PESHASTIN CREEK COMMUNITY MEETING

- Welcome and Introductions
- Background on Watershed Planning and Salmon Recovery Planning
- Implementation Priorities and Completed Projects
- Ongoing and Upcoming 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

Peshastin Creek
Recommended Strategy

- Increase water quantity
- Restore instream habitat diversity (large wood, pools, fish holding and rearing habitat)
- Develop side channel habitat; improve wetland connections
- Riparian restoration – plant native vegetation
- Improve stream temperature

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

- Peshastin Creek Fishway at PID Diversion (2005)
- Peshastin Irrigation District Piping Project (2010-2011)
  - Over 9,000 ft of open ditch converted to pipe
  - 1.2 cfs saved for instream flow
- Side Channel levee breach at RM 0.8 (2012, YN)
- Riparian Plantings and Japanese Knotweed Control

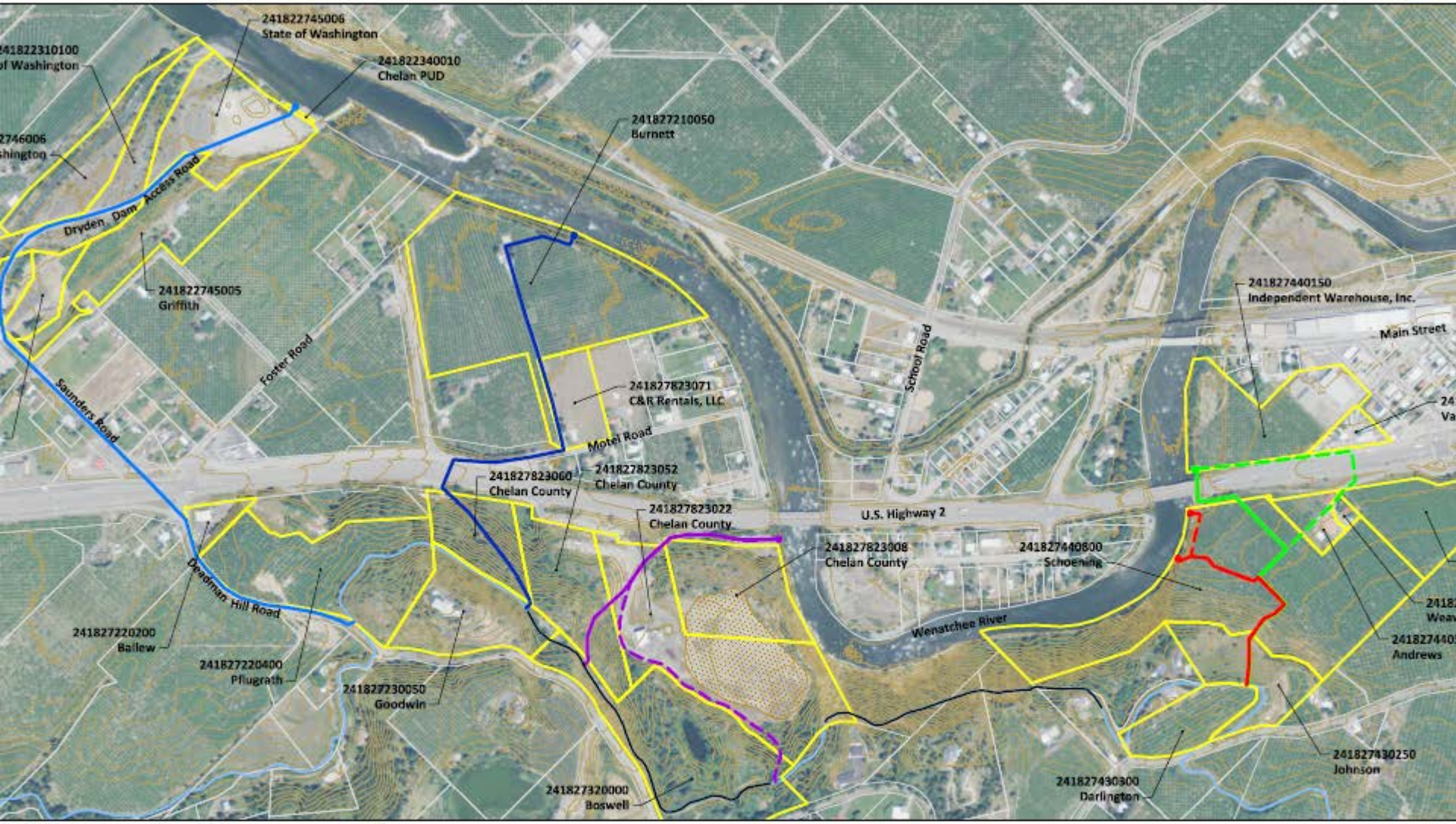
Peshastin Creek
Steelhead spawning estimates

WDFW escapement estimates based on PIT tag results

Species	2013	2014	2015
Wild Summer Steelhead	157	214	206
Hatchery Steelhead	14	13	40

Ongoing and Upcoming Efforts

- Upper Peshastin Flow Attenuation Proposal
  - Large wood placement in small streams in Upper Peshastin watershed to reconnect floodplain, improve groundwater retention, and improve habitat
- PID Pump Station (Wenatchee River) Proposal
  - Instream flow benefit to lower 2.4 miles of Peshastin Creek



th 2006 NAIP Aerial Photography and 10-foot contours

: Washington State Plane North, NAD83.

AVD 88.

LEGEND:

	Pump Station	Delivery Pipeline
Alternative 1		
Alternative 2		
Alternative 3		
Alternative 4		
Alternative 5		

Proposed — Potential Alternate

- Existing PID Ditch
- Existing Pipe
- Contour (10-foot)
- Parcels
- Parcels Impacted By Project
- Existing Landfill

0

Scale

OR

Parcel and Right-
Peshastin Irrigation District Pump Exchange

Ruby Slide Fish Migration Barrier Assessment and Design

1. Is the slide acting as a fish migration barrier?
    - The data indicates **yes**, under certain conditions

2. Can a project be implemented to fix the barrier with the understanding that sliding will continue to occur?
    - Conceptual design at the end of 2016


45
45

Riparian Prioritization
Wenatchee River and Tributaries

- Document and analyze existing riparian conditions (LiDAR, aerial photos)
- Create maps adding additional data: water temperature, land use, soil type, shade, etc
- Establish priorities and identify riparian restoration actions

Instream Flow Rule

- Wenatchee Instream Flow Rule (WAC 173-545) established through Wenatchee Watershed Planning
- ESSB 6513 – reservation of water for domestic use
- Coordinated Cost Reimbursement process to start in 2016 – water right processing

Voluntary Stewardship Program

- Regulatory alternative for agriculture in critical areas
- VSP work group
- 2017 implementation

Upper Wenatchee Community Lands Plan

Chelan Douglas Land Trust

Peshastin Creek Confluence Restoring the Alluvial Fan

Cascade Columbia Fisheries Enhancement Group (CCFEG)