



Spokane River DO TMDL Implementation 2016-2017

Walt Edelen, Water Resources Program Manager



Agenda

- Regional Conservation Partnership Program (RCPP)
- Voluntary Stewardship Program (VSP)



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- Voluntary Stewardship Program (VSP)

Other Important Implementation Projects

- On-Site Septic Program (OSS)
- Family, Forest, Fish Passage Program (FFFPP)
- Nonpoint Source Riparian Restoration Program
- Newman Lake Shoreline Projects
- Livestock and Land Program
- Fire Recovery Projects – Yale Rd. Fire



“The Greater Spokane River RCPP”

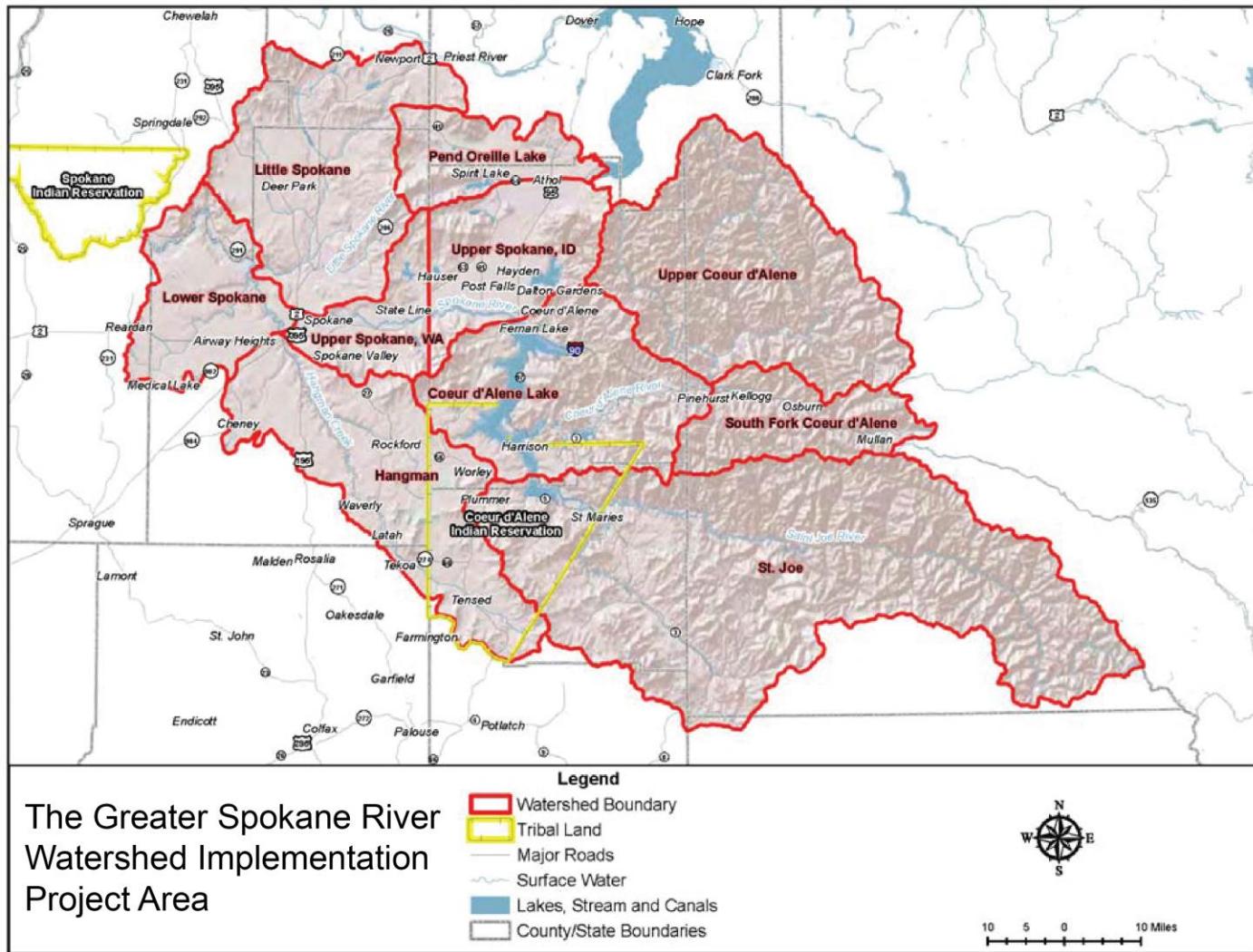
Charlie Peterson, RCPP Manager

Seth Flanders, Riparian Coordinator

Jake Clements, Conservation Ag. Coordinator



Project Area





Objectives

- Approximately 150,000 acres of conservation
 - 120,100 acres of conservation tillage
 - 20,000 acres of precision ag.
 - 750 acres of riparian buffer/filter strips (commodity)
 - 400 acres of conservation easements (ag and forest)
 - 8,750 acres of forest stand improvements
- Reduction of 600,000 tons of soil erosion by 2021.
- **Project Timeline**— 2016 through 2021

Contracts



- Fall of 2016 (54 applications) WA/ID
 - 23 contracts in progress in WA
 - 43% in Hangman Creek
 - 32% in Little Spokane River
 - 25% in West Plains (lower Spokane)
 - 6,600 of precision agriculture
 - 100 acres (approx. 40 miles) of riparian buffer/filter strips (commodity)
 - 100 acres of forest stand improvements

22,000 acres of conservation tillage

- Major changes since 70s and 80s (technology, increasing prices to operate)
- 6,600 acres of precision agriculture
- Approximately 70% of watershed in some sort of reduced tillage operation



100 – 120 acres of commodity buffer

- Approximately 40 miles of waterways in filter strip (grass)
- Approximately \$50K to achieve this
- Nutrient and sediment reduction
- Hangman Creek running clear already -





“The Spokane County Voluntary Stewardship Program”

**Walt Edelen, Water Resources Program Manager
Andy Dunau, Facilitator**

Spokane County Volunteer Stewardship Program



Committed to maintaining the viability of agriculture while protecting critical areas

VSP Purpose

- Develop plan to **protect and enhance critical areas where agricultural activities** are conducted, while maintaining and improving the long-term **viability of agriculture** in Spokane County and reduce the conversion of farmland to other uses.
- Plan due in early 2019
- Implementation through voluntary stewardship plans



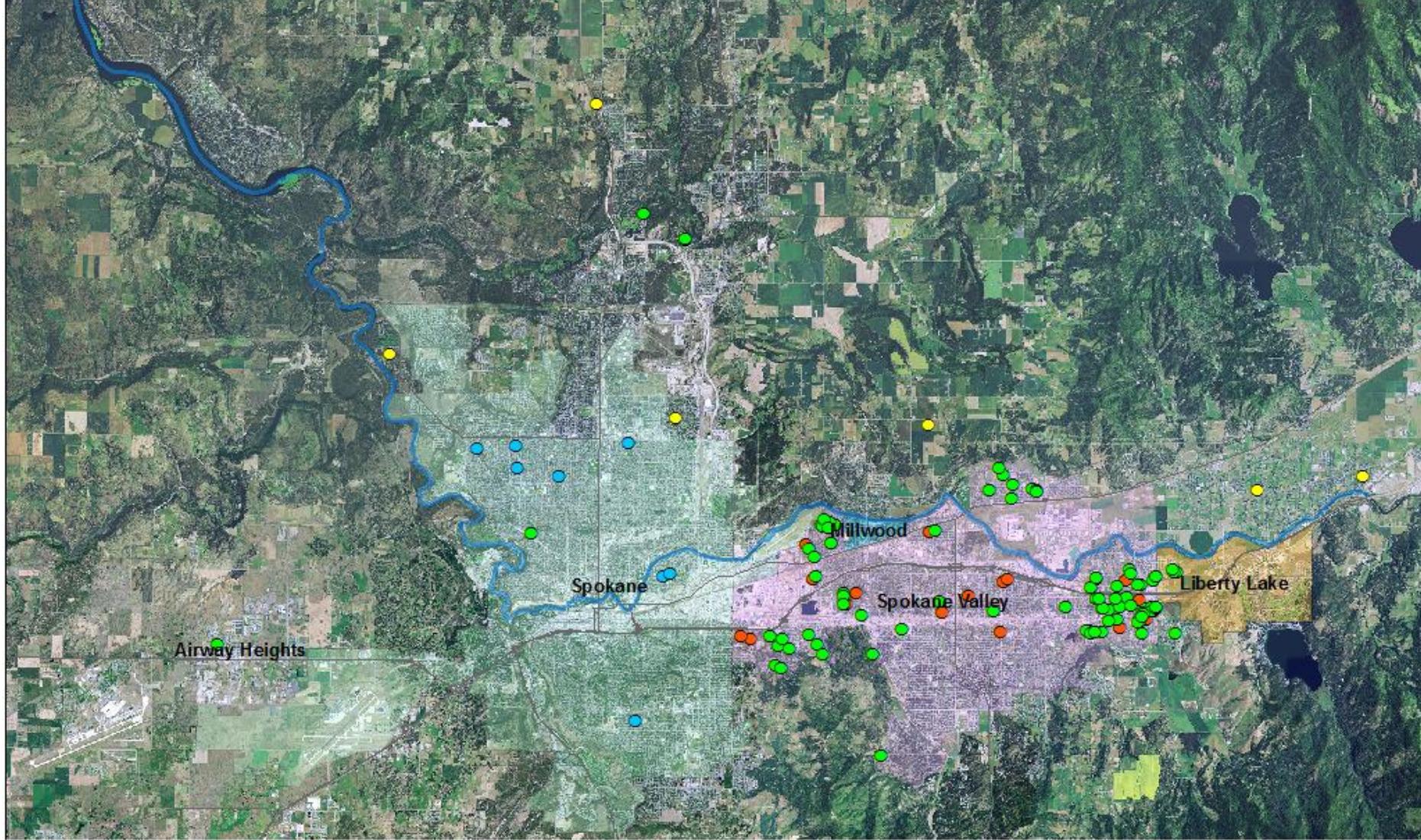
Other Implementation



On-Site Septic Program

- 1st project completed July of 2014 in City of Spokane Valley
 - Ecology Program (2014), SCD Internal Loans (2015),
 - CDBG Funds (2016)
- To date SCD has completed **115 projects!**





On-Site Septic Program Participants

Legend

October 2016

- Connections
- Side Laterals
- Repair/Replace
- CDBG Program



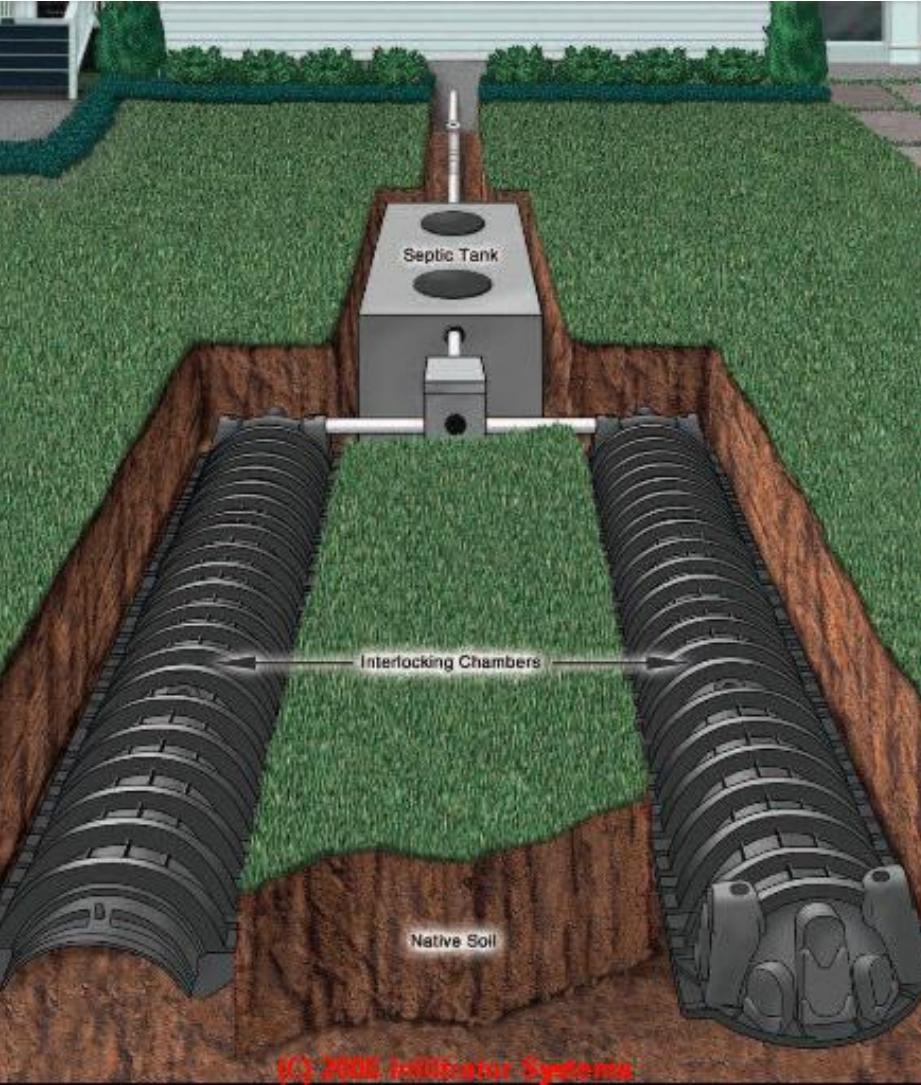
0 1.25 2.5 5 7.5 10 Miles



Connections to Sewer



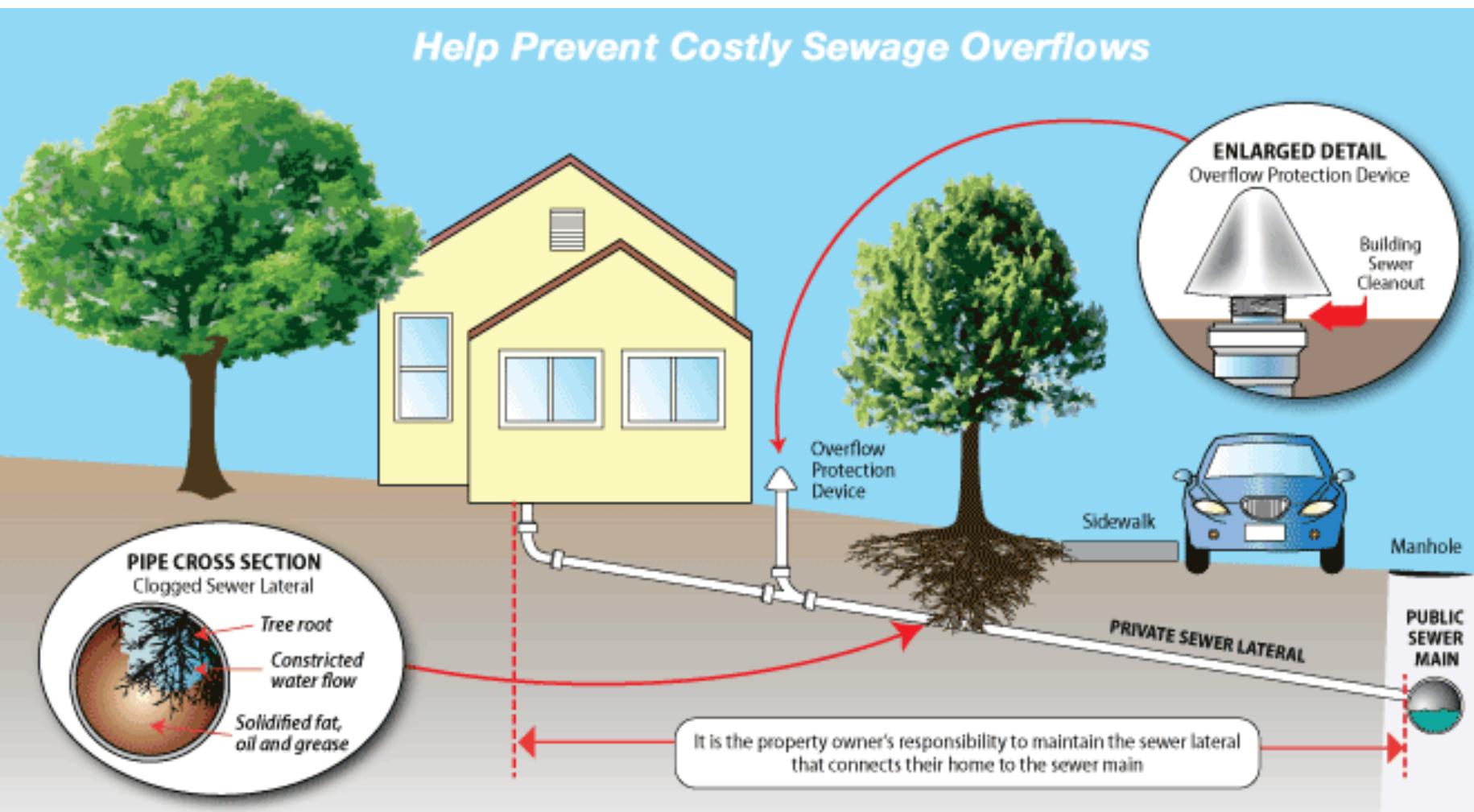
Repairs/Replacements



(C) 2008 i-Mulcher Systems



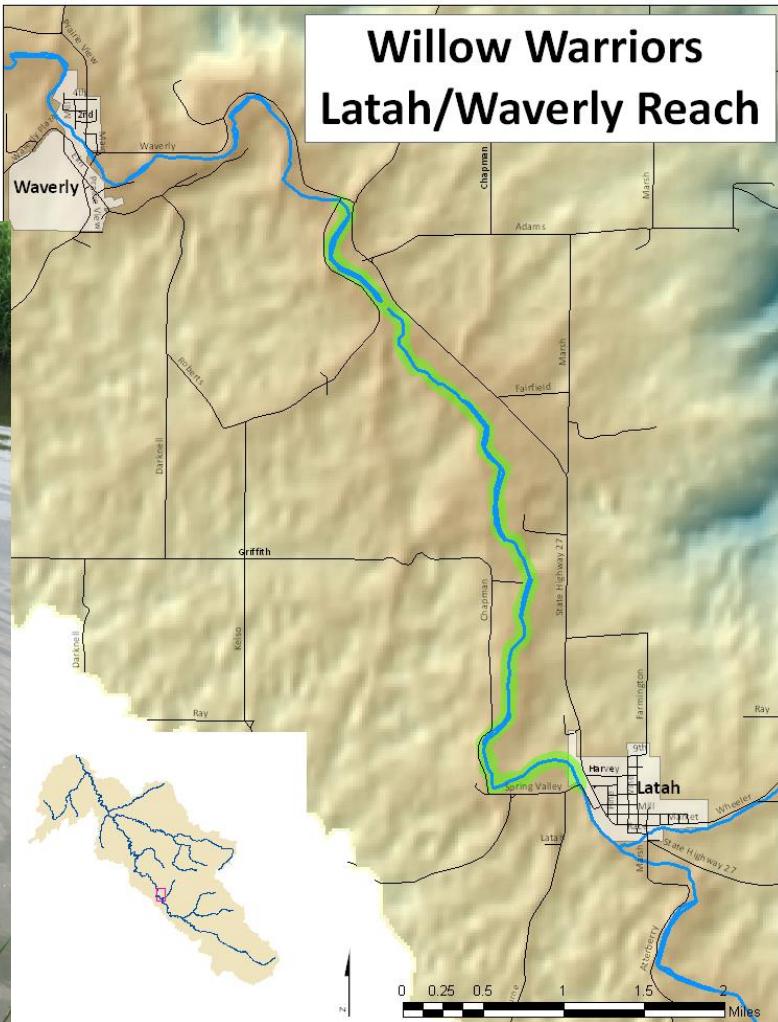
Side Lateral Repairs





Willow Warrior Weekend

- 2000 willows in 2017
- Hangman Creek, April 28-29



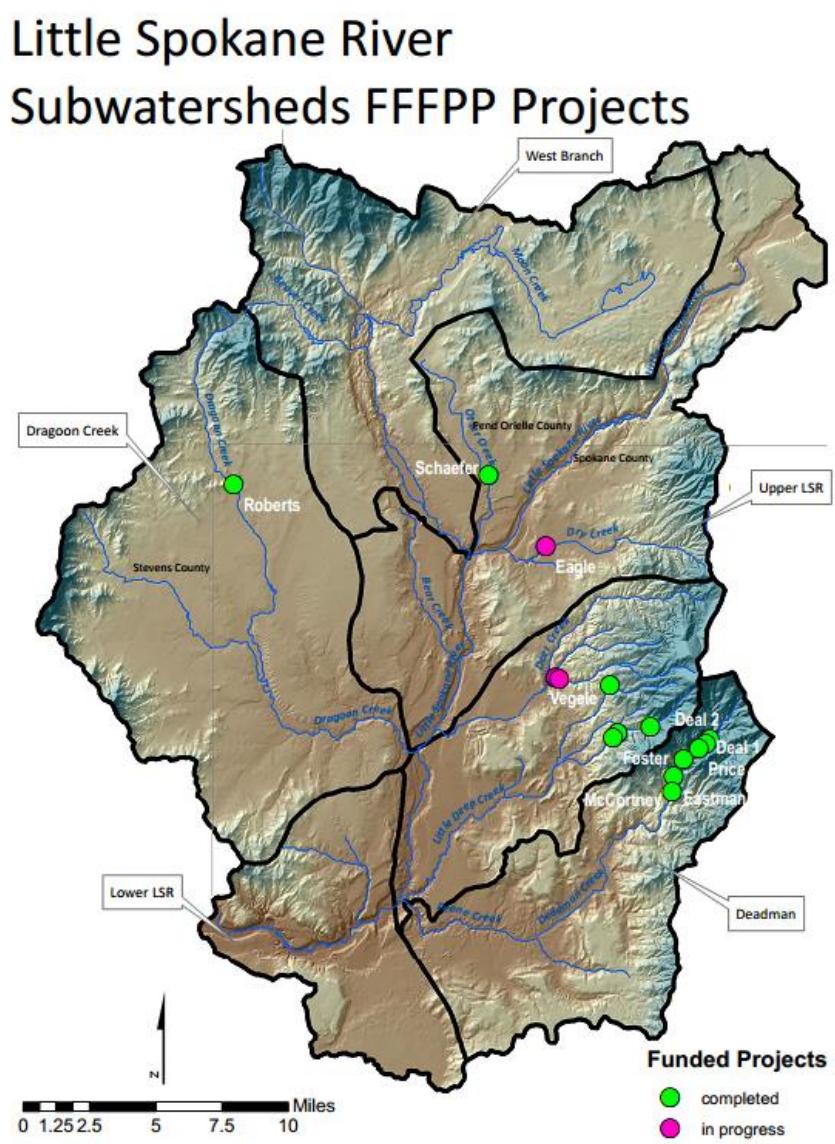
- Initiated in 2009
- Approximately 46,000 willow whips to date
- Popular event for SCD and volunteers

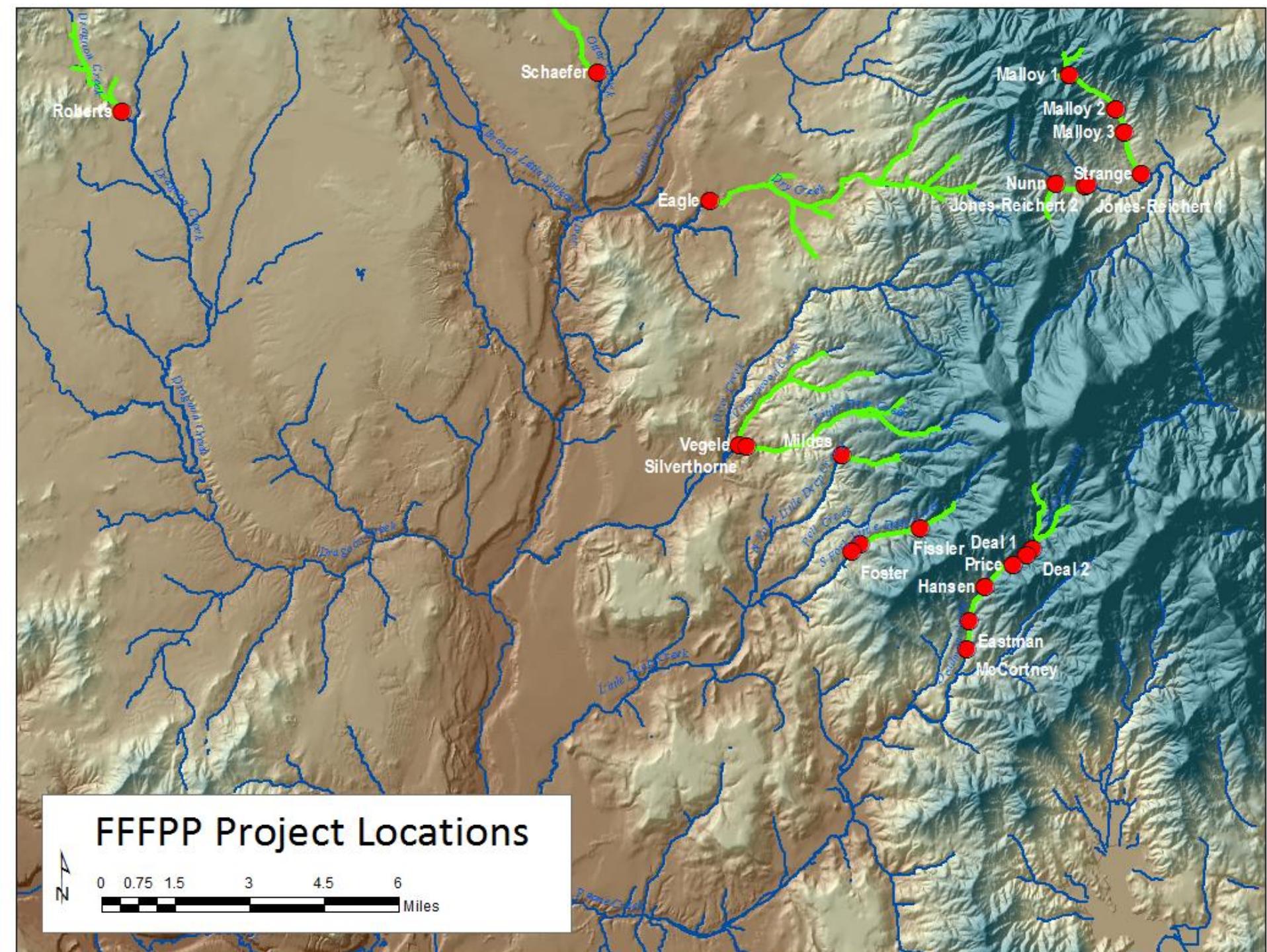




FFFPP Program

- Initiated in 2005
- 21st landowner contract
- 24 barrier corrections
- **110.5 miles** of Type F (fish use) stream habitat have been made accessible.
- FFFPP funds utilized in Spokane County by SCD: **\$2,106,476.25**
- **1 NEW** project for 2017!





FFFPP Project Locations

2016 Blanchard Creek

- Blanchard Cr. (2)
- New 3.08 miles accessible



250' of Channel Regrade



Shoreline/Stream Bank Projects



- Hangman Creek RM 17
- Dragoon Creek
- Deadman Creek
- Newman Lake (2)

Doug Peters
13528 S. Valley Chapel Rd,
Valleyford, WA, 99036
Parcel #34343.902
1549 Feet

Norm Talbot
448-2712
13602 S. Valley Chapel Rd
Valleyford, WA, 99036
Parcel #34343.9039
2121 Feet

Thomas L. Gilligan
13704 S. Valley Chapel Rd
Valleyford, WA, 99036
Parcel #34344.9048
1214 Feet

Raymond S. Rowse
838-1696
611 E 26TH AVE
Spokane, WA, 99203
Parcel #34343.9011
623 Feet

Michelle L. Bisset
443-1919
4403 E SPANGLE CREEK RD
Spangle, WA, 99031
Parcel #34343.904, 34343.9037
619 Feet, 1502 feet

Michael Perry
283-2370
12315 S SANDS RD
Valleyford, WA, 99036
Parcel #34344.9035
1809 Feet

J and J Snyder Living Trust
448-6649
14302 S. Valley Chapel Rd
Valleyford, WA 99036
Parcel #34344.9018
1398 Feet

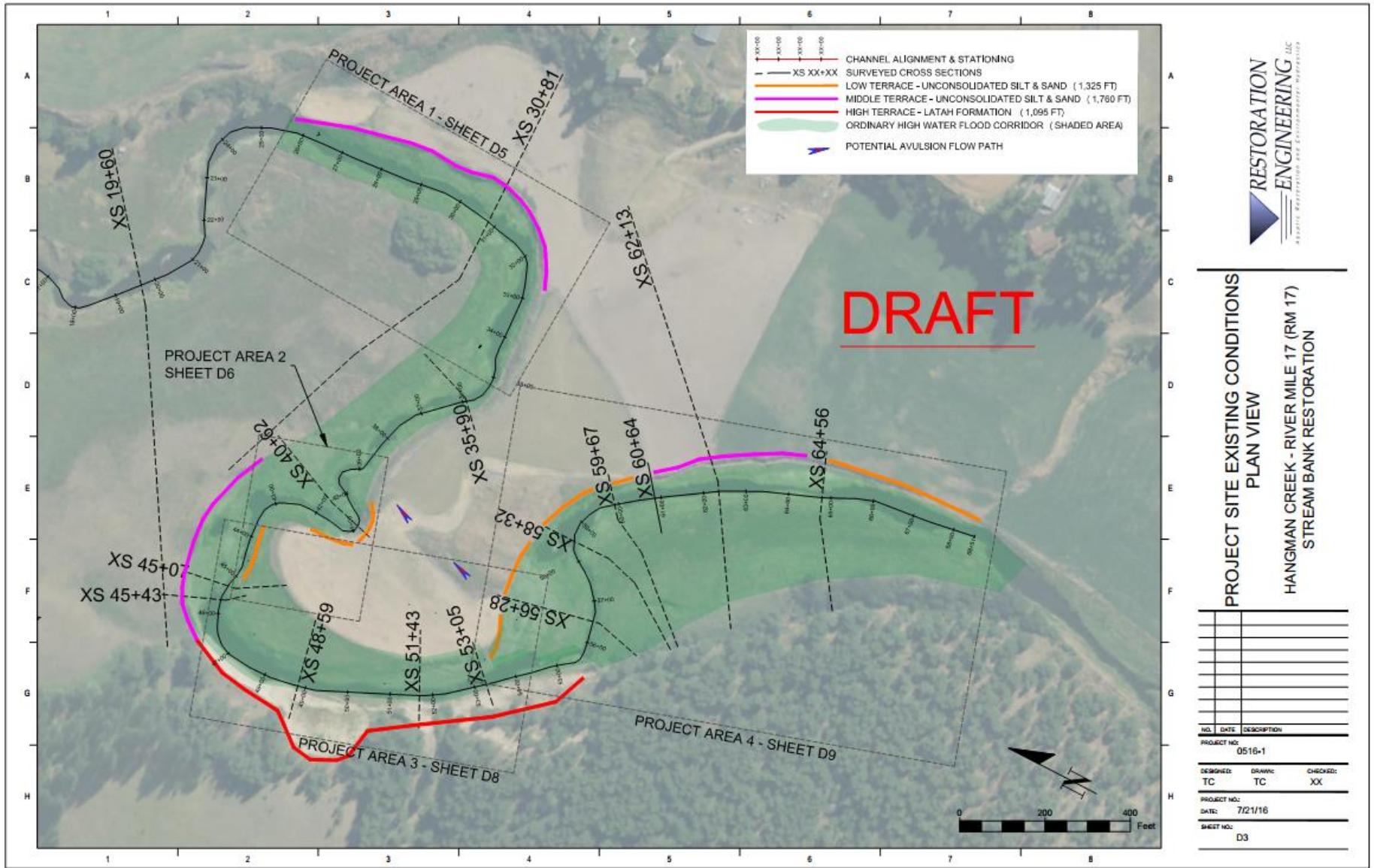
RM-17, Hangman Creek



4. 27. 2005







Newman Lake Shoreline Projects











Livestock and Land Program



- Ends in September 2017
- 3 projects in progress
- Approximately 7,000' of riparian fencing
- 4 off - creek watering stations/heavy use areas
- 1 waste storage facility
- Over 2,000 riparian plantings



2017 Fire Recovery Projects – Yale Road

- Burned over 5,000 acres of steep Rock Creek Canyon
- Loss of 10 private homes, other structures
- Intense fire, highly susceptible to erosion



**Complex
Fire
Map**

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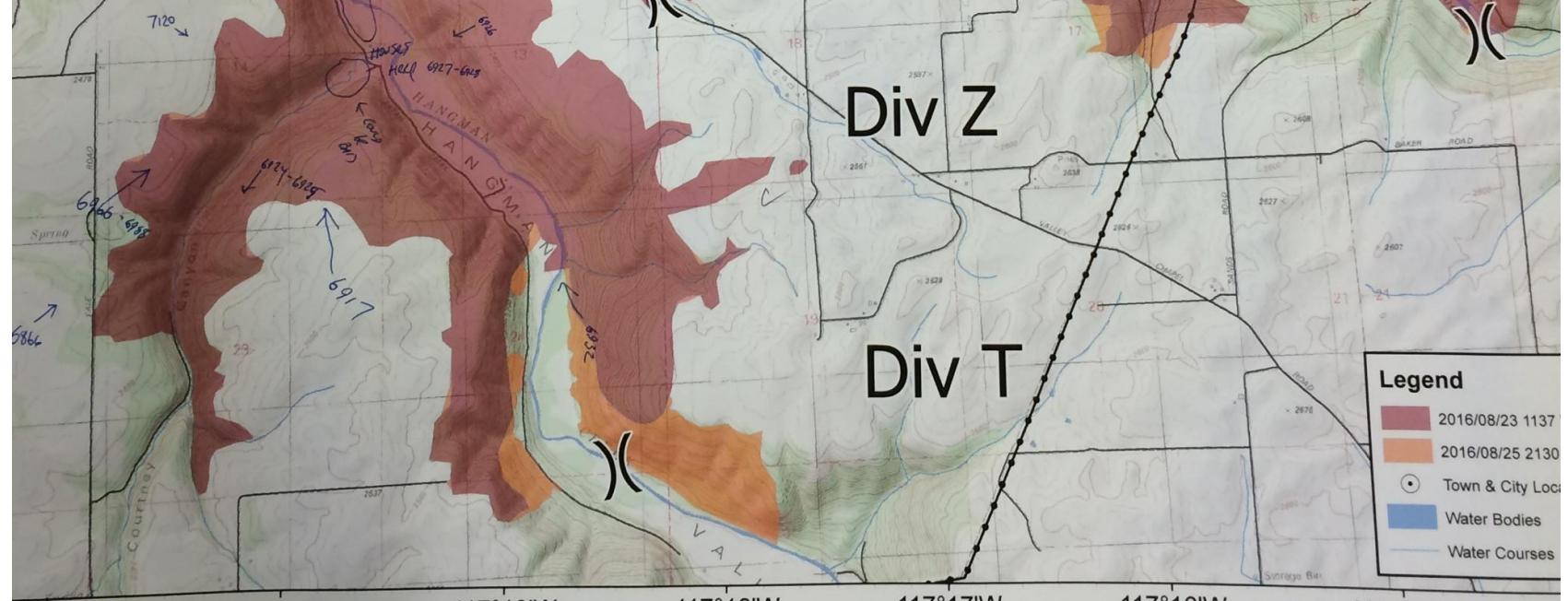
es

2016 @ 1000

es

NWIMT11

Div A





2017 Fire Recovery Projects – Yale Road



2017 Fire Recovery Projects – Yale Road

- Aerial seeding by plane (245 acres)
- Mulch pellet (multiple grass species mix infused)
- 7 miles of perimeter and riparian fencing



QUESTIONS?



Walt Edelen
Spokane Conservation District
(509) 535-7274