

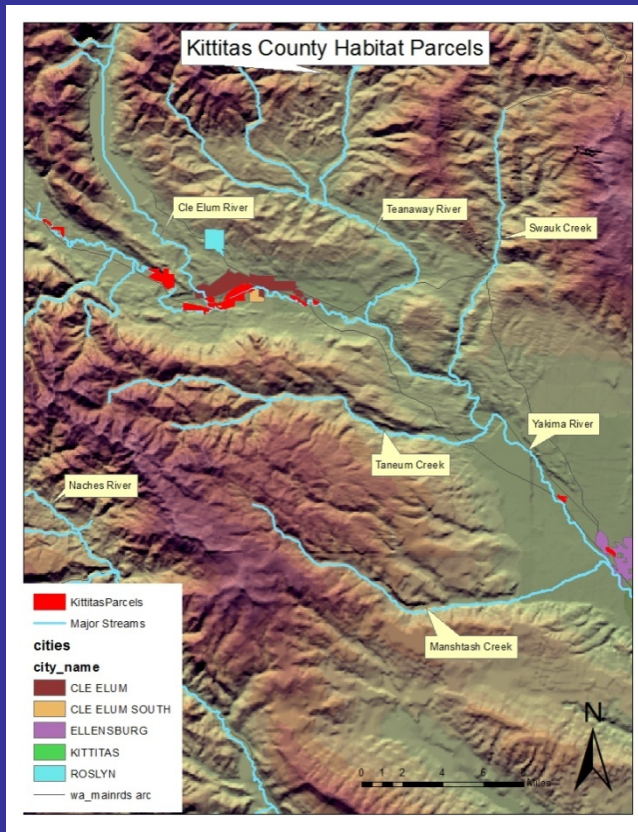


YKFP

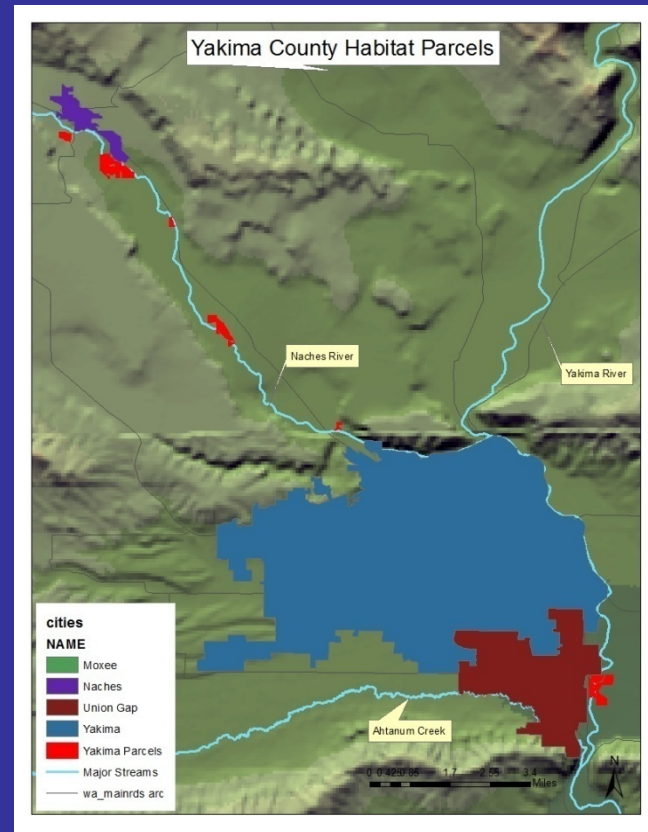
Yakima Subbasin Habitat Activities

Land Acquisitions

Since 1997, 1808 acres protected in 20 transactions



An Additional 98 acres are scheduled in the next year





Trash along side channel – Naches River



Upland weed treatment – South Naches
Channel



Management Zone B-1

Management Zone E

Management Zone C-1

Management Zone B-2

Management Zone A

Management Zone C-2

Management Zone C-3

Management Zone D

**Designing upland/riparian treatments –
Naches River**

Kittitas County Fish Barriers

2012 KCCD

Wilson Crk. - 4 barriers, 4 screens, 8 miles of habitat opened.

Little Naneum - 1 barrier, 1 mile of habitat opened.

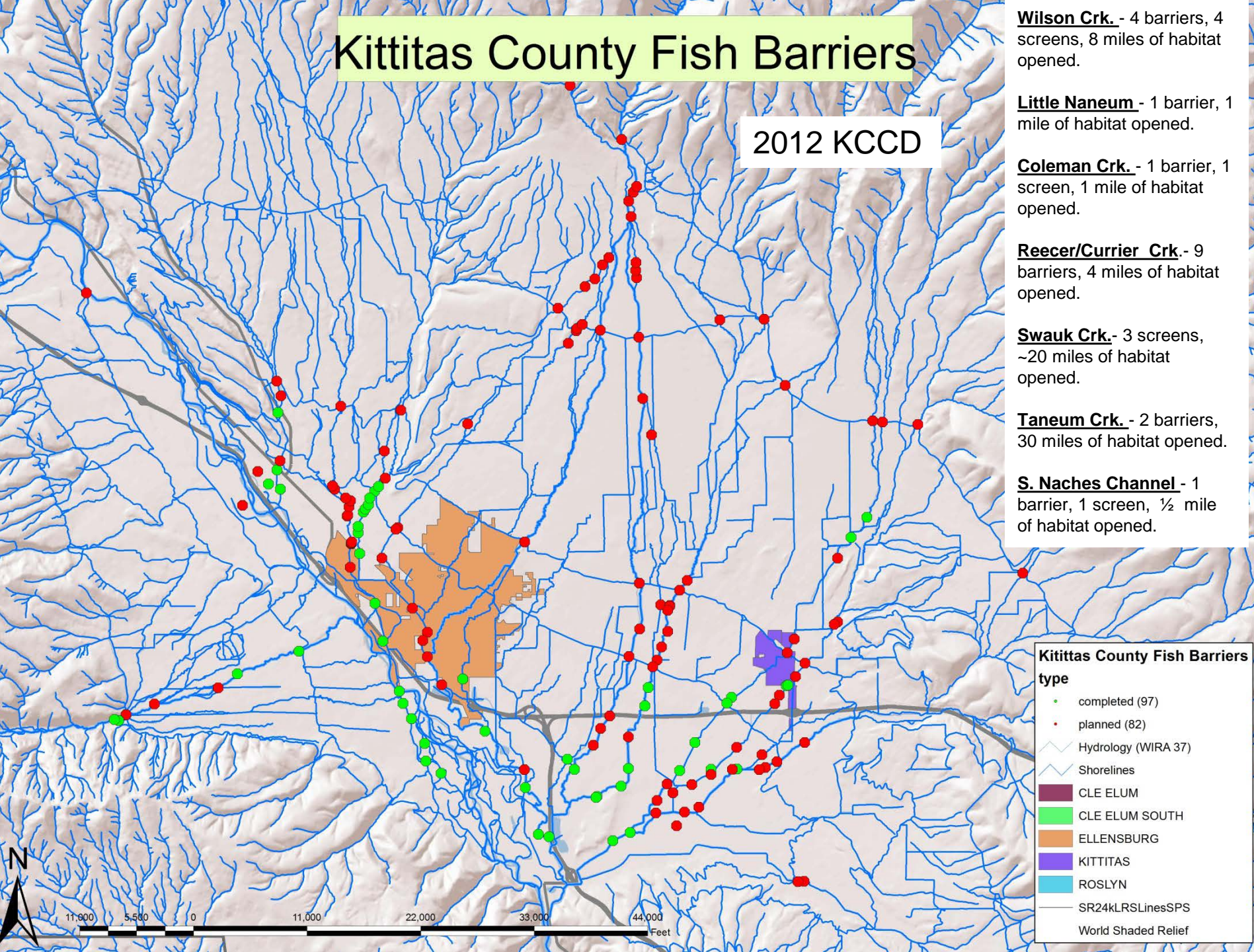
Coleman Crk. - 1 barrier, 1 screen, 1 mile of habitat opened.

Reecer/Currier Crk. - 9 barriers, 4 miles of habitat opened.

Swauk Crk. - 3 screens, ~20 miles of habitat opened.

Taneum Crk. - 2 barriers, 30 miles of habitat opened.

S. Naches Channel - 1 barrier, 1 screen, ½ mile of habitat opened.



Scott Ditch
First FCA Screen In the State of Washington

Funded by the Yakama Nation/BPA
Constructed by WDFW
Design: FCA Screen Implemented by Fisheries Engineers,
Inc.
Cost ~ \$570,000





Bypass Vault

No Moving Parts !

Bypass Pipe

Weir Wall

Scott Ditch

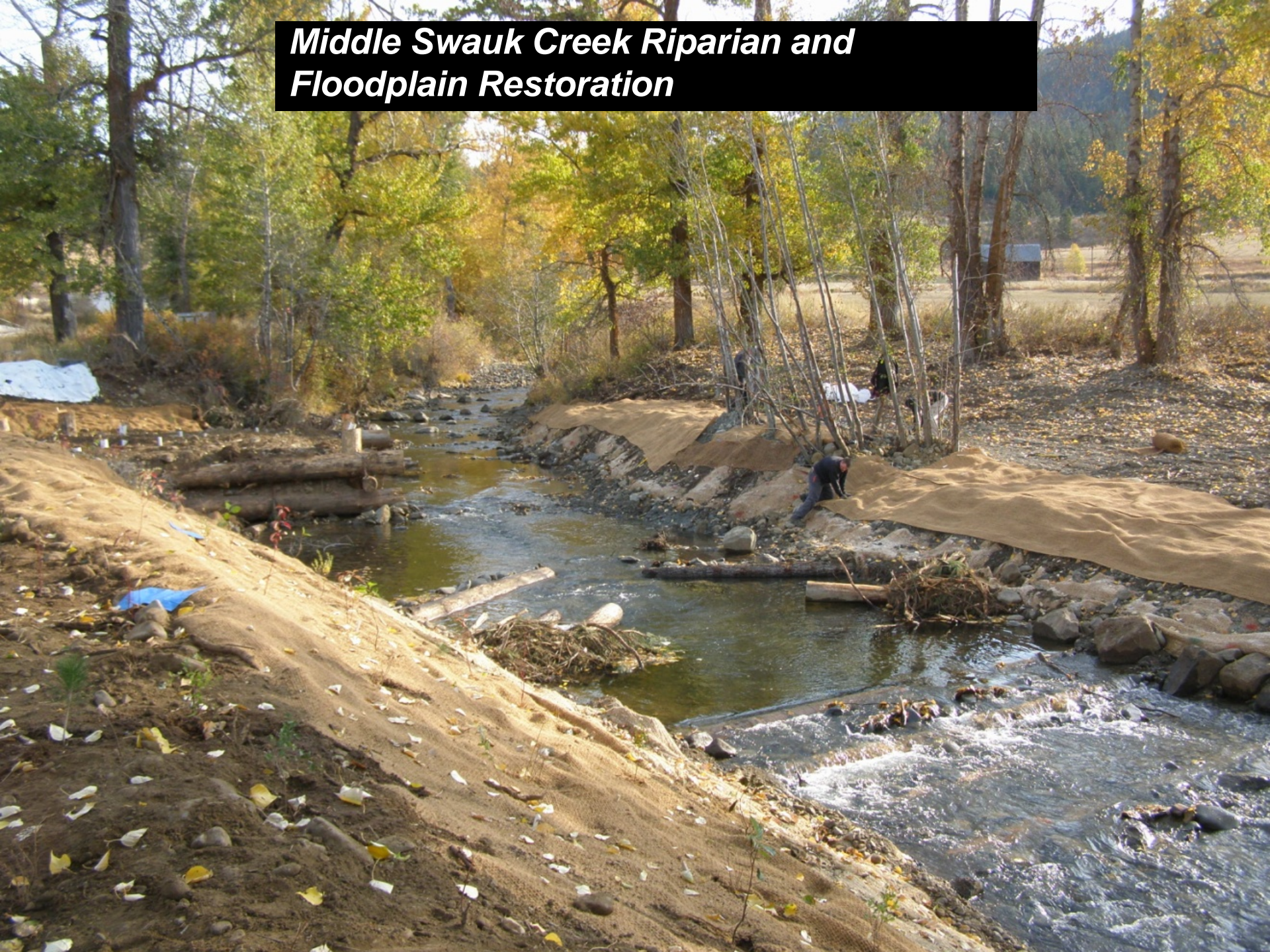
Sediment Flushing System

Horizontal Screen
Tapering Toward
Bypass

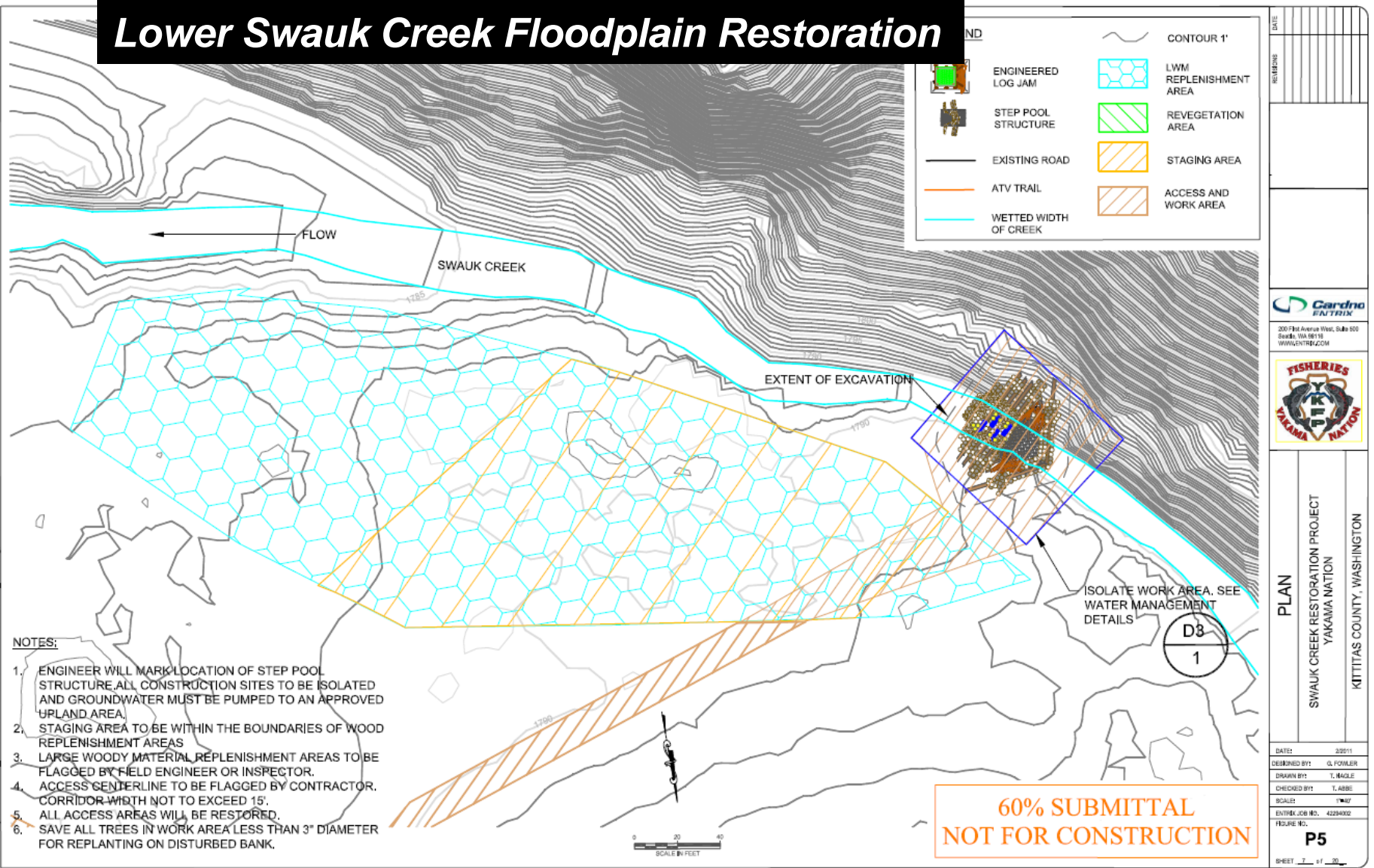
Flow

Flow

***Middle Swauk Creek Riparian and
Floodplain Restoration***



Lower Swauk Creek Floodplain Restoration



	ENGINEERED LOG JAM		CONTOUR 1'
	STEP POOL STRUCTURE		LWM REPLENISHMENT AREA
	EXISTING ROAD		REVEGETATION AREA
	ATV TRAIL		STAGING AREA
	WETTED WIDTH OF CREEK		ACCESS AND WORK AREA

- NOTES:**
- ENGINEER WILL MARK LOCATION OF STEP POOL STRUCTURE. ALL CONSTRUCTION SITES TO BE ISOLATED AND GROUNDWATER MUST BE PUMPED TO AN APPROVED UPLAND AREA.
 - STAGING AREA TO BE WITHIN THE BOUNDARIES OF WOOD REPLENISHMENT AREAS
 - LARGE WOODY MATERIAL REPLENISHMENT AREAS TO BE FLAGGED BY FIELD ENGINEER OR INSPECTOR.
 - ACCESS CENTERLINE TO BE FLAGGED BY CONTRACTOR. CORRIDOR WIDTH NOT TO EXCEED 15'.
 - ALL ACCESS AREAS WILL BE RESTORED.
 - SAVE ALL TREES IN WORK AREA LESS THAN 3" DIAMETER FOR REPLANTING ON DISTURBED BANK.

DATE:	
REVISIONS:	
200 First Avenue West, Suite 500 Seattle, WA 98119 WWW.ENTRIX.COM	
PLAN SWAUK CREEK RESTORATION PROJECT YAKAMA NATION KITTITAS COUNTY, WASHINGTON	
DATE:	2/20/11
DESIGNED BY:	G. FOWLER
DRAWN BY:	T. MAGLE
CHECKED BY:	T. ABBE
SCALE:	1"=40'
ENTRIX JOB NO.:	4229492
FIGURE NO.:	P5
SHEET	7 of 20

T:\CAD\Projects\4229492_Swauk_Creek_Restoration - Phase II\Sheets\P5_Plan.dwg, 3/26/2011 12:28:17 PM





11/05/2012 17:03

Don't forget to mention doing this in the Teanaway!



11/05/2012 17:03

CESRF Edge Habitat Restoration



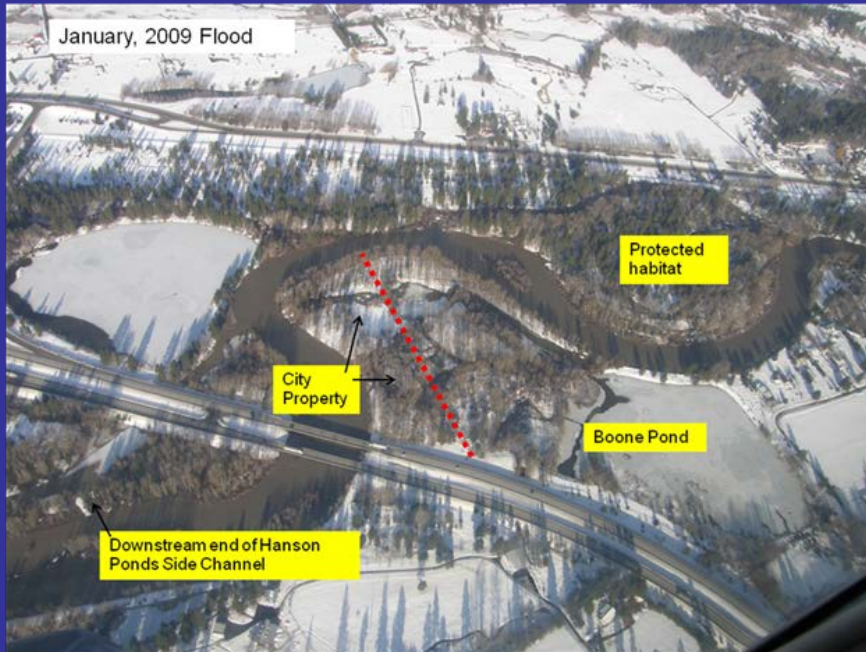
Wetland Mitigation for Cle Elum Supplementation and Research Facility

Boones Pond Wetland Mitigation and Side-Channel Project





- Implementation of this project includes purchase of City of Cle Elum acreage (left) as well as purchase of a conservation easement from the Boones (east), a private land owner.



Environmental Education, aka
“puttin’ wood in the crick”



04.24.2012 12:41

Things We're Not
Doing.

Things We're Not Doing.

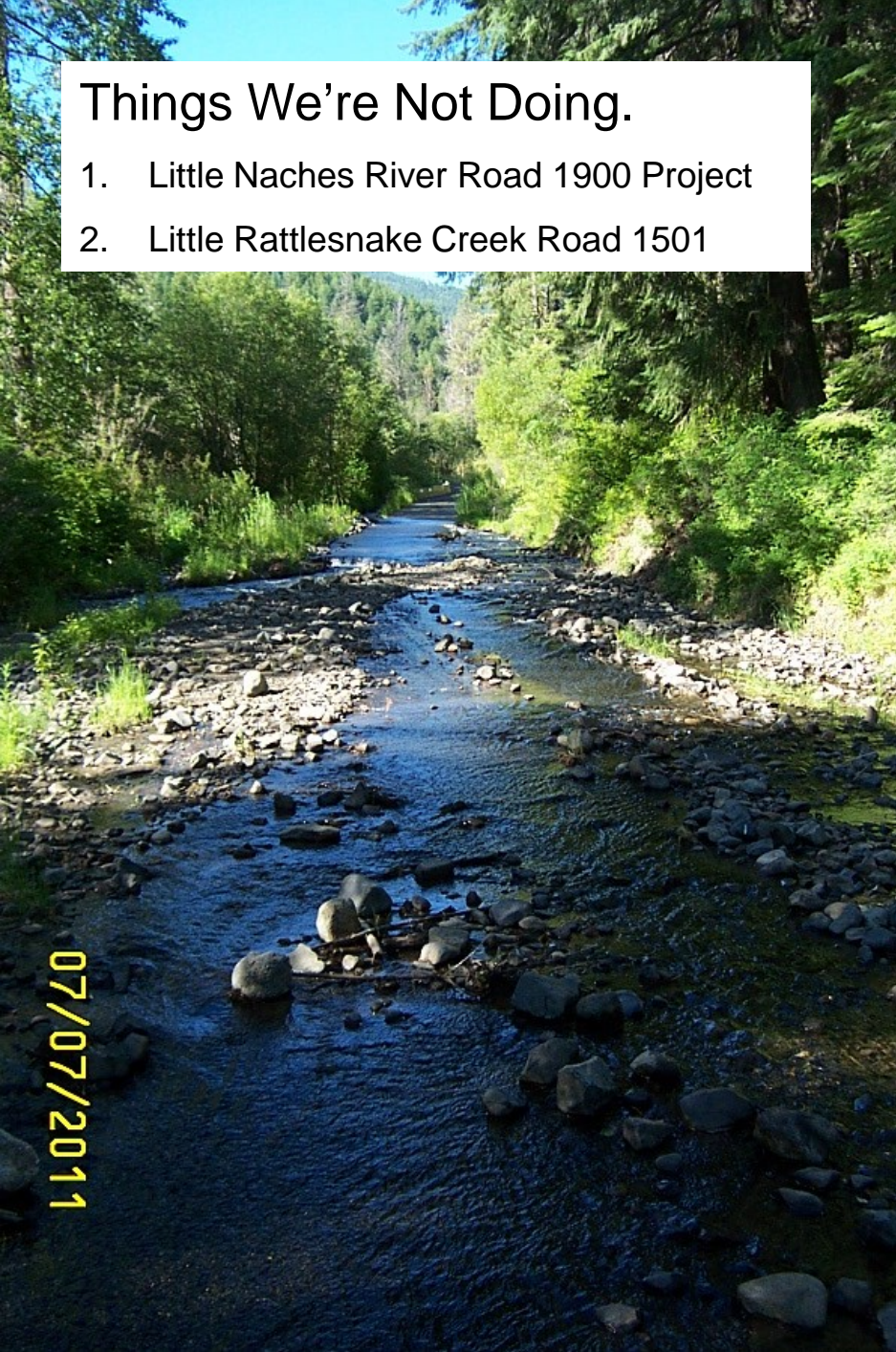
1 - Little Naches River Road 1900 Project



09.11.2007 00:21

Things We're Not Doing.

1. Little Naches River Road 1900 Project
2. Little Rattlesnake Creek Road 1501



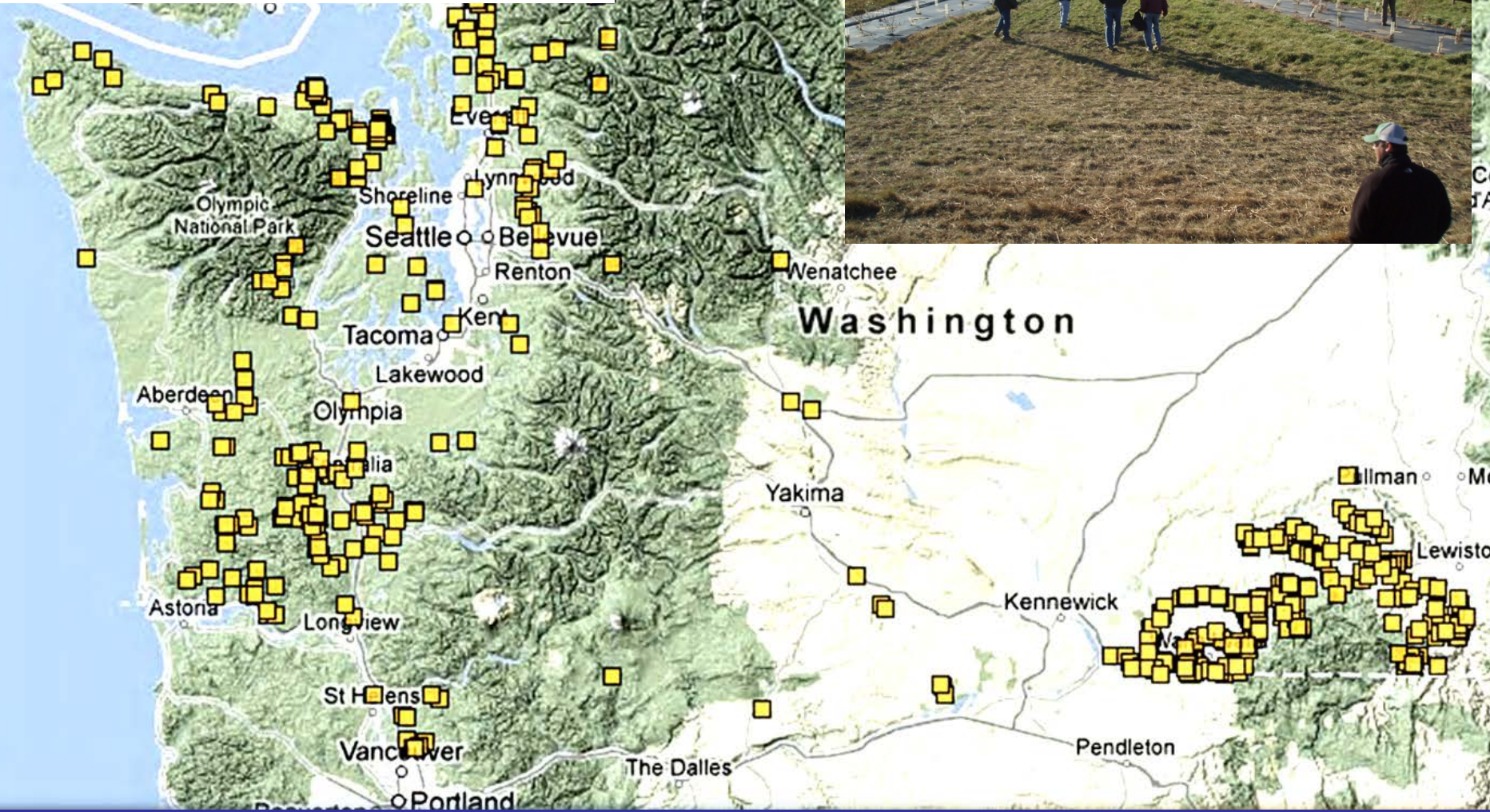
07/07/2011



07/07/2011

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2. Little Rattlesnake Creek Road 1501
3. CREP



Things We're Not Doing:

1. Little Naches River Road 1900 Project
2. Little Rattlesnake Creek Road 1501
3. CREP
4. Taneum Road 3300

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

Things We're Not Doing:

1. Little Naches River Road 1900 Project
2. Little Rattlesnake Creek Road 1501
3. CREP
4. Taneum Road 3300
5. Marine Derived Nutrients

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

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6. WSDOT Blewett Highway Restoration

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

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7. Instream Restoration in Yakima Canyon

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

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8. Schaake Floodplain Restoration

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

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7. Instream Restoration in Yakima Canyon
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9. MM 103 ponds

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

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8. Schaake Floodplain Restoration
9. MM 103 ponds
10. NF Manastash floodplain restoration

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

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8. Schaake Floodplain Restoration
9. MM 103 ponds
10. NF Manastash floodplain restoration
11. Riparian restoration lower Wilson Creek

Photo: William Meyer, WDFW

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12. Lanphere property restoration

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

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13. Town Diversion Reach restoration

Photo: William Meyer, WDFW

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13. Town Diversion Reach restoration
14. Monitoring (not much anyway)

Photo: William Meyer, WDFW

Fish Presence: Brian Saluskin, Mark Johnston, YN YKFP staff

One thing we did get
done – Taneum
Floodplain Monitoring



Monitoring on Taneum Creek Wood Replenishment:

- Recruit (replenish)
Large Wood utilizing
recommendations from
WDFW's Stream
Habitat Restoration
Guidelines





09.09.2010 07:38



09.13.2010 11:22



09.10.2010 15:20

Wood Replenishment:
Trees move during high
flows, and that's good!



05.16.2008 10:45

May 2011: Near the
flood Peak (est. 2500
cfs)



05.15.2011 14:12

During construction...




09.14.2010 14:39

After the boomer...



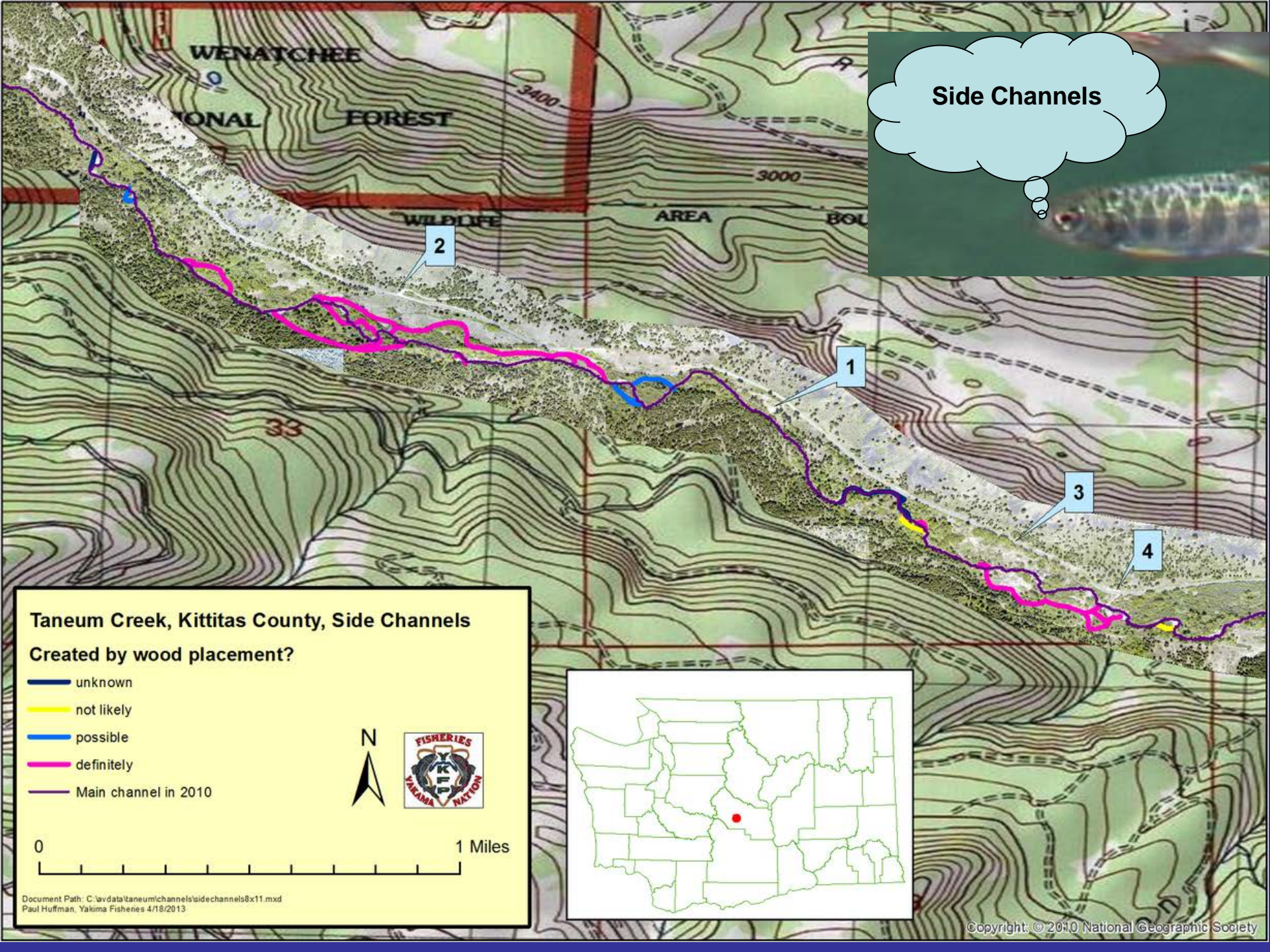
05.16.2011 15:15



**A Few Benefits
of Wood
Replenishment**



03.31.2011 10:04



Side Channels

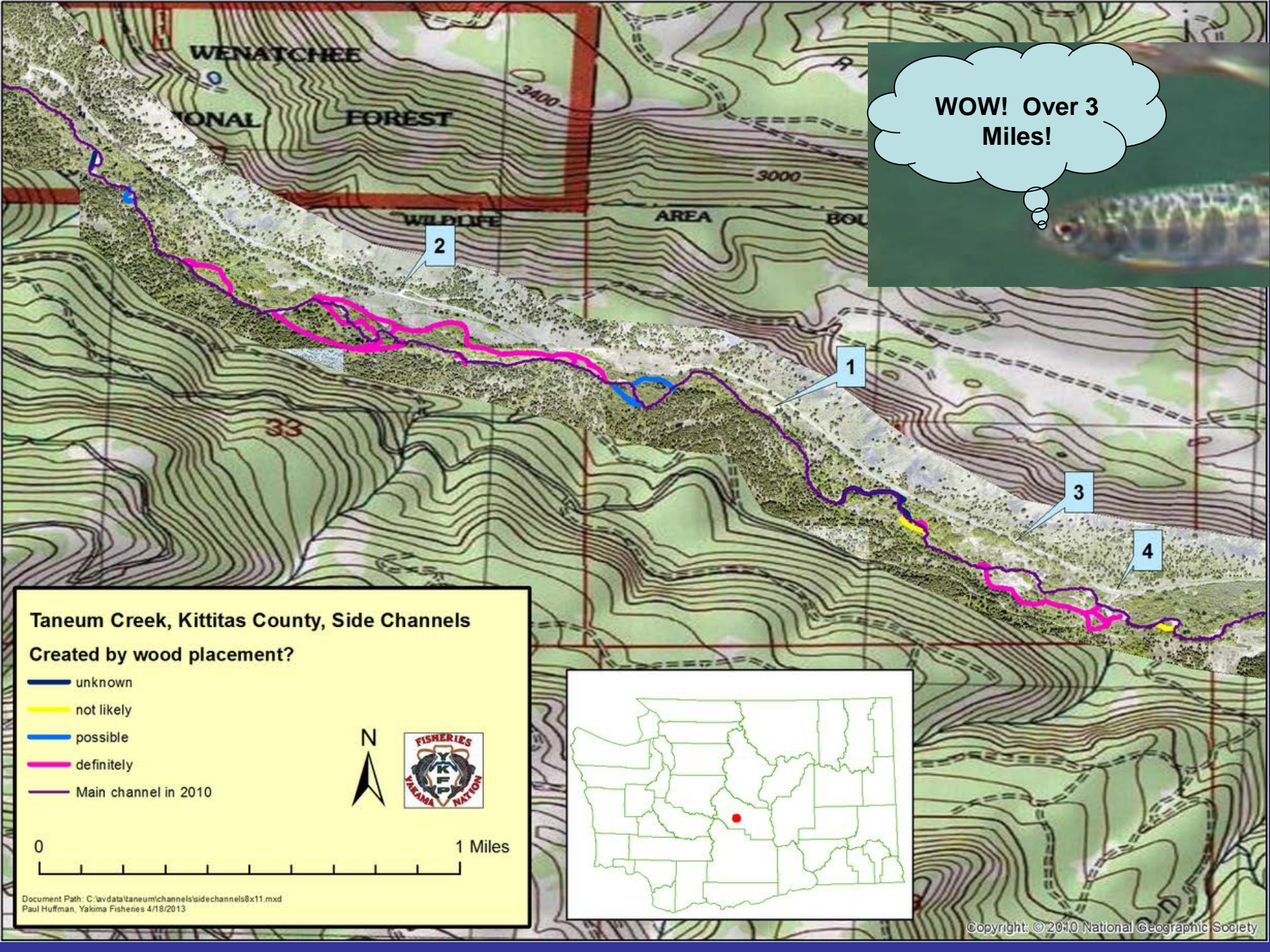
Taneum Creek, Kittitas County, Side Channels
Created by wood placement?

- unknown
- not likely
- possible
- definitely
- Main channel in 2010

0 1 Miles

Document Path: C:\av\data\taneumchannels\sidechannels8x11.mxd
Paul Huffman, Yakima Fisheries 4/18/2013





WENATCHEE
NATIONAL FOREST

WILDLIFE AREA

WOW! Over 3 Miles!

Taneum Creek, Kittitas County, Side Channels

Created by wood placement?

- unknown
- not likely
- possible
- definitely
- Main channel in 2010



0 1 Miles

Document Path: C:\av\data\taneumchannels\sidechannels8x11.mxd
Paul Huffman, Yakima Fisheries 4/18/2013

Wood Replenishment: A Super Hero in the Battle Against Climate Change

