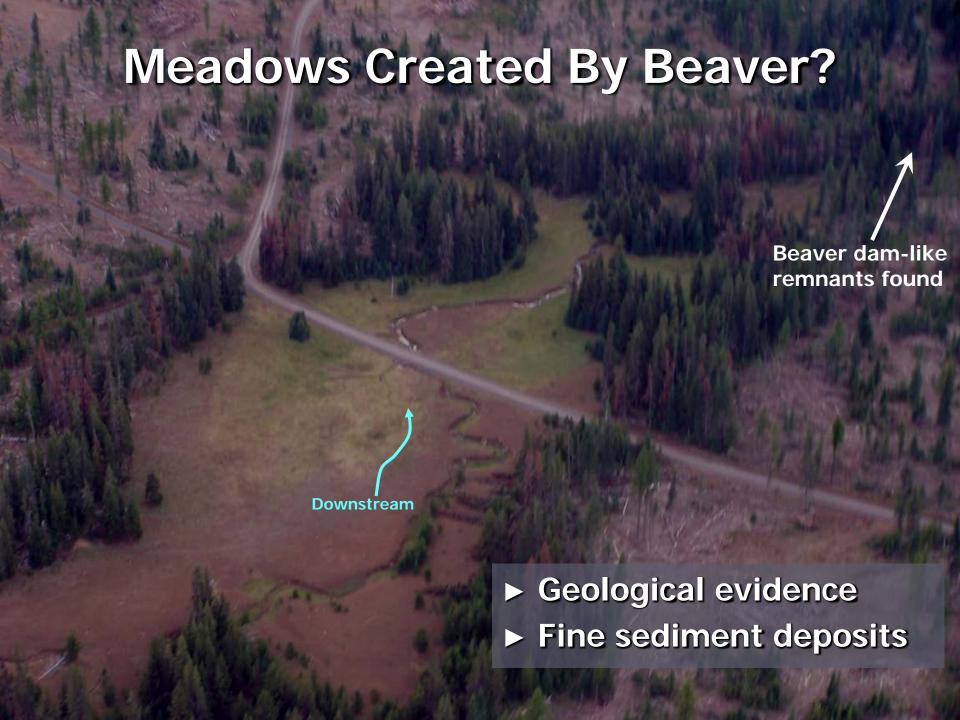
RELOCATING and TRACKING BEAVER 2007 Pilot Project

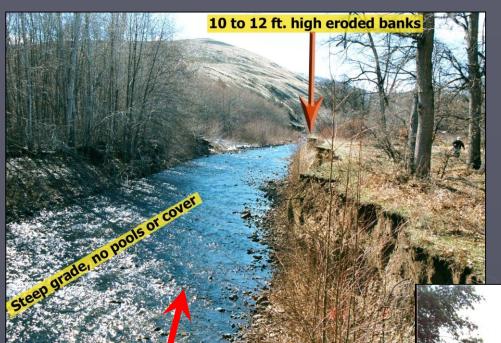


Heather Simmons-Rigdon – NRCS/USDA South Central Washington Resource Conservation & Development (RC&D) Council - Program Coordinator





Unsuitable Relocation Sites



- ▶ Too steep
- ► Too fast
- ► Too little riparian vegetation





Suitable Relocation Sites

▶ Need

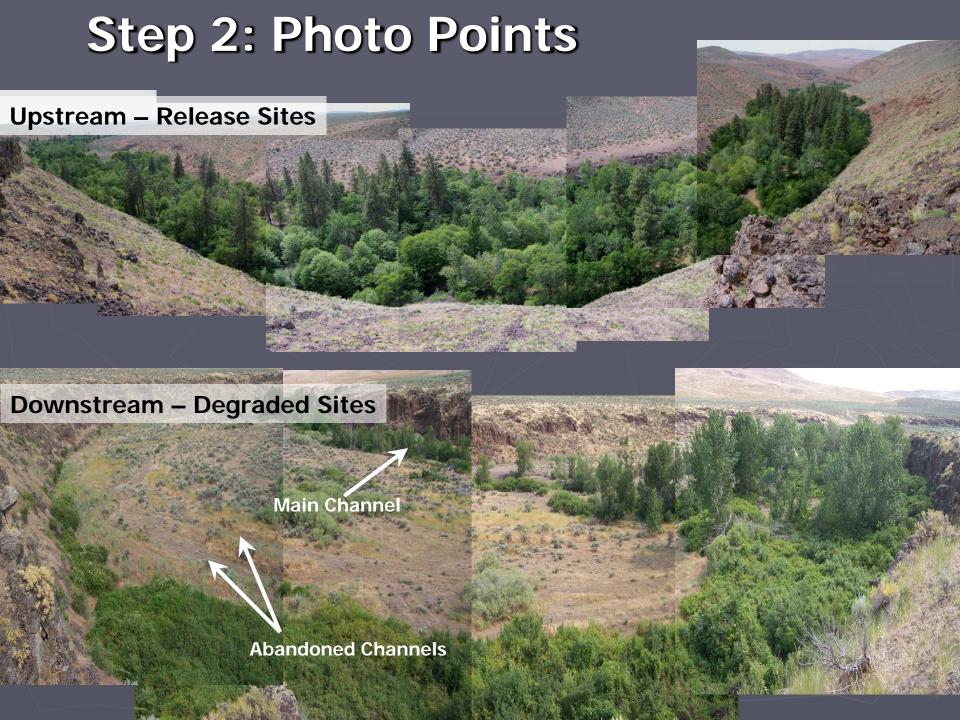
- RiparianVegetation (Food)
- Trees (Building Material)
- Deep pools (Hiding)
- Low gradients



Project Goals – Short Term

- 1) Locate stream with high restoration potential and suitability for beaver
- 2) Relocate 50 beavers throughout stream
- 3) Achieve 50% survival and establishment
- 4) Use Radio-telemetry to
 - track movement
 - site fidelity, and
 - establishment success







Step 4: Transition Phase



Problems:

- Beavers can chew through metal!
- Use horse panel, sheet metal, or concrete.

External Radio Transmitters for Beaver



- Radio neck collars don't work (no neck)
- Internal transmitters don't work (very well)
- Mortality Signal worth the \$\$\$

Modified Ear Tag

- Designed by: Wendy Arjo (360) 956-3925, x3
- Made by: ATS Inc. (763) 444-9267



Step 5: Inserting Radio Tag

- 1) Anesthetize
 - Ketamine/Xylazine









Wildlife Handling and Chemical Immobilization Training

- ► November 2008
- ► Mark Johnson, DVM
- ▶ Wolf Haven Tenino, Washington
 - http://www.wolfhaven.org/lectures.php
 - http://wildliferesources.org/seminar.html





Step 6: Moving Beavers





ISSUES:

- •First 48 hours critical!
- Don't release beavers on same day drug given!
- Transmitters fail
- Bears like to eat beavers





Results

- ► 11 beavers trapped and brought to holding cages
- ► 8 relocated (3 died during handling)
 - 3 died predation
 - 2 lost signals
 - 1 recovered transmitter fate unknown
 - 2 assumed alive and settled
- ▶ 25% success TOO LOW!





Release Site Release Site B982, Survived B459, Survived B969, Transmitter Lost B243, Unknown B951, Eaten Release Site Dam

Movement Distances

- ► Longest distance ~ 1.5 miles
- Overall movement was downstream
- Mortality signal very useful

2008 - Changes To Project

- Create petty fund to pay trappers.
- Keep beaver 2-3 days after trapping and tagging.
- **▶** Predator control?



