

Beaver Creek

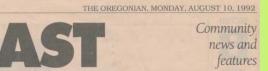
- Originates 2.5
 miles south east of
 Barlow HS
- Drains 13.6 square miles.
- Has three tributary's: Arrow Creek, South Fork, Kelly Creek.
- Home to 14 different fish species including Coho, Chinook, and Steelhead





Focus on
 Creekside adjacent to
 Glen Otto Park
 &
 Beaver Creek Canyon
 between Troutdale Rd. &
 Sandy Palisades

• Early 1990's research concluded storm water run was causing sediment deposition and erosion issues in creek





The Originial PIOSE (left), who heads Troutdale parks, and Patti Polly, who is on the city's parks divisory board, look over a trail washout at Kiku Park.



Before Removal

Restoration History

- 1993 \$600,000 city bond included enhancements of Beaver Creek canyon.
- 1995 To reduce erosion around stream bank Invasive Himalayan Blackberry's were removed and native Willows were planted by Friends of Beaver Creek.
- 1996 Governors Watershed Enhancement Board (GWEB) grant funded restoration along the creek by Glen Otto Park.

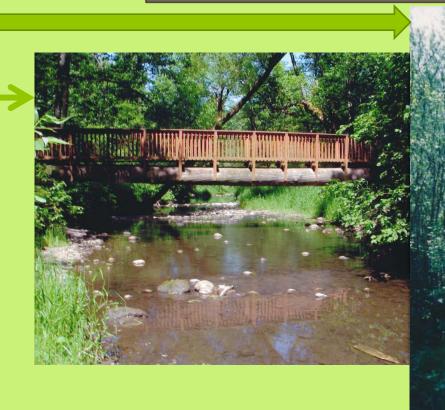
After Removal

1997 Construction

Restoration History

- Beaver Creek
 Canyon Boardwalk
 in June
- Log Bridge across
 Creek
- Strawberry
 Meadows Trail

INSERT SBERRY
MEADOWS PICS HERE



- 2000 & 2001 MHCC Integrated Natural Resources Student Teams completed 5 studies each summer documenting natural areas within Beaver Creek noting wildlife such as deer, coyotes etc.
- 2000 & 2001 Inmates from correctional crews and Multnomah Youth Core performed maintenance and plantings along riparian area
- 2000-2002 April including Earth Day 145 individuals cleared 2 acres of blackberry bushes, cleared 2 cubic ft. of garbage and debris, planted over 500 plants, from 11 organizations totaling 557 hours.







East Multnomah Soil and Water Conservation District "StreamCare" program

- Started in Beaver Creek in 2009
- Partners with private landowners along the Creekside
- 100% free removal of weeds and revegetation with native species
- Aims to have project area stable in 5 years
- Shades Creek, lowers water temperature and stabilizes bank
- 80 land owner participants
- 200 acres of weeds removed and replanted
- 117,000 natives planted

Metro Regional Government

- Owns 3 property's in the Beaver Creek watershed with restoration work focusing on weed control and reforestation of native species
- South Beaver Creek 60 Acres on MHCC campus, invasive species removed in 2012 and 2014, 50,000 seedlings planted in 2015 with yearly maintenance
- Beaver Creek Canyon 12 acres
- North Beaver Creek 3 acres.

2002+ SOLVE worked on numerous property's including:

- The Espenial Property where townhouses currently sit
- Upstream from townhouses performing a peel back of the bank
- Adopting the Creekside adjacent to the RV park performing needed work
- Partnering with Anne Schilke and the Jackson Street Rd. neighborhood to access private parts of the Creek



3 main types of Salmonids in Creek Chinook





Coho



Steelhead



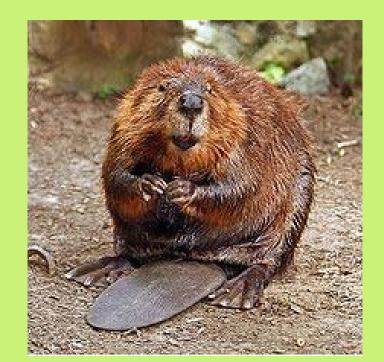
Beaver Dam along Anne Schilkes Property



Beaver in Beaver Creek

North American Beaver (Castor canadensis)

Build Dams which help shape streams and change the landscapes of the Creek





Spawning Data

Glen Otto Park to Kiku Park:
30 live Coho
2 Dead Coho
8 live Chinook
5 Dead Chinook

Kiku Park to Troutdale Rd.:

2 live Coho 1 Dead Coho

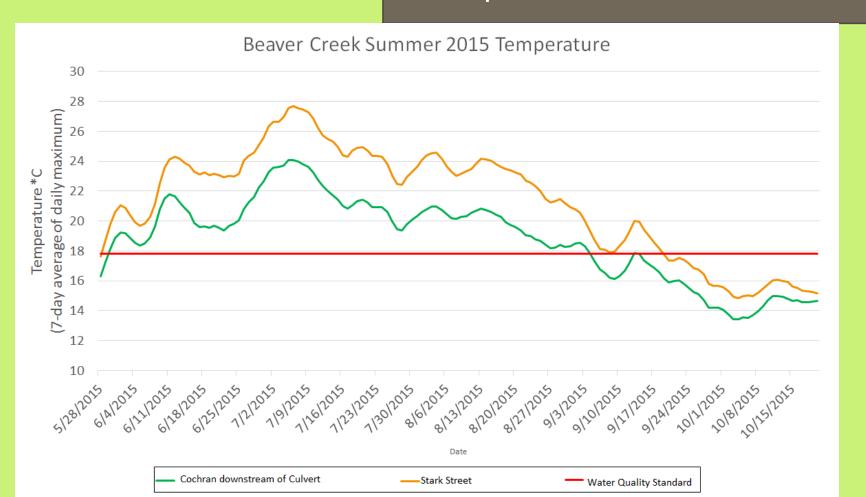
4 live Chinook 1 Dead Chinook

Troutdale Rd. to Kelly Creek Confluence

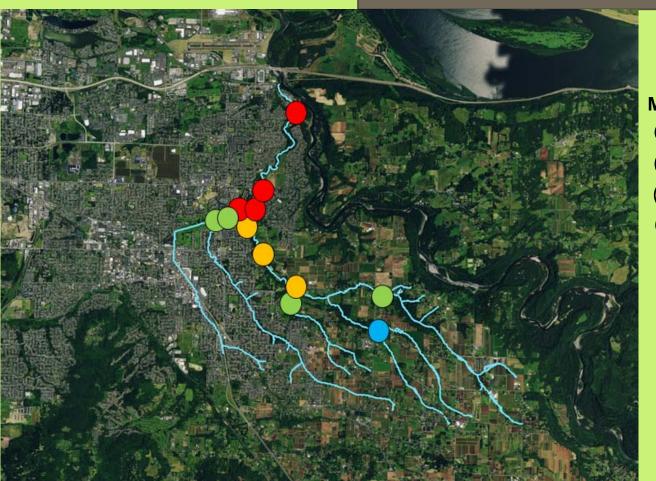
10 Live Coho 1 Dead Coho

5 Live Chinook 1 Dead Chinook

Temperature in Beaver Creek



Temperature in Beaver Creek



Max temp



<18



18-22.5



22.6-26



>26

Beaver Creek Culverts

Troutdale Rd.

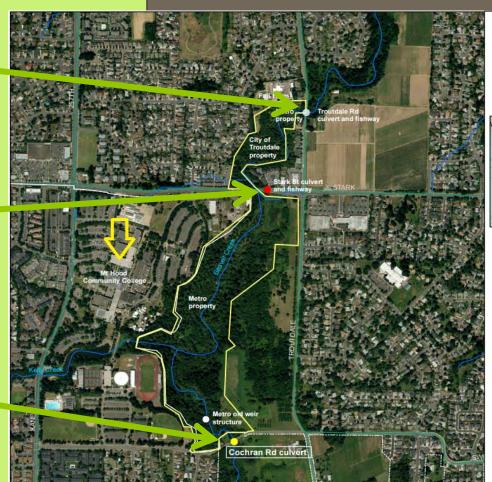
Existing fish ladder

Stark Street

Full barrier, 0% passable

Cochran Rd.

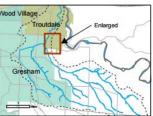
Partial barrier, 33% passable





Beaver Creek Fish Passage and Habitat Enhancement Project

Project Site Map





125 250 500 750 1,000 Fee



Troutdale Rd. Culvert





Inlet of Culvert Outlet of Culvert

Cochran Rd.





Inlet of Culvert Outlet of Culvert

Stark Street





Inlet of Culvert Outlet of Culvert