

# WENATCHEE WATERSHED COMMUNITY MEETINGS

*Learn about upcoming stream and forest restoration projects and water resource management in your area.*



## NEED MORE INFORMATION?

Please contact:

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Visit our website for meeting  
information

[www.co.chelan.wa.us/natural-resources](http://www.co.chelan.wa.us/natural-resources)



### Nason Creek

Saturday, May 14th, 10:00 am to noon

Lake Wenatchee Fire Hall (FD #9)

### Chumstick Creek

Wednesday, May 18th, 6:30 pm to 8:30 pm

Leavenworth Fire Hall (FD #6)

### Upper Wenatchee River (including Lake Wenatchee, Little Wenatchee River, White River and Chiwawa River)

Saturday, May 21st, 10:00 am to noon

Lake Wenatchee YMCA Camp

### Mission Creek

Wednesday, May 25th, 6:30 pm to 8:30 pm

Cashmere Riverside Center

### Lower Wenatchee River (Leavenworth to Columbia River)

Wednesday, June 1st, 6:30 pm to 8:30 pm

Cashmere Riverside Center

### Peshastin Creek

Wednesday, June 8th, 6:30 pm to 8:30 pm

Dryden Fire Station (FD #6)

### Topics discussed at Watershed Community

#### Meetings will include:

- Updates on completed and proposed stream restoration projects
- Updates on water resources and forest management projects

# UPPER WENATCHEE RIVER COMMUNITY MEETING

*Mainstem Wenatchee River      Chiwawa River      White River*  
*Little Wenatchee River      Lake Wenatchee*

- Welcome and Introductions
- Background on Watershed Planning and Salmon Recovery Planning
- Completed Projects
- Ongoing and Future Efforts

# Watershed Planning

## Wenatchee River Watershed

- Planning Process began in 1999 under RCW 90.82
- Plan Approved in 2006 by local stakeholder group
- All 4 Elements Included: Water Quantity, Instream Flows, Water Quality and Habitat

# Endangered Species Act (ESA)

- Upper Columbia spring Chinook – 1999 endangered
- Upper Columbia steelhead – 1997 endangered, re-classified as threatened
- Bull Trout - threatened

# ESA Efforts

- Development of federal recovery plans
- NOAA-Fisheries and US Fish and Wildlife Service
- Watershed Planning Units/Watershed Action Teams
- Upper Columbia Salmon Recovery Board

# Implementation

- Meetings, coordination, partners
- Funding mechanisms
- Focus on restoring natural processes in high priority areas.



# Wenatchee River Basin Salmon **Restoration** Priorities

Assessment Unit	Priority
Nason Creek	1
Upper Wenatchee River	2
Icicle Creek	3
Peshastin Creek	4
Lower Wenatchee River	5
Mission Creek	6
Little Wenatchee River	Not a priority at this time
White River	Not a priority at this time
Middle Wenatchee River	Not a priority at this time
Chumstick Creek	Not a priority at this time
Chiwawa River	Not a priority at this time

# Wenatchee River Basin Salmon **Protection** Priorities

Assessment Unit	Priority
Nason Creek	1
White River	1
Upper Wenatchee River	1
Chiwawa River	1
Little Wenatchee River	2
Middle Wenatchee River	2
Icicle Creek	3
Lower Wenatchee River	3
Peshastin Creek	4
Mission Creek	4
Chumstick Creek	4



# Recommended Strategy

## White River

- Restore instream habitat diversity (large wood/complexity)
- Restore wetland complexes

## Upper Wenatchee

- Restore instream habitat diversity (large wood/complexity)
- Improve fish access to side channels and improve wetland connections
- Improve riparian condition

# Recommended Strategy

## Chiwawa River

- Address insufficient food for salmon
- Replace Barriers as needed
- Brook trout management
- Reduce recreational impacts to riparian areas

# Wenatchee Watershed Work Completed to Date

Table 11. Comparison of Projects Completed to Priorities Identified in Table 7 of the Biological Strategy (UCRTT 2013)

Sub-Watershed	# Projects	Amt Spent	Ecological Concern												
			Channel Structure and Form	Peripheral and Transitional Habitat	Riparian	Habitat Quantity	Water Quantity	Water Quality	Sediment Conditions	Injury Mortality	Food	Species Interaction	Protection		
Nason	10	\$7,962,563	.37 mile	51 logs/log structures	202.38 acres										80 acres
Upper Wenatchee	5	\$2,322,313	.2 mile	7 ELJ's			8 barriers removed								
Icicle Creek	6	\$741,663				0.69 miles	3								286 acres
Peshastin	8	\$1,774,533			0.3 acres		9 barriers removed	1.2 cfs							
Lower Wenatchee	30	\$8,318,978	.39 miles	16 large wood structures	1.98 miles	11.6 acres		16 cfs			1				3.5 acres
Mission Creek	10	\$514,948	.62 miles			3.66 acres	3 barriers removed								
Little Wenatchee		\$0													
White River	17	\$4,387,028		128 logs/log structures		0.81 acres	12 barriers removed			1.46 miles					601.4 acres
Middle Wenatchee															
Chumstick	15	\$5,843,670				6.54 acres	36 barriers	0.02 cfs			1 screen				
Chiwawa	7	\$914,514				32.6 acres	5 barriers removed			2.5 miles	1 structure upgrade				
Total		\$32,780,211													

Restoration Priorities:

#1 Ecological Concern to be addressed

#2 Ecological Concern to be addressed

#3 Ecological Concern to be addressed

Protection Priorities: Tier 1 = Nason, White, Upper Wenatchee, Chiwawa, Tier 2 = Little Wenatchee, Middle Wenatchee, Tier 3 = Icicle Creek, Lower Wenatchee, Tier 4 = Mission, Chumstick, Peshastin

# Completed Projects

## White River

- Over 600 acres protected
- Log structures installed (128 logs or log structures) added stream structure
- 12 Fish Passage Barriers Removed in tributary streams (USFS)

## Upper Wenatchee River

- 8 Fish Passage Barriers Removed in tributary streams.
- 7 large wood structures added in-stream complexity

# Completed Projects

## Chiwawa River

- 5 Fish Passage Barriers removed in tributary streams.
- 36 acres of native riparian planting
- 2.5 miles of road removed (USFS) reduced sediment

# Ongoing and Upcoming Efforts

- Yakama Nation Coho Reintroduction Program
- Future of White River Captive Brood Program
  - 2015: 117,000 smolts released
  - 2018: Last captive brood adults to return
  - Grant County PUD will continue to may for Monitoring and Evaluation through 2025
  - 2026: decision whether or not to construct a hatchery in the White River

# Lake Wenatchee Monitoring Proposal

## spring Chinook survival

- Evaluate potential affect of predation on juvenile spring Chinook.
- Document juvenile survival rates through the Lake.
- Document predator abundance and distribution, and evaluate predator gut contents.
- Develop proposed management actions and support spring Chinook life cycle model.

# Potential Management Actions

- Reduce predator abundance (northern pike minnow)
- Increase habitat/cover to reduce predation risk.
- Wenatchee basin life cycle model will identify whether or not this is a bottleneck to recovery of White River and Little Wenatchee River spring Chinook populations.



# Chiwawa River Nutrient Enhancement Project

Cascade Columbia Fisheries  
Enhancement Group

# Upper Wenatchee Community Lands Plan

Chelan Douglas Land Trust

# U.S. Forest Service Forest Restoration Activities

Wenatchee River Ranger District

# Firewise Communities

Cascadia Conservation District