

The Little Spokane River & The Hangman (Latah) Creek Watersheds

Nonpoint Source Pollution

Spokane Conservation District Role

 Assist private landowners in conserving and protecting natural resources.

 We are the tool to implement projects at the landscape level to improve and protect water quality.

Provide education and awareness.

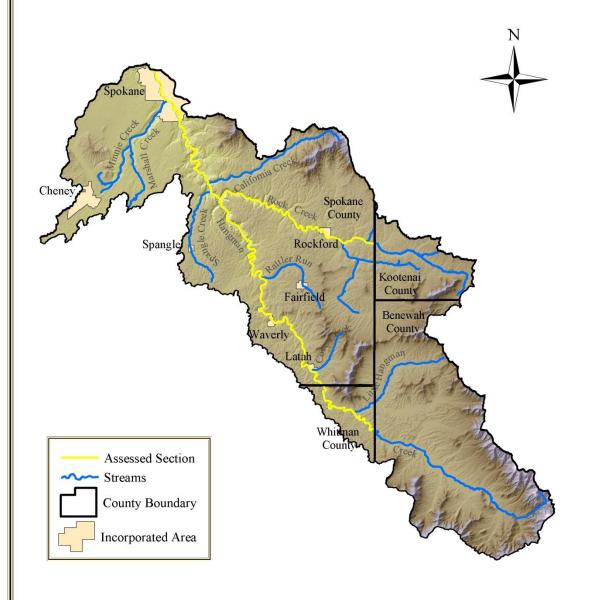
Facts

- 441,000 ac.
- 275,000 ac. of dryland agriculture
- 222 miles of perennial streams

Issues

- Major changes in vegetation
- Altered hydrology
- Easily erodible soils
- Human Impacts

Hangman Creek Watershed



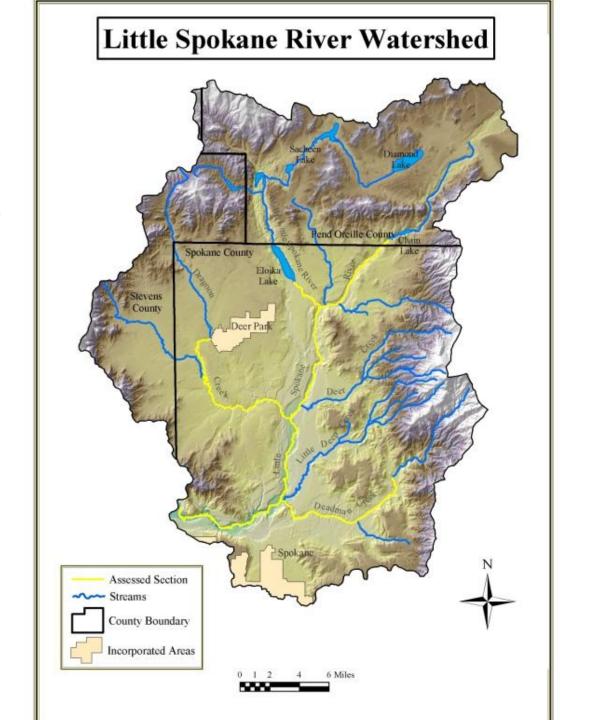


Facts

- 449,000 ac.
- 99, 670 ac. of agriculture
- 340 miles of perennial streams

Issues

- Land use changes
- Residential development
- Urbanization
- Numerous Small Farms
- Agriculture



Historical and Current Issues





NPS is an Investment

Trees do not grow overnight!

 The reduction of NPS is a long-term investment.

 The quality of life and the economic engine of natural resources require that we invest today.

For Example

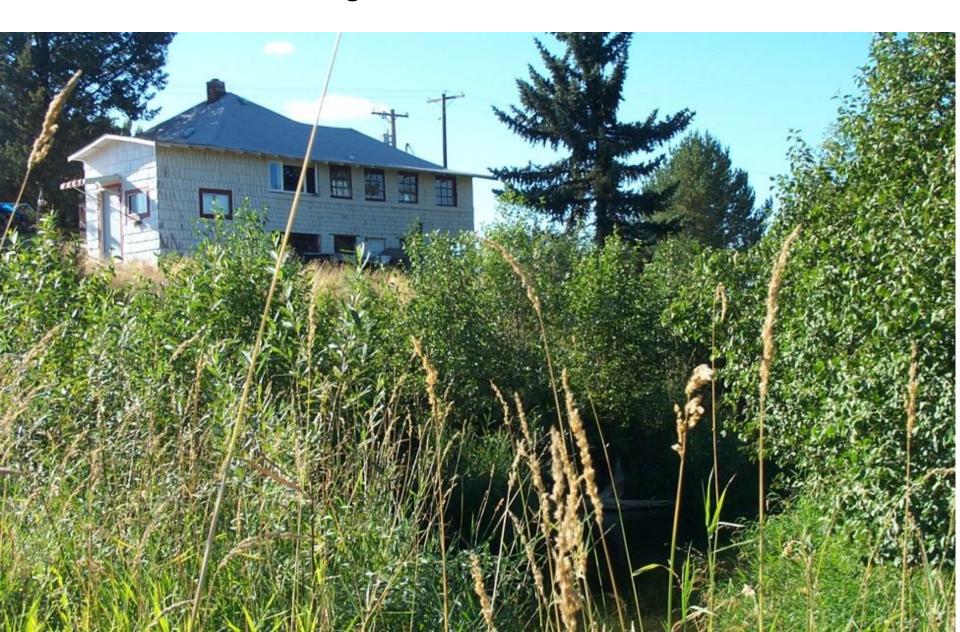


Dragoon Creek 1997

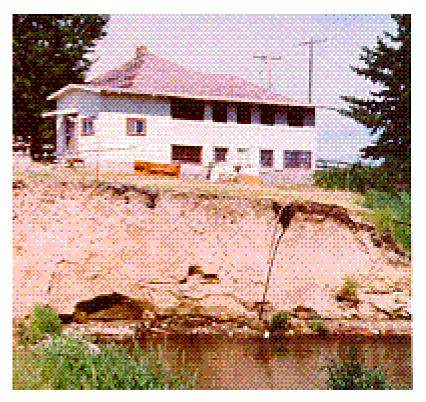
Implementation 1998



Dragoon Creek 2008



The NPS "investment" needs time to pay off





1997 2008

NPS Accomplishments?

"On the Ground" Implementation Since 1998:

- 10 grassed waterways (25,000 ft)
- 15 sediment basins
- Riparian fencing (60,400 ft)
- 26 Off-creek watering facilities
- 13,350 ft of irrigation pipe
- 15 RMS farm plans
- 7,450 ft of stream bank projects
- AWEP project 10,000 acres of conservation tillage



Cont'd

- 4 wetland restoration/enhancement projects (165 acres)
- Over 135 riparian projects (125,000 ft of shoreline/riparian planting /358,210 trees/shrubs)
- Harvested and planted over 36,000 willow and cottonwood whips
- Inventoried over 100 miles of shoreline habitat
- All fish barriers identified in Hangman Creek Watershed
- 13 fish barrier removal projects since 2007
 - Opened 21.0 miles of new spawning and rearing habitat
- Approximately 30,000 acres of direct seed through loan and mentoring program

2011 Fish Barrier – Deadman Creek



2011 Hangman Creek Stream Bank Restoration (1,600')













New Livestock and Land Program "Tough Dirty Work"

- Livestock Operation Improvement Cost-Share Program
- Workshop Series
- Demonstration Projects and Tours
- Peer to Peer Assistance Program
- Livestock Health & Pasture Management
- Chore Efficiency
- Watershed Stewardship







Livestock Inventory

Total # of Operations with animals : 305

Total # of Animals Counted: 2071

Animal totals by class:

Cow: 763

Horse: 870

Goat: 38

Chicken: 44

Sheep: 68

Llama: 46

Other: 242

Operations by size:

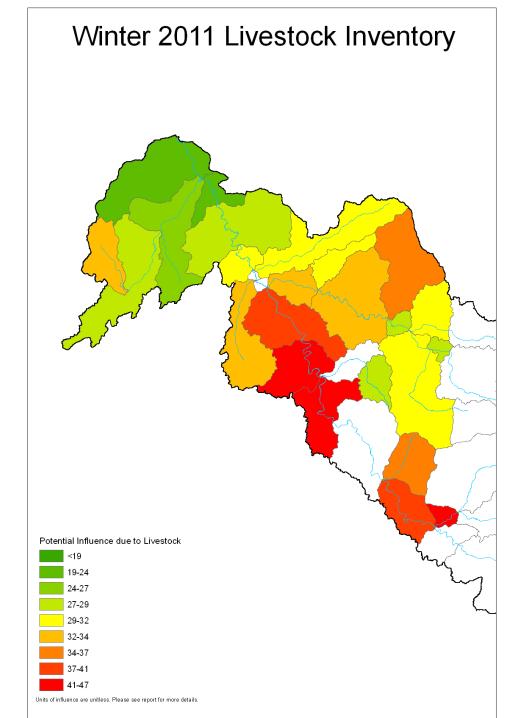
Small (less than or equal to 5 animals):

218

Medium (between 5 and 20 animals):

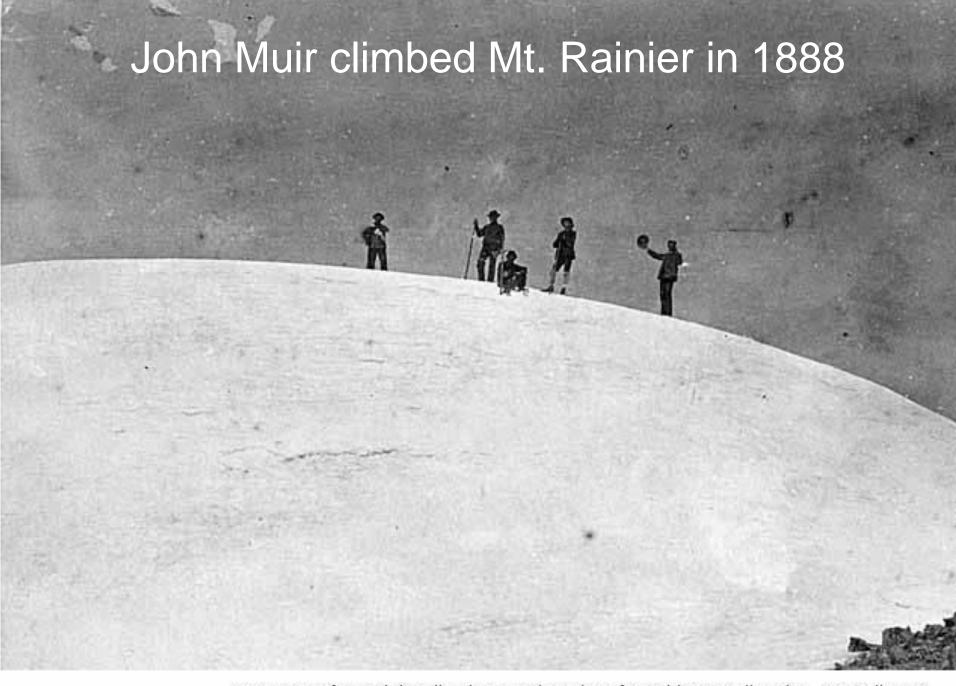
74

Large (greater than 20): 13



Water Resource Monitoring

- Significant WQ monitoring in Hangman Creek, Little Spokane River (Ecology/SCD wrote TMDLs for both)
- (8 stations) Ground water monitoring network in Hangman Creek Watershed (new)
- Volunteer WQ monitoring program (30 volunteers)
- Sediment monitoring in Hangman Creek Watershed
- Installed and maintained 11 stream discharge stations for 10 years
- Established 2 new USGS real-time stream gages in County



Property of Special Collections, University of Washington Libraries. PH Coll 273



