

DO TMDL Update 2017



Non-point Source Reduction through riparian restoration

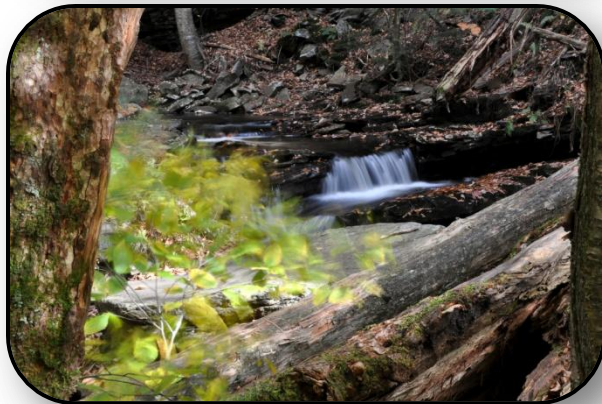
A presentation by Amanda Parrish
The Lands Council

Who is The Lands Council?



Environmental Non-Profit
Spokane, WA

We preserve and revitalize Inland Northwest forests, water, and wildlife through advocacy, education, effective action, and community engagement.



We collaborate with a broad range of interested parties to seek smart and mutually respectful solutions to environment and health issues.

Riparian Restoration Philosophy

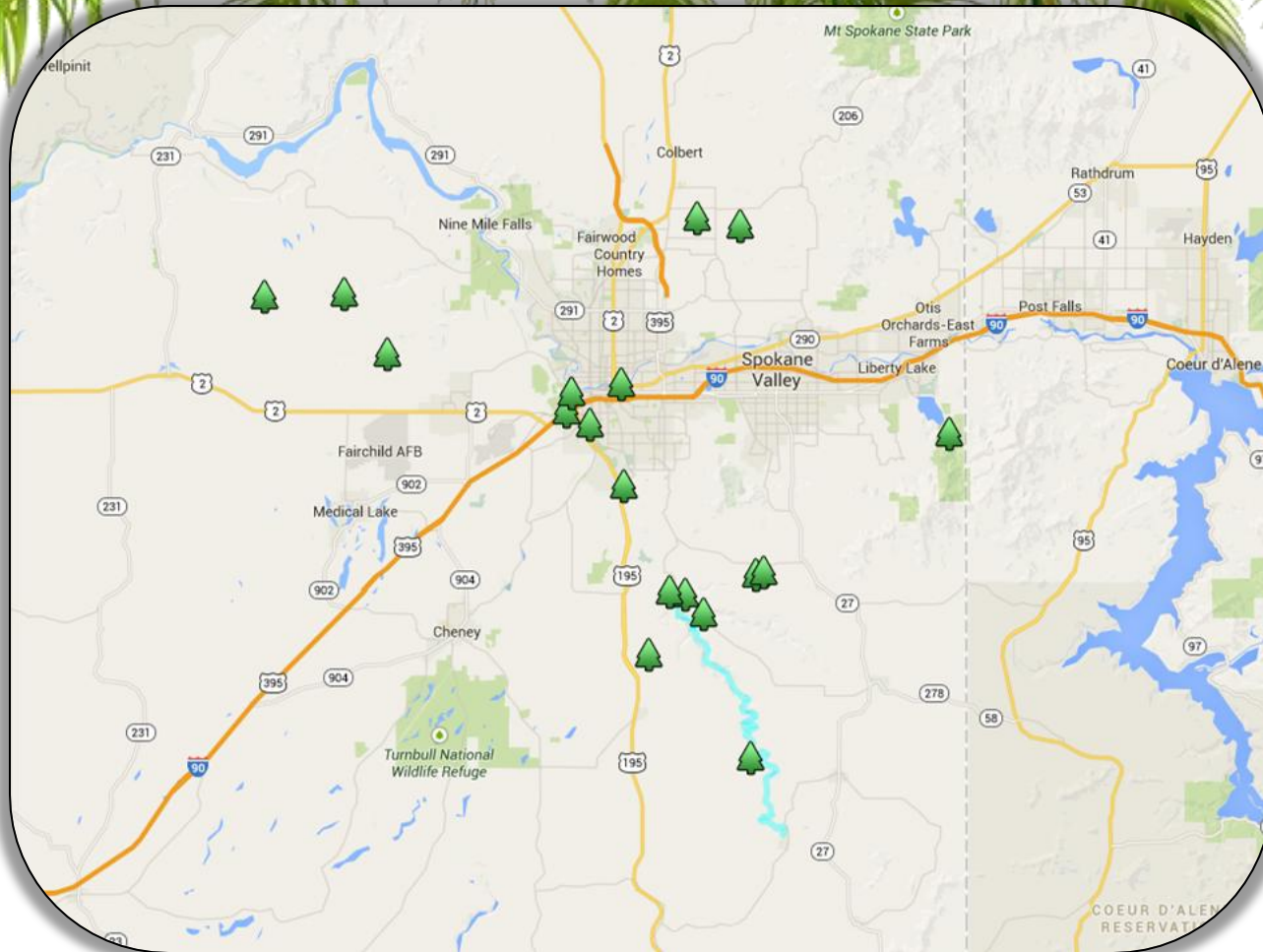


Re-establishing native vegetation



Hydrologic/geomorphic changes

Restoration Sites



THE LANDS COUNCIL

25 W. MAIN, STE 222

SPOKANE, WA 99201

(509) 209-2851

WWW.LANDSCOUNCIL.ORG

Re-Vegetation Restoration Techniques

Active:

Planting whips, poles, plugs, and potted stock



Re-Vegetation Restoration Techniques

Passive:

Build enclosure fences around self-propagating trees





By the Numbers

Hangman Watershed:

10 sites total

2 miles of streambank

Little Spokane Watershed:

1 site (Deadman Creek)

0.65 miles of streambank

WRIA 54:

3 sites (Deep and Coulee Creeks)

1 mile of streambank

50% survival after three years, 80% canopy cover after ten years

Hydrologic/Geomorphic Techniques

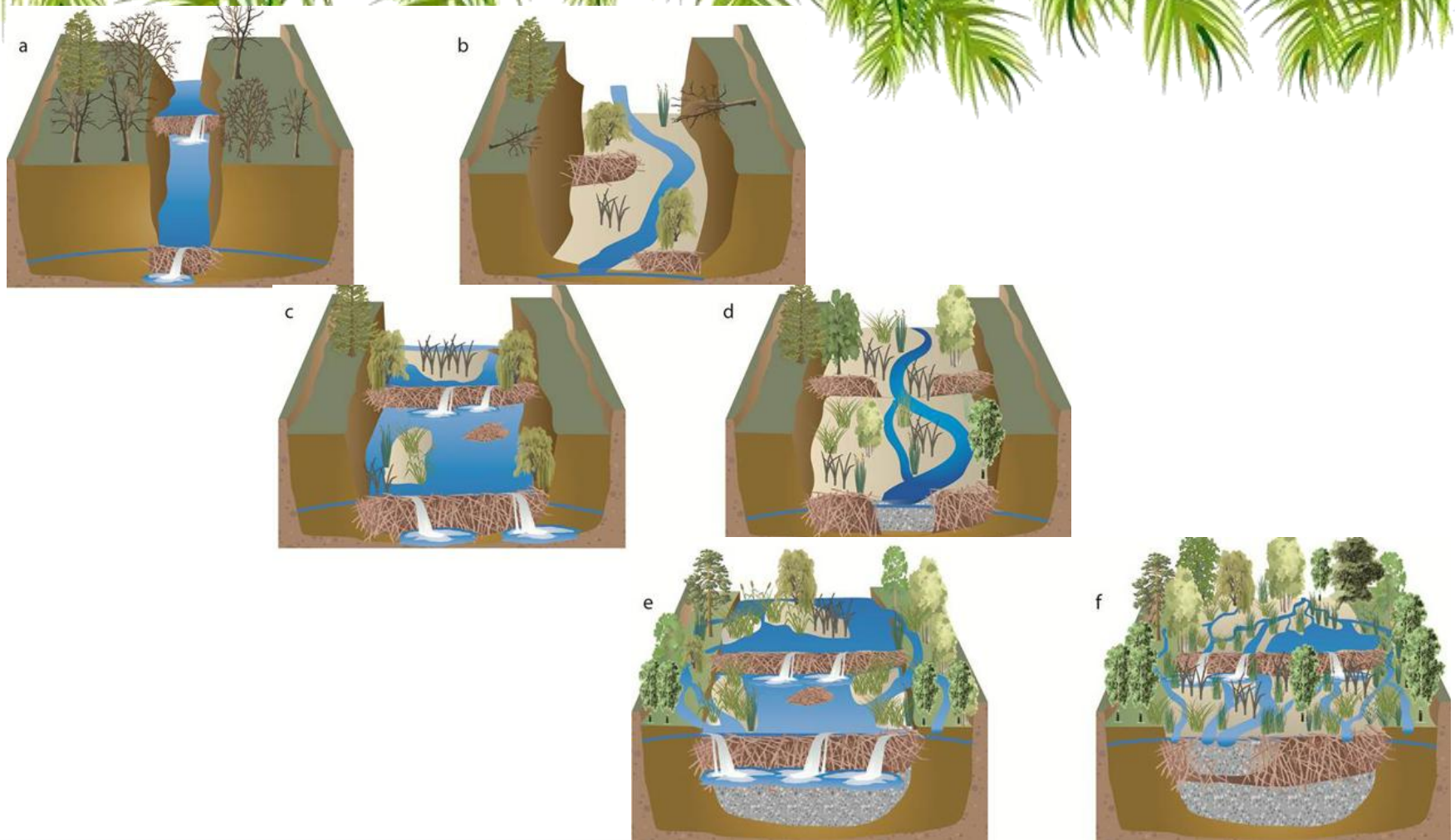
The Beaver

Solution:

Using beavers as
agents of water
storage and restoration



Beaver Dams and Sediment



Beaver Dam Analogues



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Storm Gardens



Average annual precipitation: 16.5"
Gallons to be treated annually: 335,144

Final Landscaping



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Door-to-Door Outreach



3 Neighborhoods:
Shadle, Riverton,
Hillyard

Brochures Distributed:
3,000+

Interested in LID:
1 out of 8

A Fungi-dea



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Questions?



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