



Nestucca-Neskowin Watersheds
Council

Wildcat Creek Restoration Project

A cooperative effort of private
landowners and public agencies.



Restoration Goals

- **Replace a high priority fish passage barrier.**
- **Improve in-stream and riparian habitat complexity, retain gravels, and reconnect the stream to the floodplain.**

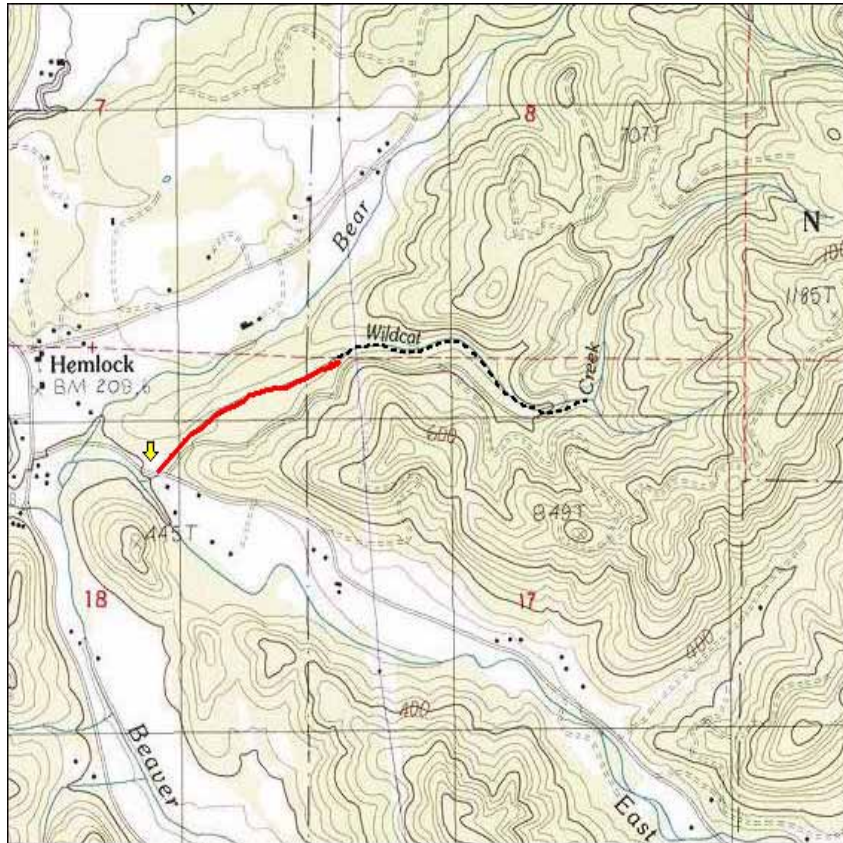
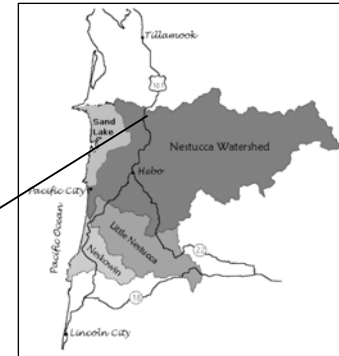


Partners & Roles

- NNWC – project management
- Private landowners – access & trees
- US Forest Service – design, engineering & construction oversight
- Tillamook County Public Works
- Oregon Watershed Enhancement Board – funding
- US Fish & Wildlife Service – funding



Location



TN \star /MN
17 $\frac{1}{2}$ $^{\circ}$

0 5 1 MILE
0 1000 FEET 0 500 1000 METERS

Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

12 miles south of
Tillamook, OR

T3S R9W Sec. 18

◇ Arrow marks culvert
replacement.

Solid line marks log
staging areas & Coho
habitat

Dashed line shows
cutthroat habitat.



Culvert Replacement

On East Beaver Creek Road

- Replace 3 ft diameter pipe with 14 ft x 6 ft box
- Restore stream below culvert down to E. Beaver Creek



Culvert Replacement

View upstream into culvert



Streambed material was added in the culvert and channel.



Stream Restoration

View downstream from culvert



Native trees & shrubs will be planted here & elsewhere.



Acquiring Logs

- Trees came from US Forest Service land in the Nestucca watershed.





Log Transport

- Log transport contractor unloading logs





Log Placement

- Log placement contractor placing logs at one site





Log Structure



View looking downstream at Wildcat Creek.

In the Winter, logs will trap sediment and slow velocity for spawning fish.

In the Summer, logs will provide pools and shading for juvenile fish.



Conclusions

- Culvert was replaced on time & under budget
- Log placement work completed on time & under budget
- Riparian planting along Wildcat Creek will occur in winter 2009
- Post-project fish survey will occur in 2009
- Monitoring of the structures will occur in 2008, 2009 & 2010



Nestucca-Neskowin Watersheds Council

Thank you to

- *Private landowners & Tillamook County*
- *Oregon Watershed Enhancement Board*
- *US Forest Service*
- *US Fish & Wildlife Service*
- *Local Contractors*