

# Fish Barrier Removal Board

## Match Guidance

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### 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

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## 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)

Unwarranted – 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

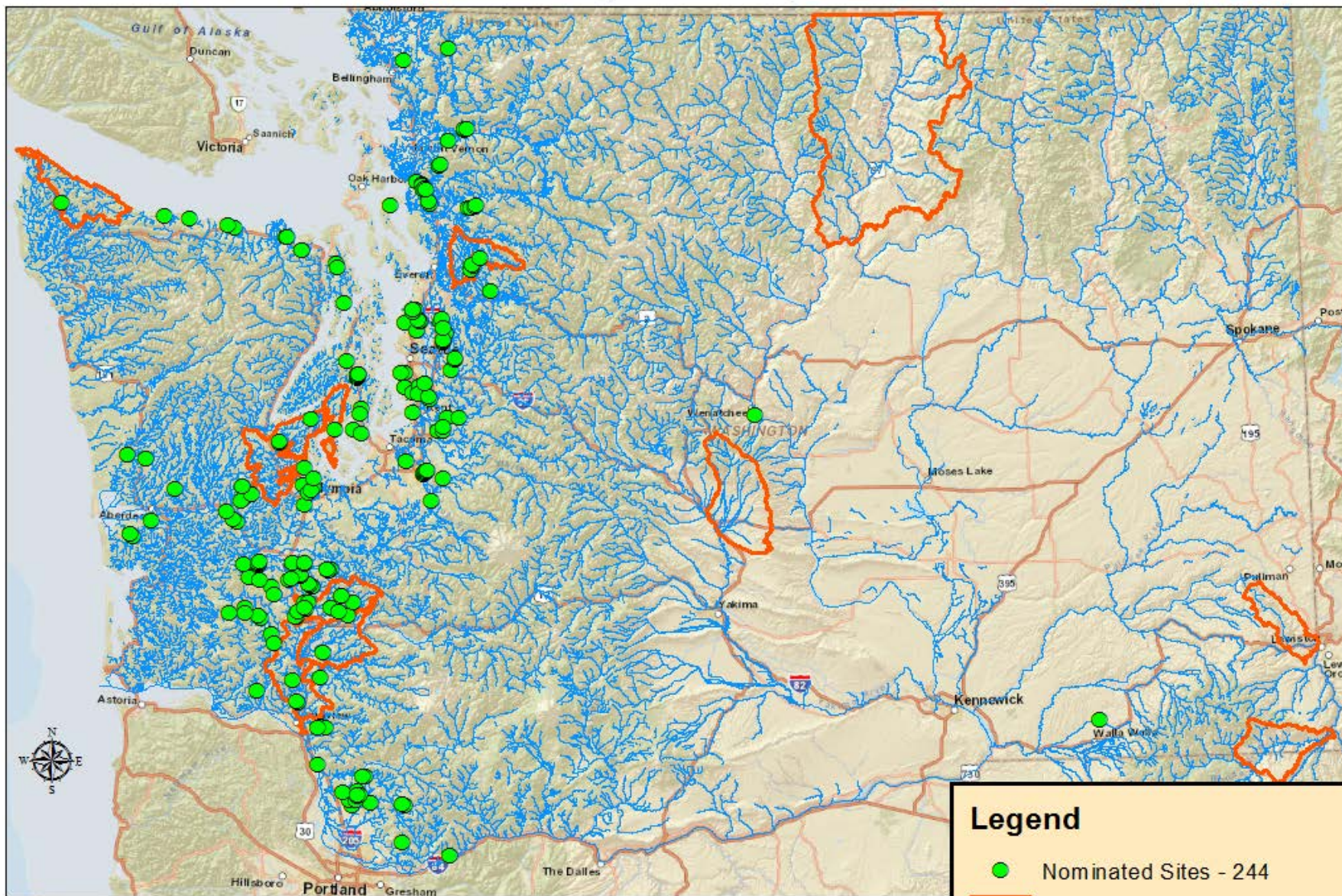
≤\$250,000 – 6 Points

# Coordinated Project Pathway Top 30 Barrier Packages

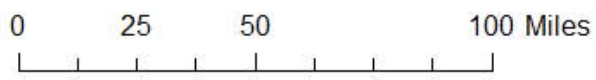
Cade Roler – WDFW

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# Coordinated Project Pathway Nominations



**Author: Cade Roler**  
**Draft Date: January 11th 2016**



**Legend**

-  Nominated Sites - 244
-  Statewide Focus Watersheds
-  Streams

# 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



# Wilson/Cherry Watershed Pathway



YAKIMA BASIN  
FISH AND WILDLIFE  

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RECOVERY BOARD



**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



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FISH AND WILDLIFE  

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RECOVERY BOARD



# 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



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# 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