

<b>Project Name</b>	SA Article 3: Cowlitz Restoration and Recovery Fund CRR Implementation Strategy: Interim update
<b>Date Proposal Summited</b>	9/9/2021
<b>Date of Requested Decision</b> <sup>1</sup>	11/2/2021
<b>Requested By</b>	Travis Nelson
<b>Date of Decision</b>	11/9/2021

**FTC Decision and Justification**

Tacoma Power consulted with the FTC on proposed interim updates to the CRR Implementation Strategy that was distributed to the FTC on October 26, 2021. The following FTC members were present at the meeting: Washington Department of Fish and Wildlife (Bryce Glaser), Ecology (Carol Serdar), NOAA Fisheries (Scott Anderson, and Tacoma Power (Travis Nelson). Each person voiced support for adopting the CRR Implementation Strategy 2021 Interim Update that is attached to this decision document.

The Decision document will be circulated to members not present and become final on November 9, 2021 if no objections are received from other FTC members.

**Proposed Decision for Consideration**

Tacoma Power proposes adopting the 2021 interim update to the CRR Implementation Strategy (see attachment), replacing the original version (2017). The 2021 interim update primarily addresses the integration of the CRR habitat proposals into the Lower Columbia Fish Recovery Board (LCFRB) salmon recovery grant round, allows for indirect costs, and also makes some other elements more current (e.g., administrative details). It is necessary because the CRR Implementation Strategy is a fundamental source of program information for potential habitat project proponents, and the LCFRB will be announcing the 2022 grant round in late 2021. A comprehensive update to the CRR Implementation Strategy including updates specific to Hatchery Associated Production (HAP) projects is anticipated in 2022.

**Background**

The FTC approved the original CRR Implementation Strategy (2017 Strategy) in May 2017 (DD 2017-06). As described in that decision document, *“This document [CRR Strategy] provides a comprehensive strategy for utilizing the CRR funds to conduct habitat restoration projects that will benefit the recovery of listed species destined for the Cowlitz Basin upstream of the barrier dam.”* The 2017 Strategy provided general CRR program information and was largely focused on habitat restoration. It included the original approach to integrate the LCFRB grant round, as well as general plans for funding habitat assessment work in support of the program. It acknowledged that Article 5 of the Settlement Agreement included general guidance for the potential to expend CRR funds on hatchery production, and include initial guidance on hatchery-associated production (HAP) projects that would later be expanded in the HAP Guiding Principles document (approved October 2018). It also acknowledged that HAP projects would be evaluated separately using a different process. The 2017 Strategy was a fundamental

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<sup>1</sup> Decision will be approved if FTC members who were not present at this meeting do not oppose proposed decision within the 7 day waiting period

source of program information in preparing for implementation of the initial CRR Program grant round in 2019.

Starting in 2022, the LCFRB will again integrate CRR habitat proposals into its salmon recovery grant round (DD 2021-03). The grant round will be announced in late 2021, for which the Strategy will be a fundamental source of program information for proposal proponents and others. The 2017 Strategy is in need of comprehensive update, including addressing HAP elements of the CRR Program in greater detail. Tacoma Power prepared the 2021 Strategy interim update to support the LCFRB grant round and establish placeholders for topics that will need to be addressed in the comprehensive update.

Tacoma Power's approach to the 2021 Strategy interim update was to make as few changes as possible with the primary purpose of addressing the integration of the CRR habitat proposals into the LCFRB salmon recovery grant round, including revisions needed to support that grant round. It also does the following in order to bring the document up to date:

- Clarifies the FTC'S role in decision-making on all funding decisions
- Updates descriptions of CRR accounting and funding cycles
- Updates the habitat assessment section to reflect work completed to date
- Makes the document broadly applicable to habitat and HAP projects
- Allows for indirect costs
- Select edits for clarity, alignment, and corrections

Substantial changes to the program that will require more coordination with stakeholders as well as all updates related to HAP projects, guidance, and grant round, are being deferred to allow more time for development and coordination with the FTC. A comprehensive update to the Strategy is anticipated in 2022.

Tacoma Power introduced the 2021 Strategy interim update at the September 2021 FTC meeting. A review draft with all changes to the 2017 Strategy was sent to the FTC on September 9, 2021. A second revision was set by Tacoma Power on September 27, 2021 incorporating comments from the FTC. A third revision was sent by Tacoma Power on October 26, 2021 to allow indirect costs following discussion at the October FTC meeting.

### **Coordination Need**

The 2021 Strategy interim update will need to be made available to potential project proponents and others, replacing the 2017 version. Tacoma Power will update the CRR website ([mytpu.org/CRR](http://mytpu.org/CRR)) and the LCFRB also will post the interim strategy on their CRR habitat grant round website (under development). It will be noted on both websites that a complete strategy update is anticipated by 2022.

### **Summary of Potential Changes**

The 2021 interim update to CRR Implementation Strategy will replace the 2017 CRR Implementation Strategy. This update primarily addresses the integration of the CRR habitat proposals into the LCFRB salmon recovery grant round. It also includes necessary revisions as described to bring the Strategy up to date for use in 2022 LCFRB salmon recovery grant round.

## Cowlitz Restoration and Recovery (CRR) Fund Implementation Strategy 2021 Interim Update

### Introduction:

The Cowlitz Restoration and Recovery (CRR) Fund Implementation Strategy (Strategy) expands on the guiding principles of the 2014 Cowlitz Restoration and Recovery Fund Implementation Plan (Plan). The Implementation Strategy documents the Cowlitz Fisheries Technical Committee (FTC) decisions and priorities to be incorporated into a system for solicitation and evaluation of potential activities to protect and restore listed salmonid populations in the Cowlitz River Basin upstream of Barrier Dam. The original Strategy was completed in 2017. This 2021 interim update is needed in advance of the 2022 grant round in partnership with the Lower Columbia Fish Recovery Board (LCFRB). A second update is anticipated in 2022 in advance of the next grant round for hatchery-associated production (HAP) projects.

### Purpose:<sup>2</sup>

- Protect and promote restoration and recovery of upper Cowlitz River basin salmonid populations listed under the federal Endangered Species Act (ESA).

### Goals:<sup>3</sup>

- Achieve recovery viability targets set forth in the Washington Lower Columbia Salmon Recovery and Fish & Wildlife Subbasin Plan (Recovery Plan).
- Achieve habitat impact reduction targets set forth in the Recovery Plan and presented in Table 1 below.

The Recovery Plan includes an assessment of baseline population viability at the time of listing and sets goals for improvement in population viability targets necessary to achieve minimum viability status. The Recovery Plan also identifies how different threats (i.e., Habitat, Dams, Fisheries, Hatcheries and Ecological Interactions) impact the productivity and viability of each

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<sup>2</sup> CRR Implementation Plan (1/7/14)

<sup>3</sup> Lower Columbia Salmon Recovery and Fish & Wildlife Subbasin Plan (May 2010)

ESA-listed population in the lower Columbia River system. Additionally, the Recovery Plan sets targets for each population to reduce the impact of each threat to assist in achieving its minimum viability goal.

Table 1 includes information from the Recovery Plan that is specific to all Upper Cowlitz basin salmon and steelhead populations. Fall Chinook originating from the Upper Cowlitz, Cispus, and Tilton Rivers are considered a single ESA-listed population. For spring Chinook, coho, and steelhead, each species has three designated populations: Upper Cowlitz, Cispus, and Tilton. Table 1 presents the baseline viability assessment and minimum viability goal (Recovery Objective) plus information regarding impacts from the Habitat threat: 1) baseline impacts at time of listing, 2) reduction in impacts set forth by the Recovery Plan (Target Reduction), and 3) outcome of reduction that would allow the population to achieve minimum viability (Recovery Objective) for each population.

Table 1. Summary of population viability and impacts from the habitat threat for all populations in the Cowlitz basin upstream of Barrier Dam. Includes information regarding estimated status at time of initial listings (1998) and Lower Columbia Recovery Plan targets to assist in achieving minimum viability status. Targets for reducing habitat threats are based on desired population productivity improvements associated with improving manageable stream habitat conditions. Stream habitat target reductions are determined in balance with the five other manageable impact factors (estuary/mainstem habitat, hydropower, harvest, hatcheries, and predation).

Basin	Population Designation		Population Viability**		Impacts from Habitat Threat		
			Baseline*	Recovery Objective	Baseline*	Target Reduction	Recovery Objective
Upper Cowlitz	Spring Chinook	Primary	Very Low	High+	0.90	50%	0.45
	Winter Steelhead	Primary	Very Low	High	0.40	50%	0.20
	Coho	Primary	Very Low	High	0.40	50%	0.20
Cispus	Spring Chinook	Primary	Very Low	High+	0.90	50%	0.45

	Winter Steelhead	Primary	Very Low	High	0.60	50%	0.30
	Coho	Primary	Very Low	High	0.50	50%	0.25
	Spring Chinook	Stabilizing	Very Low	Very Low	0.80	0%	0.80
Tilton	Winter Steelhead	Contributing	Very Low	Low	0.90	50%	0.45
	Coho	Stabilizing	Very Low	Very Low	0.95	0%	0.95
Upper Cowlitz***	Fall Chinook	Stabilizing	Very Low	Very Low	0.80	0%	0.80

\* Conditions in 1998 prior to federal ESA listings of lower Columbia steelhead, Chinook and chum salmon

\*\* Viability categories defined by National Marine Fisheries Service as described in Recovery Plan (Section 4.2.1)

\*\*\* Includes Tilton, Cispus and Upper Cowlitz basins

Source: Washington Lower Columbia Salmon Recovery and Fish & Wildlife Subbasin Plan

### **Overview:**

The CRR fund is intended to support activities that will protect and promote recovery of listed species *in lieu* of construction and operation of volitional upstream passage facilities on the Upper Cowlitz River. Article 3 of the Cowlitz River Hydroelectric Project Settlement Agreement (Settlement Agreement) calls for the expenditure of the CRR Fund if it is determined that:

*“...expenditure of the escrow account on such additional measures in lieu of volitional upstream facilities is necessary and appropriate to achieve natural stock restoration, consistent with the express purpose of the license and the Settlement Agreement, and with applicable recovery plans for the listed Cowlitz River stocks...”*

Consistent with Project License Article 3, Tacoma Power established an account in the amount of \$15 million (plus annual interest) in July 2008 known as the Cowlitz Restoration and Recovery Fund (CRR Fund) to be used to promote restoration and facilitate recovery of Upper Cowlitz River basin salmonid populations listed under ESA. The intent of this program and funding source is to support actions not otherwise covered by specific resource protection, mitigation, and enhancement (PME) measures identified in the Cowlitz Hydroelectric Project License, Settlement Agreement, or the Biological Opinion (BiOp).

In keeping with the direction provided by Article 3 of the Settlement Agreement and the CRR Implementation Plan, the CRR Fund will be used to support the following activities:

- Conduct a Habitat Assessment (see Habitat Assessment section) to guide protection and restoration activities.
- Implement on-the-ground projects, or activities that lead to on-the-ground projects, aimed at protection or restoration of habitat for priority species within the geographic focus areas.
- Implement on-the-ground hatchery-associated production projects aimed at reintroduction and recovery of Spring Chinook in the Upper Basin (see Hatchery-Associated Production section).

The goal of the CRR Fund is to assist in the protection and recovery of listed populations consistent with the recommendations of the Washington Lower Columbia Salmon Recovery and Fish & Wildlife Upper Cowlitz Subbasin Plan (LCFRB 2010, Vol. II.F).

By focusing use of the CRR Funds on habitat protection and restoration projects in combination with other fishery-related activities (e.g. reintroduction efforts, hatchery and harvest reform actions), the benefits to the recovery of listed populations will increase. Use of the CRR Fund for other fishery-related activities will only be considered if that activity results in a direct benefit to the protection or recovery of listed populations originating upstream of Barrier Dam.

#### **Fund Structure:**

This Implementation Strategy focuses on implementing projects that benefit listed salmon and steelhead originating upstream of Barrier Dam. Partnerships and cost sharing opportunities will

be pursued at the project level. The goal of this strategy is to build support and momentum for habitat restoration and population recovery actions by implementing visible projects that display a tangible benefit to listed salmon and steelhead populations and the habitat they depend on. As other entities observe the positive actions being implemented, it is expected that interest in these recovery activities will increase.

In the future, there may be opportunities to expand partnerships and cost sharing agreements beyond the project level to a program scale. Currently there is a lack of partnerships in the basin. Existing funding sources available to support habitat protection and restoration activities are focused broadly across the lower Columbia region and limited funds are available to invest specifically in the Cowlitz basin upstream of Barrier Dam. Over time, possibilities of implementing a program that leverages funds from a variety of sources may be investigated to maximize the benefit of investments provided through the CRR Fund.

This CRR Fund Implementation Strategy provides priorities for on-the-ground projects, with respect to location and target species, to be supported by the CRR Fund (see Priorities for Restoration Projects and Land Acquisition section). Allocation of the CRR Fund between different project categories will be determined by the FTC within the granting cycle. During this initial phase of the Implementation Strategy, the CRR Fund will be made available to implement projects that directly benefit salmon and steelhead recovery as described above. Broad support for this Implementation Strategy is expected to grow and future allocations between project categories or activities may be necessary as increased partnerships are developed.

### **Funding Cycle:**

The CRR Fund resides in a sole-purpose account within the City Treasurer's Tacoma Investment Pool, which functions similarly to an escrow account. The Tacoma Public Utility Board (PUB) approved the authorization to establish the CRR Program with the expectation that requests for funding would be up to \$3,000,000 per biennium. Tacoma Power may request additional funds from the PUB through separate resolution for extraordinary opportunity or unique project circumstances. The FTC will review the fund status, current year expenditures, and forecast expenditures for the upcoming year (based existing agreements and approved proposals) in the annual report to FERC. All CRR account funds will be expended by the end of the License period in 2037.

The model of allocating funds on a biennial cycle allows for a call for proposals, review and ranking of proposals, and funding decisions to be made every two years. Tacoma Power and the FTC prefer to retain flexibility in the process. By consensus, the FTC may elect to award the entire biennial budget in the first year, retain a portion of the allocated funds for award in the second year of the cycle, make funds not awarded in the first year available in the second year, or not fund any proposed projects based upon the quality and fit of projects to meet CRR Fund implementation goals. Retaining flexibility will also include early review of the award process by the FTC to evaluate effectiveness in achieving CRR Fund goals and objectives and assess the need to change the award process. While the PUB resolution establishing the CRR Program limits the default biennial funding threshold to \$3,000,000, there is flexibility to request additional

funds. At this time, no funding thresholds have been identified to limit the amount awarded to a specific project category (e.g., habitat restoration or HAP projects), or to limit the amount awarded to an individual project. In addition, funding agreements may span multiple years, typically three years with a maximum of five years. Extensions and amendments for unforeseen circumstances may be possible if approved by the FTC.

**Habitat Proposal Review Process:**

The FTC has committed to a stepwise rigorous and peer reviewed process to ensure that the best available science is used to select habitat acquisition and restoration projects funded through the CRR Implementation Strategy that provide recovery benefits for listed salmon and steelhead originating from the Cowlitz basin upstream of Barrier Dam (see Figure 1).

The FTC has developed a partnership with the Lower Columbia Fish Recovery Board (LCFRB) to assist in the proposal review process. A request for project proposals consistent with the goals and priorities of the CRR Fund Implementation Plan will be released concurrently with the LCFRB's regular funding round for Salmon Recovery Funding Board (SRFB) projects. Review of project proposals competing for CRR Funds will be nested within the larger funding review process for the LCFRB Lead Entity.

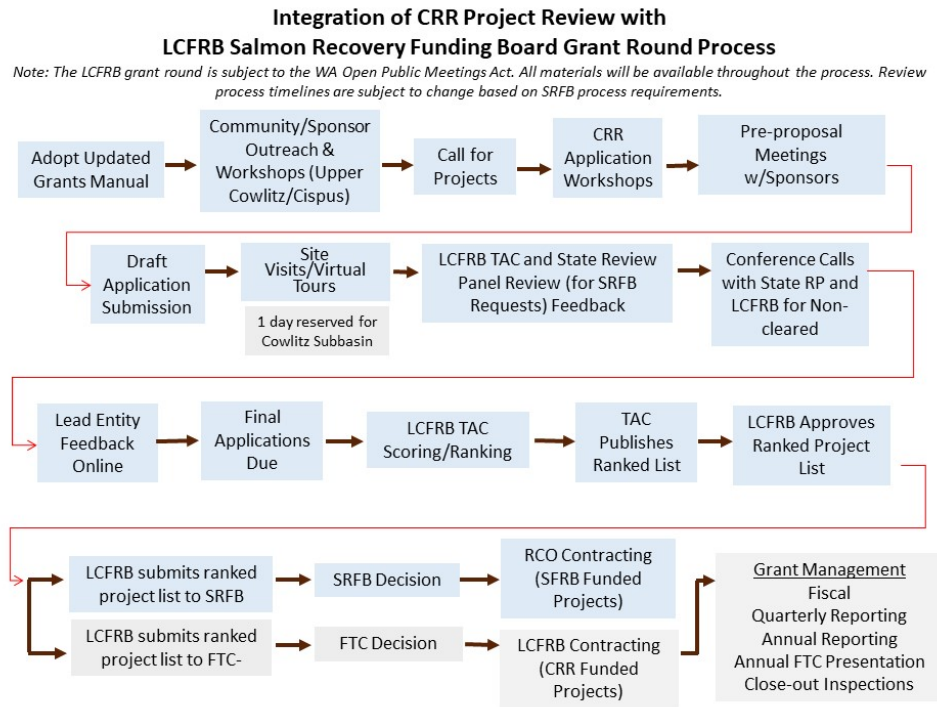
The LCFRB will utilize their Technical Advisory Committee (TAC) and Board to provide an initial review of projects, using their standard scoring, ranking, and review process during the SRFB grant round. The LCFRB will then use additional criteria agreed to by the FTC to ensure projects considered for CRR Funds will meet the geographic and species specific goals of the program. These criteria include priority for actions identified through or aligned with CRR habitat assessment, where applicable. The LCFRB will present the FTC with a ranked list of projects recommended for funding in a given year. The process will continue as outlined in Figure 1.

Tacoma Power and the LCFRB have entered into an interagency agreement formalizing the agreement for the LCFRB to provide technical review of CRR habitat proposals. The ranking criteria, proposal review, and funding process will be established in further detail in subsequent CRR program application manuals, prepared by the LCFRB, designed to guide applicants through the process. The interagency agreement also describes agreement for the LCFRB to manage CRR habitat grants starting with the 2021 grant round. The grants management process will be established in further detail in subsequent CRR grants manuals, prepared by the LCFRB.

In some cases there may be extenuating circumstances that arise and result in a need to modify the aforementioned review process. At the discretion of the FTC, modifications to the review process could be considered and addressed only on a case by case basis. Extenuating circumstances resulting in a project receiving streamlined review consideration are limited to emergencies or extremely time sensitive opportunities that unexpectedly arise, namely acquisition of at-risk properties, and cases in which completion of the regular, annual review process would prohibit a high priority project or action from being implemented. All eligibility requirements and ranking criteria will be consistently applied to proposals considered for a modified review process.



Figure 1. CRR Fund Habitat Restoration Project Review Process (blue is process for LCFRB/SFRB inclusive of CRR; grey is CRR-specific process)



**HAP Proposal Review Process:**

*Placeholder – to be updated before 2022 HAP funding announcement*

**Funding Decisions:**

The FTC determines how CRR funds will be expended, such as which proposals will be funded or funding the development of other tools to support the Implementation Strategy. The FTC will consider the ranked recommendations for habitat and HAP proposals in any given year and determine which proposals should receive funding. The FTC may modify the rankings. The FTC may elect to not fund a recommended project, even if funding is available, based upon the quality and fit of projects to meet CRR Fund implementation goals. Funding determinations will be formalized in a decision document.

If the total funding determination is within the available biennial allocation, Tacoma Power will submit the approved project list to the Utilities Director for funding. If the total funding determination exceeds the available biennial allocation, Tacoma Power may request additional funds from the PUB.

Because the FTC decides how to expend CRR funds, they also make decisions regarding project amendments that reduce or increase a grant award amount. For example, the FTC would approve project amendments that reduce the scope of a project or require an additional funding request. The FTC will evaluate project amendments for both habitat projects (brought by the LCFRB) and HAP projects, and will (formalize their determination in a decision document.

**Matching Fund Requirements:**

While proponents are encouraged to show matching or leveraged funds in their budget proposals to the CRR Fund program, a specific match amount will not be required. Tacoma Power and the FTC, in coordination with the LCFRB for habitat proposals, will incentivize leverage of CRR funds through the proposal scoring process. Project proposals should show total projects costs alongside the CRR funding request as well as the amount and status of other matching funds to facilitate FTC review and lend a whole-project perspective of the proposed project scope and budget.

**Priorities for Restoration Projects and Land Acquisition:**

The CRR Implementation Plan identifies priorities for habitat restoration and land acquisition activities that will support the restoration and recovery of Cowlitz listed salmonid populations originating in the upper basin, upstream of Barrier Dam. Spring Chinook are further prioritized over other species because of their importance to recovery. Recovery of the Lower Columbia Chinook Evolutionarily Significant Unit (ESU) requires that Upper Cowlitz and Cispus spring Chinook achieve Recovery Plan population viability goals. The Upper Cowlitz and Cispus watersheds are prioritized over other parts of the Cowlitz subbasin based on the 2010 Recovery Plan population viability recovery objectives for Upper Cowlitz and Cispus populations. The Upper Cowlitz subbasin (including the Cispus River), Tilton subbasin, and lower Cowlitz subbasin are illustrated in Figure 1.

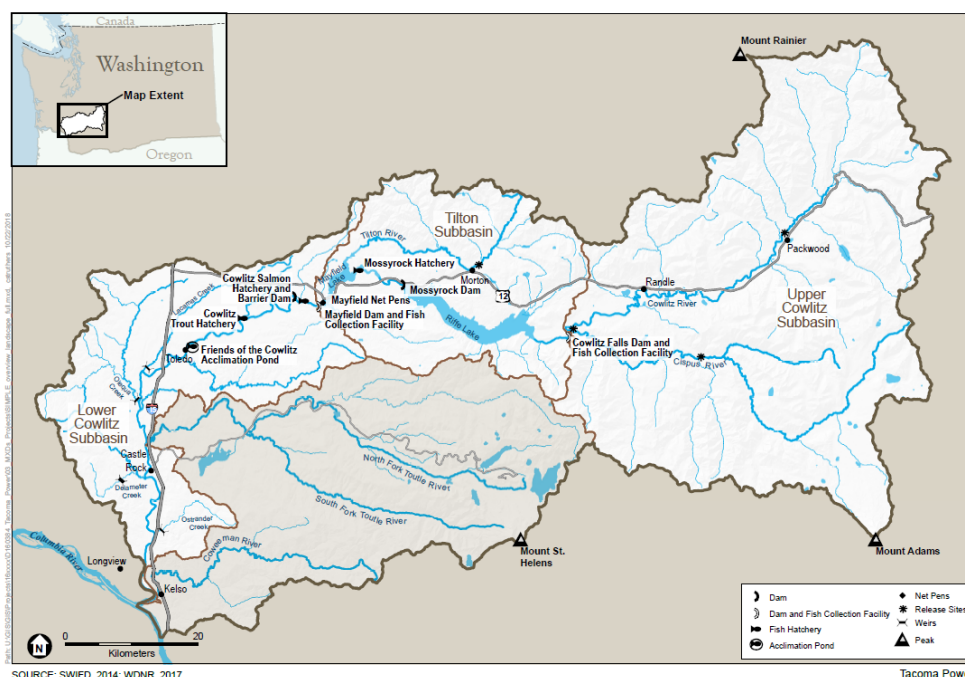
The geographic boundary of the CRR Program consists of the Cowlitz River basin upstream of the mouth of the Toutle River. This includes the main stem Cowlitz River, tributary confluences below Mayfield Dam, and the entire basin upstream of Mayfield Dam. By combining the species prioritization and the geographic boundaries, the CRR Program project priorities are listed in ranked order as follows.

Projects directly benefiting:

1. Upper Cowlitz subbasin Spring Chinook
2. Upper Cowlitz subbasin Steelhead and Coho
3. Tilton salmon and steelhead (listed populations) and Upper Cowlitz Fall Chinook (distribution currently limited to the Tilton River)
4. Lower basin listed salmon and steelhead having a high proportion of matching funds

While this Implementation Strategy prioritizes activities focusing on spring Chinook in the Upper Cowlitz subbasin, it does not exclude activities occurring in other geographic locations (e.g. Tilton River) as long as proposed activities also benefit other listed species (e.g. coho and winter steelhead) originating upstream of Mayfield Dam. Proposed habitat activities downstream of the Barrier Dam will be evaluated based on their benefits to populations originating upstream of Mayfield and Cowlitz Falls dams. The initial prioritization presented above may be re-evaluated upon completion of a habitat assessment and/or changes in the Recovery Plan.

**Figure 2. Cowlitz River Subbasins**



**Habitat Assessment:**

Habitat assessments have been conducted to inform high priority restoration or protection projects. As planned, these assessments have largely focused on the Upper Cowlitz and Cispus watersheds above Cowlitz Falls Dam and on spring Chinook priority life history stages, with the understanding that projects addressing spring Chinook limiting factors will likely benefit other species. The Upper Cowlitz and Cispus (UCC) Habitat Strategy<sup>4</sup>, which builds upon the Recovery Plan<sup>5</sup>, was completed in 2019 by the LCFRB in partnership with Tacoma Power and other stakeholders. It was in part supported by the CRR fund. The UCC Habitat Strategy describes physical and habitat characteristics of the Upper Cowlitz and Cispus watersheds in the context of salmon recovery, and provides a strategy for restoration and protection of aquatic habitat and associated ecological processes. It is primarily focused on the restoring valley floodplain function and stream habitat diversity. It identifies strategic objectives by landscape unit, habitat actions to address them, and also action priority areas. Hydraulic modeling of the Randle to Packwood reach of the Upper Cowlitz River<sup>6</sup>, and a geomorphic assessment of much of the Upper Cowlitz and Cispus Rivers<sup>7</sup> also have been completed. These assessments were in process and considered during the development of the UCC Habitat Strategy. Previous habitat review includes the upper Cowlitz (e.g. Upper Cowlitz River Basin Reach Characterization Project – Identifying Reaches Suitable for Protection<sup>8</sup>).

Additional habitat assessments may be identified by the FTC or proposed by Tacoma Power, the LCFRB, or others in the future.

**Hatchery-Associated Production:**

*This section will be completed / updated prior to the next HAP project grant round in the 2021 final version of this document. This version is retained as placeholder.*

Article 3 of the Settlement Agreement provides for the expenditure of funds from the escrow account that serves as the CRR Fund (see Overview section). Article 5 of the Settlement Agreement provides general guidance regarding the expenditure of the CRR Fund on hatchery production:

*“... unless a decision has been made pursuant to Article 3 to not construct volitional upstream passage during the remaining term of the license, at which time hatchery*

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<sup>4</sup> Upper Cowlitz and Cispus Habitat Strategy: Upper Cowlitz and Cispus Rivers, Washington. Prepared for Lower Columbia River Fish Recovery Board by Inter-Fluve, Cramer Fish Sciences, and Lower Columbia Fish Recovery in collaboration with the Upper Cowlitz Cispus Work Group. December 2019.

<sup>5</sup> Washington Lower Columbia Salmon Recovery and Fish & Wildlife Subbasin Plan, Volume II.F – Upper Cowlitz Subbasin (Potential change in populations performance with degradation and restoration ladder diagrams

<sup>6</sup> Cowlitz Restoration and Recovery Habitat Assessment: Hydrodynamic Modeling and Habitat Suitability Assessment, Final Report. Prepared by Anchor QEA for Tacoma Power. March 2020.

<sup>7</sup> Preliminary Geomorphic Assessment Memo: Cowlitz River Geomorphic Assessment. Prepared for Tacoma Power by Natural Systems Design. February 2019.

<sup>8</sup> Upper Cowlitz River Basin Reach Characterization Project – Identifying River Reaches Suitable for Protection, prepared for Tacoma Power by CardnoEntrix, Project Number 4285004, April 2, 2014.

*production may be considered as part of the plan to expend the funds in the escrow account for the purposes of protection and promoting recovery of listed stocks...”*

Article 3 of the Settlement Agreement clearly states that the CRR Fund (escrow account) was specifically established as a measure to be implemented *in lieu* of volitional upstream passage to benefit natural recovery of listed stocks. Article 5 specifically states that expenditures from the CRR Fund (escrow account) need to be consistent with protection and recovery goals of listed stocks. Consistent with the direction provided by the Settlement Agreement, any expenditures of the CRR fund for hatchery-associated production must achieve the purpose of protection and facilitate recovery of listed populations originating in the Cowlitz basin upstream of Barrier Dam.

Use of CRR Funds for hatchery-related fish enhancement projects will be considered; however, evaluation will depend solely upon how proposed efforts will protect and promote recovery of listed populations originating in the Cowlitz basin upstream of Barrier Dam. The limiting factors identified in the Recovery Plan (LCFRB 2010) should be used to identify the types of actions proposed, such that projects constructed and/or operated address limiting factors to promote recovery of listed populations originating from upstream of Barrier Dam.

If the FTC identifies utilization of remote site rearing/acclimation projects for fish enhancement as necessary for recovery of target populations, then these actions may be funded by the CRR. The scope of fish production activities will focus on projects that are small, temporary, and focused in areas that are underutilized, or where fish access was previously precluded by barriers that have now been addressed, to ensure utilization and increase spatial distribution of target populations. These enhancement programs will only be used to meet population viability goals and therein not be made available to the fishery. Hatchery programs whose purpose is to maintain or increase harvest will not be considered for funding through the CRR Fund. The hatchery activities specifically required by the Cowlitz License Articles or Settlement Agreement (e.g. satellite rearing ponds) will not be eligible for funding through the CRR Fund.

The types of hatchery projects that could be considered for use of the CRR Fund include:

- Utilization of Remote Site Incubators (RSI) to address egg to emergence survival issues.
- Distribution of fry or fingerlings to colonize areas where adequate habitat exists, but is currently underutilized by anadromous salmonids.
- Acclimation of smolts to areas in the watershed where quality habitat exists but is underutilized, thereby expanding the geographic range of the natural origin population.
- Introduction of fish into areas where habitat restoration improvements have occurred or passage barriers have been addressed to ensure utilization of restored habitat.

Hatchery-associated production funded through the CRR Fund should be short term, with the intention to address limiting factors and benefit natural origin populations during the early time frame of the recovery program. It is important to note, recovery is a long term process. Remote site/acclimation projects should be designed to be consistent with natural processes,

appropriately sited, and value-added to long term habitat restoration targets to support self-sustaining fish populations.

Review and ranking of hatchery-associated project proposals will be completed by the CRR Subcommittee and the FTC.

### **Project Eligibility Criteria**

As mentioned in previous sections, the CRR Fund will be awarded to projects that promote activities to protect and restore listed salmonid populations in the Cowlitz River basin upstream of Barrier Dam. Any conservation group registered as a non-profit, Native American Tribe, Regional Fisheries Enhancement Group, Conservation District, or other local, state, or federal governmental entity, including Tacoma Power, may propose a CRR project. Public works entities may propose habitat or HAP projects that meet the criteria and priorities listed in this strategy. Private landowners are allowed to propose restoration projects on their own property, but not acquisition projects. Proposals will be considered as long as they are consistent with the solicitation process and meet the criteria and priorities listed in this Implementation Strategy.

Some projects or elements of projects are ineligible as match or for reimbursement. Activities that are ineligible for reimbursement or match include:

- Property acquisition through eminent domain.
- Mitigation projects, activities, or funds.
- Monitoring and maintenance as stand-alone projects.
- Effectiveness monitoring costs associated with a project, including purchase of equipment to monitor a restoration or acquisition project.
- Construction of buildings or indoor facilities.
- Capital facilities, public works projects, projects with a primary purpose of flood mitigation, and infrastructure elements, such as sewage treatment facilities, surface and storm water management systems, flood management structures, and water supply systems.
- Converting from septic to sewage treatment systems.
- Operation or construction of fish hatcheries.
- Operation of hydropower facilities.
- Fish harvest and harvest management activities.
- Fishing license buy-back.
- Lobbying or legislative activities.
- Costs to prepare or apply for a grant (or other grant funding).
- Projects that do not address an important habitat condition or watershed process, or that focus mainly on supplying a secondary need.
- Planning projects intended only for research purposes, stand-alone monitoring, or general knowledge and understanding of watershed conditions and functions.

Proposed resource projects must be consistent with Federal and State laws and policies in effect at the time the project is approved. Indirect costs are eligible for CRR funding and will be evaluated as a part of the overall proposal cost. Project eligibility criteria, application instructions, review and raking criteria, and contracting roles and responsibilities of the grantor and the grantee will be further defined in CRR application manuals for habitat restoration, acquisition, and hatchery associated projects. These manuals will be drafted and updated annually by LCFRB and Tacoma Power in coordination with the FTC.

### **Monitoring**

CRR Fund recipients will be required to monitor project implementation to ensure projects are completed as proposed. Project proponents will be required to report on the project implementation process and status as part of contract administration by providing as-built documentation and final reporting on project accomplishments and metrics. Tacoma Power and the FTC will complete final project inspections prior to final payment and contract close out.

CRR funds are not available for project performance, effectiveness, or validation monitoring. Fund recipients are encouraged to monitor projects as they are able. If monitoring activities are completed, Tacoma Power requests copies of monitoring reports. Tacoma Power reserves the right, using their own funds, to evaluate CRR projects for performance, effectiveness, and validation metrics and fund recipients shall make reasonable accommodation to provide Tacoma Power staff access to project sites following implementation.