Fish Barrier Removal Board
Match Guidance

**Match Requirements [RCW 77.95.170]**

The grant program shall require a minimum dollar match rate that is consistent with the funding authority’s criteria. If no funding match is specified, a match amount of at least twenty-five percent per project is required. For local, private, and volunteer projects, in-kind contributions may be counted toward the match requirement.

**Match Specifications**

- Match requirements are subject to change after the 17/19 biennium at the discretion of the Fish Barrier Removal Board.
- For the initial competitive grant round (17/19 BN), the required match must equate to a minimum of 15% of the funding request. For phased projects, 15% match is required per phase/contract. For example, a design-only contract requires 15% match.
- Matching resources may include cash, bond funds, grants (unless prohibited by the funding authority), in-kind labor, equipment/materials and other fish passage projects.

**Match Certification Credit**

The preference of the Fish Barrier Removal Board is for the project sponsor to provide a 15% match described above. However, the board recognizes that under certain circumstances a project match may be a hardship for the project sponsor. A match certification credit may be utilized to meet the spirit of providing matching resources and help increase coordination within a watershed.

An eligible match certification credit is defined as the following:

- **Other fish passage barrier removal within the same watershed by the same sponsor** – The project sponsor is constructing a fish passage project within the same watershed that is currently under contract (construction or grant) or the project has been constructed within the four previous years. The constructed project must meet WDFW standards and be 100% passable.

- **Another entity is constructing a fish passage project in the same watershed** – The project sponsor may partner with the other entity constructing the fish passage project in the same watershed. The fish passage project must be currently under contract (construction or grant) and be funded with funds other than the Fish Barrier Removal Board. The project must meet WDFW standards.

- **Project Sponsor Hardship** – The project sponsor is not able to meet the minimum 15% match.
To apply for a match certification credit, please submit the following information based on one of the three scenarios outlined above. Submit a letter for approval of the match certification credit along with the information listed below to the Fish Barrier Removal Board c/o WDFW Fish Passage Division (ADD address and contact information)

1. **Other fish passage barrier removal within the same watershed by the same sponsor**
   a. Completed Match Certification Credit Form (basic information plus attachments listed below)
      i. Submit a map and description of the project
      ii. Provide photos of the site
      iii. Provide barrier assessment information, when and who conducted the survey
      iv. Provide a preliminary design, final design, or as-built drawings
      v. Estimated or final cost of the project with supporting documentation

2. **Another entity is constructing a fish passage project in the same watershed**
   a. Completed Match Certification Credit Form
      i. A letter from the sponsor removing the barrier (e.g., county, city, forest landowner, RFEG or CD) certifying the project is either under contract (construction or grant), included on a public works list and in the design or permitting phase, or a grant application is in the process of being awarded to remove the barrier. The letter must be signed by someone with signature authority within the organization.
      ii. Submit a map and description of the project
      iii. Provide photos of the site
      iv. Provide barrier assessment information, when and who conducted the survey
      v. Provide a preliminary design, final design, or as-built drawings
      vi. Estimated or final cost of the project with supporting documentation

3. **Project Sponsor Hardship**
   a. Completed Match Certification Form
      i. Provide a statement describing the match amount (or percentage) your organization can commit. Please detail the type of match and dollar or in-kind value.
      ii. Explain the resources that have been investigated for potential match
      iii. Explain the organizational hardship

The Fish Barrier Removal Board will review match eligibility for all proposed projects and may approve or deny match eligibility on a case-by-case basis.

The Fish Barrier Removal Board will track match sources to avoid double matching.
Coordinated Project Pathway
Project Ranking Criteria

Tier 2 Ranking – (45 Total Points)

1. **Habitat Quality Weighted Linear Gain** (10 points)
   - ≤999 – 1 point
   - 1000-1999 – 2 points
   - 2000-2999 – 3 points
   - 3000-3999 – 4 points
   - 4000-4999 – 5 points
   - 5000-5999 – 6 points
   - 6000-6999 – 7 points
   - 7000-7999 – 8 points
   - 8000-8999 – 9 points
   - ≥9000 – 10 points

2. **Project Readiness** (8 points)
   - Score of 1 – 1 point
   - Score of 2 – 3 points
   - Score of 3 – 5 points
   - Score of 4 – 6 points
   - Score of 5 – 8 points

3. **Barrier Status** (8 points)
   - Total barrier – 8 points
   - 33% passable – 6 points
   - 67% passable – 3 points
   - Unknown passability – 2 points
   - 100% passable – 0 points

4. **Number of anadromous species** (4 points)
   - 1 point for each anadromous species
5. **Status Rating** – Highest level of protection for a present species (4 points)

   - Un warranted – 1 point
   - Species of Concern/Candidate – 2 points
   - Threatened – 3 points
   - Endangered or >1 threatened species – 4 points

6. **Level of Coordination** - Restoration within the last 5 years (5 points)

   - No recent restoration – 0 points
   - 1 project – 1 point
   - 2 projects – 2 points
   - 3-4 projects – 3 points
   - 5-6 projects – 4 points
   - ≥7 projects – 5 points

7. **Project Cost** (6 points)

   - ≥$3 Million – 1 point
   - $2 Million-$3 Million – 2 point
   - $1 Million-$2 Million – 3 points
   - $500,000-$1 Million – 4 points
   - $250,000-$500,000 – 5 points
   - ≤$250,000 – 6 Points
Coordinated Project Pathway
Top 30 Barrier Packages

Cade Roler – WDFW
June 2016
Valley Creek
Trib to Strait of Juan De Fuca

- Number of barriers in nomination: 1
- Ownership: City of Port Angeles
- Passability: 33% / Slope
- Gain to next barrier: 0.47 Miles
  Second barrier is 2.92 Miles
- Cost: $2,100,000
  - Includes additional restoration work
Chico Creek
Trib to Dyes Inlet

- Number of barriers in nomination: 1
- Ownership: Kitsap County
- Passability: 67% / Drop
- Gain to next barrier: Surveys are underway
- Cost: $3,472,000
  - Includes additional restoration work
Big Soos Creek
Trib to Green River

- Number of barriers in nomination: 1
- Ownership: BNSF - Railroad
- Passability: 33% / Velocity
- Gain to next barrier: 13.17 Miles
- Cost: Waiting on estimate
Turner Creek
Trib to Coweeman River

- Number of barriers in nomination: 1
- Ownership: Cowlitz County
- Passability: 0% / Slope and Drop
- Gain to next barrier: 2.6 Miles
- Cost: $1,000,000
John’s Creek
Trib to Oakland Bay

- Number of barriers in nomination: 2
  - Site Number: 1
- Ownership: Mason County
- Passability: Unknown
- Gain to next barrier: 0.13 Miles
- Cost: $1,608,303
John’s Creek
Trib to Oakland Bay

• Number of barriers in nomination: 2
  – Site Number: 2
• Ownership: Mason County
• Passability: Debris
• Gain to next barrier: 6.41 Miles
• Cost: $4,237,275
Fisher Creek
Trib to Carpenter Creek

- Number of barriers in nomination: 4
  - Site Number: 1
- Ownership: Skagit County
- Passability: 67% / Drop
- Gain to next barrier: 2.66 Miles
- Cost: Waiting on estimate
Fisher Creek
Trib to Carpenter Creek

- Number of barriers in nomination: 4
  - Site Number: 2
- Ownership: Skagit County
- Passability: 67% / Drop
- Gain to next barrier: 1.44 Miles
- Cost: Waiting on estimate
Starbird Creek
Trib to Fisher Creek

- Number of barriers in nomination: 4
  - Site Number: 3
- Ownership: Skagit County
- Passability: 33% / Depth
- Gain to next barrier: 0.52 Miles
- Cost: Waiting on estimate
Starbird Creek
Trib to Fisher Creek

- Number of barriers in nomination: 4
  - Site Number: 4
- Ownership: Private
- Passability: 33% / Velocity
- Gain to next barrier: 4.08 Miles
- Cost: Waiting on estimate
Kenny Creek
Trib to North Fork Nooksack River

- Number of barriers in nomination: 1
- Ownership: Whatcom County
- Passability: 33% / Drop
- Gain to next barrier: 4.26 Miles
- Cost: Waiting on estimate
Thorndyke Creek
Trib to Hood Canal

• Number of barriers in nomination: 1
• Ownership: Jefferson County
• Passability: 67% / Velocity and Depth
• Gain to next barrier: 9.73 Miles
• Cost: $1,412,000
Allen Creek
Trib to Newaukum River

- Number of barriers in nomination: 1
- Ownership: Lewis County
- Passability: 0% / Depth
- Gain to next barrier: 3.3 Miles
- Cost: $819,000
Cedar Creek
Trib to South Fork Chehalis River

- Number of barriers in nomination: 1
- Ownership: Lewis County
- Passability: 33% / Velocity and Depth
- Gain to next barrier: 5.83 Miles
- Cost: $1,029,000
Little Salmon Creek
Trib to Salmon Creek

- Number of barriers in nomination: 1
- Ownership: Lewis County
- Passability: 67% / Drop
- Gain to next barrier: 1.31 Miles
- Cost: No Cost Estimate
Mason Creek
Trib to East Fork Lewis River

- Number of barriers in nomination: 2
  - Site Number: 1
- Ownership: Clark County
- Passability: 33% / Slope
- Gain to next barrier: 0.44 Miles
  Second barrier is 3.15 Miles
- Cost: $817,000
Unnamed Trib to Mason Creek

- Number of barriers in nomination: 2
  - Site Number: 2
- Ownership: Clark County
- Passability: 33% / Slope
- Gain to next barrier: 1.59 Miles
- Cost: Waiting on estimate
Baxter Creek
Trib to Arkansas Creek

- Number of barriers in nomination: 1
- Ownership: Cowlitz County
- Passability: 0% / Slope, Drop, and Velocity
- Gain to next barrier: 5.95 Miles
- Cost: $2,001,000
Red Cabin Creek Trib to Skagit River

- Number of barriers in nomination: 1
- Ownership: Skagit County
- Passability: 67% / Velocity
- Gain to next barrier: 3.29 Miles
- Cost: Waiting on estimate
Erick Creek
Trib to Abernathy Creek

- Number of barriers in nomination: 1
- Ownership: Cowlitz County
- Passability: 67% / Velocity and Depth
- Gain to next barrier: 2.82 Miles
- Cost: $518,000
Panther Creek
Trib to Black River

- Number of barriers in nomination: 1
- Ownership: City of Renton
- Passability: 0% / Drop
- Gain to next barrier: 0.78 Miles
- Cost: $1,881,000
Leckler Creek
Trib to Cowlitz River

- Number of barriers in nomination: 2
  - Site Number: 1
- Ownership: Cowlitz County
- Passability: 33% / Depth and Velocity
- Gain to next barrier: 0.97 Miles
- Cost: $1,404,000
Leckler Creek
Trib to Cowlitz River

• Number of barriers in nomination: 2
  – Site Number: 2
• Ownership: Cowlitz County
• Passability: 33% / Velocity
• Gain to next barrier: 0.31 Miles
• Cost: $720,000
East Fork Walker Creek
Trib to Walker Creek

- Number of barriers in nomination: 2
  - Site Number: 1
- Ownership: Private
- Passability: 67% / Drop
- Gain to next barrier: 1.71 Miles
- Cost: $154,000
East Fork Walker Creek
Trib to Walker Creek

- Number of barriers in nomination: 2
  - Site Number: 2
- Ownership: Private - Dam
- Passability: 67% / Slope
- Gain to next barrier: 0.12 Miles
- Cost: Waiting on estimate
Ebright Creek
Trib to Lake Sammamish

- Number of barriers in nomination: 1
- Ownership: City of Sammamish
- Passability: 67% / Slope
- Gain to next barrier: 0.92 Miles
- Cost: $957,000
Lost Creek
Trib to Stillman Creek

- Number of barriers in nomination: 2
  - Site Number: 1
- Ownership: Private
- Passability: 33% / Velocity and Drop
- Gain to next barrier: 2.48 Miles
- Cost: $235,200
Lost Creek
Trib to Stillman Creek

- Number of barriers in nomination: 2
  - Site Number: 2
- Ownership: Lewis County
- Passability: 33% / Slope and Drop
- Gain to next barrier: 2.11 Miles
- Cost: $735,000
Gheer Creek

Trib to South Fork Newaukum River

- Number of barriers in nomination: 3
  - Site Number: 1
- Ownership: Lewis County
- Passability: 33% / Velocity
- Gain to next barrier: 1.3 Miles
- Cost: $756,000
Unnamed Tributary Trib to Gheer Creek

- Number of barriers in nomination: 3
  - Site Number: 2
- Ownership: Lewis County
- Passability: 33% / Slope
- Gain to next barrier: 3.15 Miles
- Cost: $378,000
Gheer Creek
Trib to South Fork Newaukum River

- Number of barriers in nomination: 3
  - Site Number: 3
- Ownership: Lewis County
- Passability: 67% / Velocity
- Gain to next barrier: 2.51 Miles
- Cost: $504,000
Disqualified Sites On Top 30 List

- Middle Fork Newaukum River – Funded
- Mannser Creek – Passable
- Sherwood Creek – Passable
Fish Barrier Removal Board Mission Statement: The purpose of the board is to aid in the restoration of healthy and harvestable levels of salmon and steelhead statewide through the coordinated and strategic removal of barriers to fish passage (RCW 77.95.160)
Wilson/Cherry Watershed Updates

Priority 1 Streams:

• Coleman Creek
• Caribou Creek
Coleman Creek, Tributary to Wilson Creek

Site #1, Diversion at Olmstead State Park

- Ownership: State
- Passability: 33% / Drop
- BFW: 29 ft
- Cost Estimate: $606,762
- Gain to next barrier: 1.75 Miles
Coleman Creek, Tributary to Wilson Creek
Site #2, Vantage Highway

- Ownership: County
- Passability: 33% / Slope
- BFW: 26 ft
- Cost Estimate: $1,560,734
- Gain to next barrier: .35 Miles
Caribou Creek, Tributary to Wilson Creek
Site #3, Gibb Diversion

- Ownership: Private
- Passability: 33% / Drop
- BFW: 35 ft
- Cost Estimate: $178,183
- Gain to next barrier: .21 Miles
Caribou Creek, Tributary to Wilson Creek
Site #4, Gibb Diversion

- Ownership: Private
- Passability: 33% / Drop
- BFW: 32 ft
- Cost Estimate: $178,183
- Gain to next barrier: .86 Miles
Wilson/Cherry Watershed Updates

Priority 2 Streams:

• Cooke Creek
• Parke Creek
Cooke Creek, Tributary to Wilson Creek
Site #1, Cortese Diversion

- Ownership: Private
- Passability: 33% / Drop
- BFW: 19 ft
- Cost Estimate: $424,473
- Gain to next barrier: .34 Miles
Cooke Creek, Tributary to Wilson Creek
Site #2, Cortese Diversion

- Ownership: Private
- Passability: 0% / Drop
- BFW: 19 ft
- Cost Estimate: $423,473
- Gain to next barrier: 1 Mile
Parke Creek, Tributary to Wilson Creek
Site #3, Sorensen Diversion

- Ownership: Private
- Passability: 0% / Drop
- BFW: 30 ft
- $255,543
- Gain to next barrier: .36 Miles
Parke Creek, Tributary to Wilson Creek
Site #4,

- Ownership: State
- Passability: 33% / Drop
- BFW: 25 ft
- Cost Estimate: $255,544
- Gain to next barrier: 1.94 Miles