



HYDRAULIC PROJECT APPROVAL

Washington Department of
Fish and Wildlife
PO Box 43234
Olympia, WA 98504-3234
(360) 902-2200

Issue Date: 8/5/2025

Project End Date: 8/4/2030

Permit Type: HPA - Standard
(Habitat Recovery Pilot Program
(HRPP))
Permit Number: 2025-4-456+01
Application ID: 0044072

PERMITTEE	AUTHORIZED AGENT
Wild Fish Conservancy ATTENTION: Micah Wait PO Box 402 Duvall, Washington 98019	

Project Name: HRPP: Lower Cherry Creek Restoration Project Phase II-III

Project Description: This restoration project has been approved by the Salmon Recovery Funding Board and aligns with the goals of the Snohomish River Basin Salmon Conservation Plan (SCP), developed by the Snohomish Basin Salmon Recovery Forum. The SCP identifies restoration of Lower Cherry Creek as the 2nd highest priority in the Snoqualmie River Basin for increasing Chinook salmon abundance (Table 11.6.6, "Implementation Sequence across Stream Reaches in the Snoqualmie Watershed"). The Plan specifically recommends restoring Chinook habitat from the mouth of Cherry Creek to the extent of the 100-year floodplain (Page 11-59).

This project encompasses Phases II and III of a three-phase restoration strategy for lower Cherry Creek. Phase I, completed in 2019, included bisecting the channel at the confluence with the Snoqualmie River, constructing a habitat island, removing riprap, installing large woody debris (LWD), removing invasive weeds, and planting native riparian vegetation. It improved edge habitat for high-flow refugia and juvenile rearing near the confluence; some excavated soil was reused to support the Cherry Creek levee. Phases II & III aim to extend these improvements upstream.

This project will improve degraded habitat for juvenile Chinook and other native salmonids upstream of the mouth of Cherry Creek through the following actions:

- Re-contour 2,000 LF of streambank (1,500 RF, 500 LF) to create complex edge habitat.

- Remove 18 CY (250 LF) of riprap, including streambed grade control under SR203, and regrade the bed to enhance complexity.

- Install 114 LWD pieces and 45 piles in 3 engineered log jams and 5 log clusters.

- Replace and relocate a failing livestock crossing with a new 14'x70' steel bridge.

- Remove weeds and reestablish native riparian vegetation.

- Supplement the widening of 5,825 LF of left bank levee to support agricultural land use while enabling habitat restoration.



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PROVISIONS

AUTHORIZED WORK TIMES:

1. Work below the ordinary high water line must only occur between July 15th and September 15th.

PROJECT APPROVALS:

2. Work must be accomplished per the plans and specifications submitted with the application and approved by the Washington Department of Fish and Wildlife, entitled "Lower Cherry Phase II-III_7_21_FINAL," uploaded on 7/22/2025, and entitled "Submersible Bridge Qualitative Monitoring Plan_CherryValley2025.07.29," uploaded on 7/31/2025 except as modified by this Hydraulic Project Approval. You must have a copy of these plans available on site during all phases of the project construction.

INVASIVE SPECIES CONTROL:

3. Follow Method 1 for low-risk locations (i.e., clean/drain/rinse/dry). Thoroughly remove visible dirt and debris from all equipment and gear—including vessels, boots, waders, drive mechanisms, wheels, tires, tracks, buckets, and undercarriage—before arriving at and leaving the job site to prevent the transport and introduction of aquatic invasive species. For contaminated or high-risk sites, refer to the Method 2 Decontamination protocol. Clean, rinse, and dry all decontamination equipment used and properly dispose of any water and chemicals used for cleaning. For additional decontamination details, including specific protocols for freshwater, marine, and estuarine environments, refer to the Washington Department of Fish and Wildlife's Invasive Species Management Protocols, available online at <https://wdfw.wa.gov/species-habitats/invasive/prevention/clean-drain-dry#decontamination>

NOTIFICATION REQUIREMENTS:

4. FISH KILL/WATER QUALITY PROBLEM NOTIFICATION: If a fish kill occurs or fish are observed in distress at the job site, immediately stop all activities causing harm. Immediately notify the Washington Department of Fish and Wildlife of the problem. If the likely cause of the fish kill or fish distress is related to water quality, also notify the Washington Military Department Emergency Management Division at 1-800-258-5990. Activities related to the fish kill or fish distress must not resume until the Washington Department of Fish and Wildlife gives approval. The Washington Department of Fish and Wildlife may require additional measures to mitigate impacts.
5. You or your agent must contact the Washington Department of Fish and Wildlife by e-mail at HPAapplications@dfw.wa.gov; mail to Post Office Box 43234, Olympia, Washington 98504-3234; or fax to (360) 902-2946 at least three business days before starting work, and again within seven days after completing the work. The notification must include the permittee's name, project location, starting date for work or date the work was completed, and the permit number. The Washington Department of Fish and Wildlife may conduct inspections during and after construction; however, the Washington Department of Fish and Wildlife will notify you or your agent before conducting the inspection.



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STAGING, JOB SITE ACCESS, AND EQUIPMENT:

6. Check equipment daily for leaks and complete any required repairs in an upland location before using the equipment in or near the water.
7. Clearly mark boundaries to establish the limit of work associated with site access and construction.
8. Equipment used in or near water must use environmentally acceptable lubricants composed of biodegradable base oils. These are vegetable oils, synthetic esters, and polyalkylene glycols.
9. Establish staging areas (used for activities such as equipment storage, vehicle storage, fueling, servicing, and hazardous material storage) in a location and manner that will prevent contaminants such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials from entering waters of the state.
10. Equipment used for this project may operate waterward of the ordinary high water line, provided the drive mechanisms (wheels, tracks, tires, etc.) do not enter or operate waterward of the ordinary high water line.
11. Use existing roadways or travel paths.

SEDIMENT, EROSION, AND POLLUTION CONTAINMENT:

12. Protect all disturbed areas from erosion. Maintain erosion and sediment control until all work and cleanup of the job site is complete.
13. Route the construction water (wastewater) from the project to an upland area above the limits of anticipated floodwater. Remove fine sediment and other contaminants before discharging the construction water to waters of the state.
14. Before starting work, install sediment and erosion control measures to prevent sediment from entering waters of the state. Inspect the sediment and erosion control measures regularly during construction and make all needed repairs if any damage occurs.
15. Install and maintain curbs or wheel guards to prevent aggregate or earth-type paving material from entering the stream.
16. Return water flow slowly to the in-water work area to prevent the downstream release of sediment laden water. If necessary, install silt fencing above the bypass outlet to capture sediment during re-watering of the channel.
17. If flow conditions arise that will result in erosion or siltation of waters of the state, stop all hydraulic project activities except those needed to control erosion and siltation.
18. To minimize sediment delivery to the stream or stream channel, do not return in-stream flows to the work area until all in-channel work is completed and the bed and banks are stabilized.
19. All erosion control materials that will remain onsite must be composed of 100% biodegradable materials.

PROJECT IMPLEMENTATION:

20. Work in the dry watercourse (when no natural flow is occurring in the channel, or when flow is diverted around the job site).

PROJECT DESIGN:



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21. Design and locate new temporary access roads to prevent erosion and sediment delivery to waters of the state.
22. Use fir, cedar, or other coniferous species to construct the log or rootwad fish habitat structure(s).

IN-WATER WORK AREA ISOLATION:

23. After the first block net is secured at the upstream end, use a second block net to herd fish downstream and out of the project area.
24. Check block nets at least three times a day for entangled fish and accumulated debris.
25. Secure block nets along both banks and the channel bottom to prevent failure from debris accumulation, high flows, and/or flanking.
26. To anchor block nets, place bags filled with clean round gravel along the bottom of the nets.
27. Maintain water quality when installing and removing the cofferdam, dike or similar structure.
28. Sequence the work to minimize the duration of dewatering.
29. Design the temporary bypass to minimize the length of the dewatered stream channel.
30. During all phases of bypass installation and decommissioning, maintain flows downstream of the project site to ensure survival of all downstream fish.
31. Install a cofferdam or similar device at the upstream and downstream end of the bypass to prevent backwater from entering the work area.
32. Use the least-impacting feasible method to temporarily bypass water from the work area. Consider the physical characteristics of the site and the anticipated volume of water flowing through the work area.
33. If the bypass is a pumped diversion, once started it must run continuously until it is no longer necessary to bypass flows. This requires back-up pumps on-site and twenty-four-hour monitoring for overnight operation.
34. If the diversion inlet is a pump diversion in a fish-bearing stream, the pump intake structure must have a fish screen installed, operated, and maintained in accordance with RCW 77.57.010 and 77.57.070. Screen the pump intake with one of the following:
 - a) Perforated plate: 0.094 inch (maximum opening diameter);
 - b) Profile bar: 0.069 inch (maximum width opening); or
 - c) Woven wire: 0.087 inch (maximum opening in the narrow direction).

The minimum open area for all types of fish screens is twenty-seven percent. The screened intake facility must have enough surface area to ensure that the velocity through the screen is less than 0.4 feet per second. Maintain fish screens to prevent injury or entrapment of fish.

35. Return diverted water to the channel immediately downstream of the work area. Dissipate flow energy from the diversion to prevent scour or erosion of the channel and bank.

FISH LIFE:

36. You must avoid areas containing live freshwater mussels. If you encounter live mussels during excavation, you must relocate the operation.

FISH LIFE REMOVAL:



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37. All persons participating in capture and removal must have training, knowledge, and skills in the safe handling of fish life.
38. Capture and safely move fish life from the work area to the nearest suitable free-flowing water.
39. If electrofishing is conducted, a person with electrofishing training must be on-site to conduct or direct all electrofishing activities.
40. Place block nets upstream and downstream of the in-water work area before capturing and removing fish life.

PLANTING:

41. Complete replanting of riparian vegetation during the first dormant season (late fall through late winter) after project completion per the approved plan. Maintain plantings for at least three years to ensure at least eighty percent of the plantings survive. Failure to achieve the eighty percent survival in year three will require you to submit a plan with follow-up measures to achieve requirements or reasons to modify requirements.
42. Install fencing or other structures to prevent livestock, wildlife, or unauthorized persons from accessing the replanted riparian and wetland sites until the plantings are well established.
43. Seed areas disturbed by construction activities with a native seed mix suitable for the site that has at least one quick-establishing plant species.

DEMOBILIZATION AND CLEANUP:

44. Remove temporary erosion and sediment control methods after job site is stabilized or within three months of project completion, whichever is sooner.
45. Before the end of the in-water work period specified in the "timing limitations" provision, remove all temporary stream crossings and restore the bed and banks to pre-project condition.
46. Deposit all trash from the project at an appropriate upland disposal location.
47. Prevent the existing structure and associated construction materials from entering the stream when removing them.
48. Remove all the components of a bridge or culvert crossing (approach material, sills, stringers, deck, riprap, guardrails, etc.).
49. Upon completion of the project, remove all materials or equipment from the site and dispose of all excess spoils and waste materials in an upland area above the limits of anticipated floodwater.

PROJECT LOCATION(S)

#1

Location
Lower Cherry Creek , WA



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Latitude	Longitude	County
47.765928000000000	-121.957561000000000	King
WRIA	Waterbody	Tributary to
7	Cherry Creek	Cherry Creek

APPLIES TO ALL HYDRAULIC PROJECT APPROVALS

This Hydraulic Project Approval (HPA) pertains only to those requirements of the Washington State Hydraulic Code, specifically Chapter 77.55 RCW. Additional authorization from other public agencies may be necessary for this project. The person(s) to whom this HPA is issued is responsible for applying for and obtaining any additional authorization from other public agencies (local, state, and/or federal) that may be necessary for this project.

This Hydraulic Project Approval (HPA) shall be available on the job site at all times and all its provisions followed by the person(s) to whom this HPA is issued and operator(s) performing the work.

This Hydraulic Project Approval does not authorize trespass.

The person(s) to whom this Hydraulic Project Approval (HPA) is issued and operator(s) performing the work may be held liable for any loss or damage to fish life or fish habitat that results from failure to comply with the provisions of this HPA.

Failure to comply with the provisions of this Hydraulic Project Approval could result in a civil action against you, including, but not limited to, a stop work order or notice to comply, and/or a gross misdemeanor criminal charge, possibly punishable by a fine and/or imprisonment.

All Hydraulic Project Approvals (HPA) issued under RCW 77.55.021 are subject to additional restrictions, conditions, or revocation if the Washington Department of Fish and Wildlife determines that changed conditions require such action. The person(s) to whom this HPA is issued has the right to appeal those decisions. Procedures for filing appeals are listed below.

MINOR MODIFICATIONS TO THIS HYDRAULIC PROJECT APPROVAL (HPA): You may request approval of minor modifications to the required work timing or the plans and specifications approved in this HPA unless this is a General HPA. If this is a General HPA you must use the Major Modification process described below. Any approved minor modification will require the issuance of a letter documenting the approval. A minor modification to the required work timing means any change to the



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work start or end dates of the current work season to enable project or work phase completion. Minor modifications will be approved only if spawning or incubating fish are not present within the vicinity of the project. You may request subsequent minor modifications to the required work timing. A minor modification of the plans and specifications means any changes in the materials, characteristics, or construction of your project that do not alter the project's impact to fish life or habitat and do not require a change in the provisions of the HPA to mitigate the impacts of the modification. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a minor modification through APPS. A link to APPS is at <https://hpa.wdfw.wa.gov/s>. If you did not use APPS you must submit a written request for a minor modification to an existing HPA. Written requests must include the name of the permittee, the name of the authorized agent if applicable, the APP ID or HPA number, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send your written request by email to HPAapplications@dfw.wa.gov, or by mail to Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234. You should allow up to 45 days for the Department to process your request.

MAJOR MODIFICATIONS TO THIS HYDRUALIC PROJECT APPROVAL (HPA): You may request approval of major modifications to any aspect of your HPA. Any approved change other than a minor modification to your HPA will require the issuance of a new HPA. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a major modification through APPS. A link to APPS is at <https://hpa.wdfw.wa.gov/s>. If you did not use APPS you must submit a written request for a major modification to an existing HPA. Written requests must include the name of the permittee, the name of the authorized agent if applicable, the APP ID or HPA number, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send your written request by email to HPAapplications@dfw.wa.gov or by mail to Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234. You should allow up to 45 days for the Department to process your request.

APPEALS INFORMATION

If you wish to appeal the issuance, denial, conditioning, or modification of a Hydraulic Project Approval (HPA), the Washington Department of Fish and Wildlife (WDFW) recommends that you first contact the WDFW employee who issued, denied, or conditioned the HPA to discuss your concerns. Such a discussion may resolve your concerns without the need for further appeal action. If you proceed with an appeal, you may request an informal or formal appeal. WDFW encourages you to take advantage of the informal appeal process before initiating a formal appeal. The informal appeal process includes a review by WDFW management of the HPA or denial and often resolves issues faster and with less legal complexity than the formal appeal process. If the informal appeal process does not resolve your concerns, you may advance your appeal to the formal process.



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- A. **INFORMAL APPEALS:** WAC 220-660-460 is the rule describing how to request an informal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete informal appeal procedures. The following information summarizes that rule:

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request an informal appeal of that action. You must send your request to WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, PO Box 43234, Olympia, Washington 98504-3234; e-mail to HPAapplications@dfw.wa.gov; fax to (360) 902-2946; or hand-delivery to the WDFW Habitat Program, Natural Resources Building, 1111 Washington St SE, Olympia, Washington 98501. WDFW must receive your request within 30 days from the date you receive notice of the decision. If you agree, and you applied for the HPA, resolution of the appeal may be facilitated through an informal conference with the WDFW employee responsible for the decision and a supervisor. If a resolution is not reached through the informal conference, or you are not the person who applied for the HPA, the HPA Appeals Coordinator or designee may conduct an informal hearing or review and recommend a decision to the Habitat Program Director or designee. If you are not satisfied with the results of the informal appeal, you may file a request for a formal appeal.

- B. **FORMAL APPEALS:** WAC 220-660-470 is the rule describing how to request a formal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete formal appeal procedures. The following information summarizes that rule:

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request a formal appeal of that action. You must send your request for a formal appeal to the clerk of the Pollution Control Hearings Boards and serve a copy on WDFW within 30 days from the date you receive notice of the decision. You may serve WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, PO Box 43234, Olympia, Washington 98504-3234; e-mail to HPAapplications@dfw.wa.gov; fax to (360) 902-2946; or hand-delivery to the Habitat Program, Natural Resources Building, 1111 Washington St SE, Olympia, Washington 98501. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, you may request a formal appeal within 30 days from the date you receive the Habitat Program Director's or designee's written decision in response to the informal appeal.

- C. **FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS:** If there is no timely request for an appeal, the WDFW action shall be final and unappealable.



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Kevin Lee
Regional Habitat Biologist
(425) 775-1311 [x101]
kevin.lee@dfw.wa.gov

A handwritten signature in black ink, appearing to read "Kevin Lee", written over a horizontal line.

For Director
DFW