03922 N	lat. / -122.8	89142 W long. (Use	decimal degrees - NAD 83)			
45.677683 N lat. / -122.6	646454 W	long.				
5g. List the tax parcel nu	ımber(s) f	or the project lo	cation. [help]			
The local county ass	essor's offic	e can provide this i	nformation.			
148084000						
<b>5h.</b> Contact information	for all adjo	pining property o	WNERS. (If you need more space, u	se <u>JARPA Attachment C</u> .) [help]		
Name		N	lailing Address	Tax Parcel # (if known)		
Kobernick, Theodore &		1709 NE 78TH	I ST UNIT 157			
Kobernick, Paula		VANCOUVER,	WA 98665	000993000		
Sims, James & Sims, Ba	rbara	1709 NE 78TH	I ST UNIT 26	000042000		
	VANCOUVER, WA 98665 600813000					
Nutt, Betty & Nutt, Larry	Nutt, Betty & Nutt, Larry 1709 NE 78TH ST UNIT 130					
		VANCOUVER,	WA 98665	00100000		

**5i.** List all wetlands on or adjacent to the project location. [help]

There is one wetland features within the project area, i.e., Wetland A

5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [help]

No waterbodies are present

5k. Is any part of the project area within a 100-year floodplain? [help]

 $\Box$  Yes  $\boxtimes$  No  $\Box$  Don't know

51. Briefly describe the vegetation and habitat conditions on the property. [help]

The study site consists of upland and wetland habitats, with areas of agricultural farmland.

The vegetation within the upland areas includes tall fescue (*Schedonorus arundinaceus*), catsear (*Hypochaeris radicata*), sweet vernal grass (*Anthoxanthum odoratum*), ribwort plantain (*Plantago lanceolata*), and velvetgrass (*Holcus lanatus*). The vegetation within the wetland area includes Scouler willow (*Salix scouleriana*), Himalayan blackberry (*Rubus armeniacus*), reed canary-grass (*Phalaris arundinacea*), field horsetail (*Equisetum arvense*), broadleaf cattail (*Typha latifolia*), meadow foxtail (*Alopecurus pratensis*), and bird's-foot trefoil (*Lotus corniculatus*) among other plant species.

5m. Describe how the property is currently used. [help]

The Heritage Farm site consists of 79 acres and is currently use for agriculture research and education, local agriculture and business development, youth development, food safety and nutrition workshops, food preservation education, and health and wellness education. The property is owned by Clark County and managed by Washington State University's Research Extension office. The site consists of gently sloping hills, fields and existing historic structures, and retains its historic roots as an agricultural research facility. In 2012 the farm was placed on the Washington Historic Register.

5n. Describe how the adjacent properties are currently used. [help]

Surrounding land use includes residential, commercial, recreation, and light agricultural and industrial use. On the north side of NE 78<sup>th</sup> Street is a mixture of light industrial and mixed residential use that includes commercial businesses and single and multi-family units. To the west is a single and multi-family residential area. To the south is single family residences and recreation at Hazel Dell Park, along NE 68<sup>th</sup> Street. To the east is commercial and residential areas that include forested parcels and light agricultural usage.

**50.** Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [help]

Structures are located in the northern portion of the project area and include the historic farmhouse building currently used as an administration building for Washington State University's extension programs and four other historic structures, including a garage, milk house, and agricultural shop. The historic garage and milk house are currently used for storage. East of the historic structures are greenhouses used for a variety of workshops and plant sales, and maintenance buildings. Two access roads cross the existing ditched wetland to access the southern portions of the property. Additionally, a historic weather station that has been collecting weather data for more than 125 years is located just west of the western access road.

5p. Provide driving directions from the closest highway to the project location, and attach a map. [help]

- From Vancouver take I-5 North for 3.8 miles
- Take Exit 4 for NE 78<sup>th</sup> Street and head east
- After 0.6 miles 1919 NE 78<sup>th</sup> Street will be on the south side of street

# Part 6–Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [help]

The restoration project is a Clark County Public Works Clean Water Division project, partially funded by a grant from Washington Department of Ecology. The project proposes to restore historic headwater wetlands by constructing shallow wetland benches within and adjacent to existing ditched wetlands. The grading plan creates shallow wetland cells and a meandering channel along the wetland that will replicate the natural retention and treatment functions of the historic wetlands that once existed on-site. The restored wetland will collect overland flows and restore the natural groundwater recharge, reduce stormwater runoff volumes that flow to the creek, and reduce ongoing stream erosion, which will improve water quality and reduce peak flows of runoff entering the wetland and flowing downstream into Cougar Creek. Six earthen berms with gate valves for controlling water will be constructed across the wetland at different locations, which will separate the cells and control seasonal flows. The two existing access roads that cross the wetland will be improved and expanded to cross the restored wetland area. Riprap pads will be located on either side of the berms at the end of pipes used to control water levels as well as on either end of the culverts that will be placed under the two existing access roads.

Another integral component of the project includes rerouting an existing sewer line that runs parallel to, and directly south of, the existing ditched wetland. The sewer line will be moved north so the wetland restoration can occur unencumbered by the sewer line. The new sewer line will install a new maintenance hole at the eastern edge of the project and install a new line running north of the existing line to a new maintenance hole and then run due west and intertie with the existing line through a new maintenance hole. The abandoned sewer line will be removed during construction of the wetland restoration/enhancement project.

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

The overall goal of the project is to restore the natural headwater wetlands to Cougar Creek that existed historically. The project site will be planted with appropriate wetland and wetland buffer vegetation that will contribute to restoring the surface and groundwater hydrologic regime and return this headwater wetland area to a more natural, native state. The hydrologic regime and habitat restoration are important functions to the Cougar Creek headwaters, which are important to resident native species and an important contributor of cool, clean stream flows to downstream waters (Cougar Creek and Salmon Creek). Anticipated watershed benefits from this project include improved water quality, increased groundwater recharge, improved wetland hydroperiod, reduced peak runoff volume, reduced stream erosion, and improved summer base flows to Salmon Creek.

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

	□ Residential    □ Insti	tutional 🛛 🗆 Transportat	on 🛛 Recreational
□ Maintenance	Environmental Enhancemental	ent	
6d. Indicate the major e	lements of your project. (Che	ck all that apply) [help]	
□ Aquaculture	□ Culvert	□ Float	Retaining Wall
$\Box$ Bank Stabilization	🛛 Dam / Weir	□ Floating Home	
□ Boat House	🗆 Dike / Levee / Jetty	Geotechnical Survey	⊠ Road
□ Boat Launch	□ Ditch	□ Land Clearing	<ul> <li>Scientific</li> <li>Measurement Device</li> </ul>
Boat Lift	Dock / Pier	🗆 Marina / Moorage	□ Stairs
□ Bridge	□ Dredging	□ Mining	□ Stormwater facility
Bulkhead	□ Fence	Outfall Structure	□ Swimming Pool
🗆 Buoy	Ferry Terminal	🗆 Piling/Dolphin	⊠ Utility Line
Channel Modificatio	n 🛛 Fishway	□ Raft	

 $\boxtimes$  Other: Wetland restoration/enhancement project

- **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.

The wetland restoration and enhancement will be accomplished by constructing shallow wetland benches along the existing wetland. The grading plan creates shallow wetland cells that will replicate the natural retention and treatment functions of the historic wetlands that once existed.

Six earthen berms with flow control structures and gate valves to control water will be constructed across the wetland at different locations, which will separate the cells and control seasonal flows. Riprap pads will be located on either side of the berms at the end of pipes used to control water levels, as well as on either end of the culverts that will be placed under the two access roads.

Two existing access roads that currently cross the wetland will be reconstructed and expanded to cross the restored wetland. The roadway fill prism will be built up with roadway embankment fill to the required height and width needed to cross the constructed wetland. The access roads will be graveled with grass shoulders upon completion.

The existing sanitary sewer line that runs parallel with the existing ditched wetland will be routed outside of the wetland restoration area. The new sewer line will install a new maintenance hole at the eastern edge of the project and install a new line running north of the existing line to a new maintenance hole and then run due west and intertie with the existing line through a new maintenance hole. The abandoned sewer line will be removed during construction of the wetland restoration/enhancement project.

Wetland restoration, water control structures, access road construction, and sewer line relocation will be completed with the use of excavators, bulldozers, compactors, dump trucks, and general use vehicles. BMPs will be implemented to minimize the extent of additional potential effects to wetlands and wetland buffers. The County has developed an erosion and sediment control plan to control erosion during construction, and BMPs will remain in place until disturbed soils have been stabilized.

Upon completion of the wetland restoration, water control berms, access roads, and sewer line relocation, all disturbed area will be seeded with native upland and wetland seed mixtures and the restored wetland and wetland buffer area will be planted with appropriate native wetland and wetland buffer plants.

The existing wetlands are headwater wetlands of the Cougar Creek watershed, which is a tributary to Salmon Creek. No activities occur within the 100-year floodplain.

<b>61.</b> What are the anticipated start	and end dates for project const	ruction? (Month/Year) [help]
<ul> <li>If the project will be constructed stage.</li> </ul>	in phases or stages, use <u>JARPA Attach</u>	<u>ment D</u> to list the start and end dates of each phase or
Start Date: Spring 2025	End Date: Winter 2025	See JARPA Attachment D

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [help]

Approx. \$3,500,000

6h. Will any portion of the project receive federal funding? [help]

• If yes, list each agency providing funds.

 $\Box$  Yes  $\boxtimes$  No  $\Box$  Don't know

### Part 7–Wetlands: Impacts and Mitigation

 $\boxtimes$  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's goal is to restore the beadwater wetland to its natural state as much as possible
The purpose of this project is to restore historic wetlands and enhance existing wetlands, restoring the natural stormwater retention and treatment, and the natural groundwater recharge. Reducing peak runoff from storm events will help reduce stream erosion. The entire project area will be planted with appropriate native wetland and wetland buffer species.
The proposed project will involve temporary and permanent impacts to the existing wetland. To achieve the goals of the project, impacts to wetlands are unavoidable; however, the majority of these impacts are temporary, and the overall wetland area will be increased. Permanent impacts associated with the access road improvements, berms, placement of riprap pads, and relocation of the sewer line have been minimized to the extent practicable while still achieving the project goals. Wetland soils removed during restoration efforts will be stockpiled and placed back into the restored wetland areas. The use of low impact development BMPs will minimize long-term impacts to the existing wetland during construction. The restoration project will result in an overall gain in wetland area and uplift in functions to the wetland and wetland buffer.
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
<b>7e.</b> 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
The wetland restoration project will result is a small amount of permanent wetland impacts. NWP 27 does not require mitigation to compensate for impacts to aquatic resources. However, the overall project will result in the restoration of 2.32 acres of wetlands and enhancement of 1.11 acres of existing wetlands, for a total of 3.43 acres. The restoration and enhancement of wetlands will greatly exceed the permanent wetland impacts and additional mitigation will not be required. A restoration plan has been prepared that summarizes the restoration efforts, the proposed plantings, and monitoring and maintenance activities. The restoration plan has been included. It is anticipated that the proposed wetland restoration can be authorized under Nationwide 27 – Aquatic Habitat Restoration, Enhancement, and Establishment Activities.
Permanent impacts from the two road crossings total less than 0.05 acre (0.04 East Crossing and 0.01 West Crossing) and are each less than 0.1 acre, which is the typical threshold for when compensatory mitigation is required under Nationwide 14 – Linear Transportation.
Permanent impacts from relocating the sewer line outside of the wetland restoration area total less than 0.001 acres from a single maintenance hole, which is also less than the typical threshold for when compensatory mitigation is required under Nationwide 12 – Utility Line Activities.
7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was

**/g.** Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach v used to design the plan. [help]

N/A

**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. [help]

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)
Excavate for earthen berms/ control structures	Wetland A	PEM (III)	7,400 SF	Permanent	R/E	NA
Fill for earthen berms/control structures	Wetland A	PEM (III)	7,400 SF	Permanent	R/E	NA
Excavate for wetland restoration / enhancement and sewer line relocation	Wetland A	PEM (III)	48,000 SF	6 months	R/E	NA
Excavate for West Road Crossing	Wetland A	PEM (III)	436 SF	6 months	R/E	NA
Fill for West Road Crossing	Wetland A	PEM (III)	436 SF	Permanent	R/E	NA
Excavate for East Road Crossing	Wetland A	PEM (III)	1,745 SF	6 months	R/E	NA
Fill for East Road Crossing	Wetland A	PEM (III)	1,745 SF	Permanent	R/E	NA
Fill for maintenance hole structure	Wetland A	PEM (III)	25 SF	Permanent	R/E	NA

<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:

**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. [help]

Temporary wetland impacts will consist of over-excavation of existing soils, to depth of 12-inches below the proposed surface, and replacement of approximately 518 cubic yards (CY) of native wetland soil back within the wetlands.

Fill for two access road prisms and six water control facilities is proposed. Clean roadway embankment fill, and riprap will be used. Approximately 440 CY of fill will be placed within the wetland for access road improvements and berms for water control structures.

Fill and excavation activities will occur within the same footprint.

**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. [help]

Organic, hydric wetland soils will be excavated and incorporated in the wetland restoration. Any excess material will be disposed of at an approved off-site location. Approximately 2,753 CY of material will be removed.

Excavation and fill activities will occur within the same footprint.

# 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.) [help]

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

<b>8a.</b> Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [help]			
□ Not applicable			
8b. Will your project impact a waterbody or the area around a waterbody? [help]			
<ul> <li>8c. Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [help]</li> <li>If Yes, submit the plan with the JARPA package and answer 8d.</li> </ul>			
Not applicable - There are no waterbodies within the project area so a mitigation plan			
<ul> <li>8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.</li> <li>If you already completed 7g you do not need to restate your answer here. [help]</li> </ul>			
8e. Summarize impact(s) to each waterbody in the table below. [help]			
Activity (clear, dredge, fill, pile drive, etc.)Waterbody name1Impact 			

<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.				
<b>8f.</b> 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]				
<b>8g.</b> 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]				
<ul> <li>8h. Have you prepared a Water Quality Monitoring Plan (WQMP) for all in-water work (below ordinary high water), over water work or discharges to waters of the state?</li> <li>Yes <ul> <li>No</li> </ul> </li> </ul>				
If NO describe the monitoring that you will be conducting including parameters, equipment and locations, or explain why monitoring will not be necessary. [help]				

# 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.

9a. If you have already worked with any government agencies on this project, list them below. [help]			
Agency Name	Contact Name	Phone	Most Recent Date of Contact
USACE	Ari Sindel	(360) 746-4701	3/19/2024
Ecology	Lori White	(360) 669-1396	4/26/2022
Clark County	Ariel Whitacre	(564) 397-4717	4/26/2022
<ul> <li>9b. 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? [help]</li> <li>If Yes, list the parameter(s) below.</li> <li>If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: https://ecology.wa.gov/Water-Shorelines/Water-guality/Water-improvement/Assessment-of-state-waters-303d.</li> </ul>			
9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]			
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.			
17080001			

9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]
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 #.
28
<ul> <li>9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]     </li> <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>
⊠ Yes □ No □ Not applicable
<ul> <li>9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]</li> <li>If you don't know, contact the local planning department.</li> <li>For more information, go to: https://ecology.wa.gov/Water-Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-laws-rules-and-cases.</li> </ul>
$\Box$ Urban $\Box$ Natural $\Box$ Aquatic $\Box$ Conservancy $\Box$ Other <u>:</u>
<ul> <li>9g. What is the Washington Department of Natural Resources Water Type? [help]</li> <li>Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System.</li> </ul>
🗆 Shoreline 🛛 Fish 🖓 Non-Fish Perennial 🖓 Non-Fish Seasonal
<ul> <li>9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help]</li> <li>If No, provide the name of the manual your project is designed to meet.</li> </ul>
🛛 Yes 🛛 No
Name of manual:Clark County Stormwater Manual 2021
<ul> <li>9i. Does the project site have known contaminated sediment? [help]</li> <li>If Yes, please describe below.</li> </ul>
□ Yes ⊠ No
9j. If you know what the property was used for in the past, describe below. [help]
The property has been used for agriculture activities since 1873. Beginning in the 1940s the farm was used as a state agricultural research facility run by Washington State University, providing community outreach and agricultural education programs.
<b>9k.</b> Is the project located in or adjacent to a designated state or federal contaminated site or clean-up site. (e.g. MTCA or CERCLA)?
in the state cleanup process under the Model Toxics Control Act.
<ul> <li>91. Has a cultural resource (archaeological) survey been performed on the project area? [help]</li> <li>If Yes, attach it to your JARPA package.</li> </ul>
🛛 Yes 🗆 No

**9m.** 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]

According to USFWS IPaC and NOAA Fisheries, ESA-listed species that may be present in the area of the proposed action include:

- Yellow-Billed Cuckoo (*Coccyzus americanus*)
- Bull Trout (Salvalinus Confluetnus) Columbia River DPS\*
- Steelhead (Oncorhynchus mykiss) Lower Columbia River DPS
- Coho Salmon (Oncorhynchus kisutch) Lover Columbia River ESU\*
- Chum Salmon (*Oncorhynchus keta*) Columbia River ESU
- Chinook Salmon (Oncorhynchus tshawytscha) Lower Columbia River ESU
- Northwestern Pond Turtle (Actinemys marmorata) Proposed Threatened

Due to the lack of suitable habitat conditions, the highly developed nature of the surrounding urban area, and the BMPs that will be implemented, the project will have no effect on ESA-listed species. There is no designated critical habitat within the project area.

\*DPS (distinct population segment), ESU (evolutionary distinct unit)

**9n.** 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 maps rainbow trout (*Oncorhynchus mykiss*) and Cutthroat trout (*Onocorhynchus clarki*) in downstream reaches of Cougar Creek. Impacts to the downstream reaches of Cougar Creek will be avoided and minimized using best management practices, and the project is unlikely to affect WDFW listed species. An overall improvement to the hydraulic function to the headwaters of Cougar Creek will occur through the restoration and enhancement of disturbed and channelized wetlands.

### 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/opas/.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or <u>help@oria.wa.gov</u>.
- For a list of addresses to send your JARPA to, click on <u>agency addresses for completed JARPA</u>.

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [help]		
• For more information about SEPA, go to <a href="https://ecology.wa.gov/regulations-permits/SEPA-environmental-review">https://ecology.wa.gov/regulations-permits/SEPA-environmental-review</a> .		
$\Box$ A copy of the SEPA determination or letter of exemption is included with this application.		
A SEPA determination is pending with <u>Clark County</u> (lead agency). The expected decision date is <u>November 2024</u> .		
□ I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [help]		
<ul> <li>This project is exempt (choose type of exemption below).</li> <li>Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?</li> </ul>		
□ 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:
<ul> <li>Substantial Development</li> <li>Conditional Use</li> <li>Variance</li> <li>Shoreline Exemption Type (explain):</li> </ul>
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 – <u>Attach Exemption Form</u>
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
□ Authorization to impact waters of the state, including wetlands (Check this box if the proposed impacts are to waters not subject to the federal Clean Water Act)
FEDERAL AND TRIBAL GOVERNMENT
United States Department of the Army (U.S. Army Corps of Engineers):
$oxtimes$ Section 404 (discharges into waters of the U.S.) $\Box$ Section 10 (work in navigable waters)
<b>United States Coast Guard:</b> For projects or bridges over waters of the United States, contact the U.S. Coast Guard at:
Bridge Permit: D13-SMB-D13-BRIDGES@uscg.mil
□ Private Aids to Navigation (or other non-bridge permits): D13-SMB-D13-PATON@uscg.mil
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)
<b>Tribal Permits:</b> (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. \_\_\_\_\_\_ (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. \_\_\_\_\_ (initial)

Kenneth A Lader	Kenneth O. Jeler	07/10/24
Applicant Printed Name	Applicant Signature	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.

Pam Schense	Pan Schenze	07/15/24
Authorized Agent Printed Name	Authorized Agent Signature	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.

Kathleen Otto	Eathleen Otto	07/15/24
Property Owner Printed Name	Property Owner Signature	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













PURPOSE: Wetland Restoration COUNTY OF: Clark STATE: Washington APPLICANT: Clark County Public Works 1300 Franklin St., Vancouver, WA 98660

wsp

TOWNSHIP: TO2N, R01E, Section 11 LATITUDE: 45° 40' 39.6588"N LONGITUDE: -122° 38' 47.2344"W DATUM: NAD 1983 StatePlane WA Sheet 6 of 25







PURPOSE: Wetland Restoration COUNTY OF: Clark STATE: Washington APPLICANT: Clark County Public Works 1300 Franklin St., Vancouver, WA 98660

Figure 9: Restoration Plan Wetland A (East)

wsp

HERITAGE FARMS WETLAND RESTORATION TOWNSHIP: T02N, R01E, Section 11 LATITUDE: 45° 40' 39.6588"N LONGITUDE: -122° 38' 47.2344"W DATUM: NAD 1983 StatePlane WA Sheet 9 of 25

July 2024



Reference No:NWS-2023-613 PURPOSE: Wetland Restoration COUNTY OF: Clark STATE: Washington APPLICANT: Clark County Public Works 1300 Franklin St., Vancouver, WA 98660

Figure 10: Restoration Plan Wetland A (West)

wsp

HERITAGE FARMS WETLAND RESTORATION TOWNSHIP: T02N, R01E, Section 11 LATITUDE: 45° 40′ 39.6588″N LONGITUDE: -122° 38′ 47.2344″W DATUM: NAD 1983 StatePlane WA Sheet 10 of 25 July 2024































Photo 1: Wetland "A" lookiing east



Photo 2: Wetland "A" (West) looking west



Photo 3: Wetland "A" (West)looking west



Photo 4: Ephemeral ditch connecting portions of Wetland A (West)



Photo 5: Western project boundary, looking north



Photo 6: Maintained uplands, looking east

Reference No:NWS-2023-613 PURPOSE: Wetland Restoration COUNTY OF: Clark STATE: Washington APPLICANT: Clark County Public Works 1300 Franklin St., Vancouver, WA 98660

Figure 18: Photo Sheet

wsp

HERITAGE FARMS WETLAND RESTORATION TOWNSHIP: T02N, R01E, Section 11 LATITUDE: 45° 40' 39.6588"N LONGITUDE: -122° 38' 47.2344"W DATUM: NAD 1983 StatePlane WA Sheet 25 of 25

July 2024