

ACTIONS *for* WATERSHED HEALTH

2005 Portland Watershed Management Plan



working for clean rivers

Portland City Council Presentation

March 8, 2006

Erik Sten, Dan Saltzman,

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Collins

Dave Kliever, Eugene Lampi, Marjorie

Brown

Deborah Stein, Michael Montgomery,

Dave McAllister

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COLUMBIA SLOUGH



FARWO CREEK



JOHNSON CREEK



TRYON CREEK



WILLAMETTE RIVER

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March 8, 2006

**Watershed Science Advisory Group
Participants, including:**

**Debbie Dietz Silva, Paul Fishman, Dorothy
Sperry**

**Rod Thompson, Sherri Groh, Tom
Downey**

**Patti Howard, Joe Keating, Paul Ketchum
Bruce McClelland, Neil Mullane,
Rob Burkhart**

**Ben Meyer, Nancy Munn, Joel Salter
Bob Sallinger**

**Deborah Stein, Bianca Streif, Jennifer
Thompson**

**Dave Ward, Travis Williams, Chuck
Willis**

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Other Important Participants:

The Watershed Councils' Staff and Executive Directors including – Michelle Boussard, Terri Preeg Williams, Chuck Sams

Laura Porter, Eric Strecker, Kathi Futornick, Robert Schottman, Linda Bauer, Linda Robinson

Julie Wilson, Libby Smith, Kim Cox, Sara Gardner

Linc Mann, Leslie Winter-Gorsline, Joan Saroka

**Roberta Jortner, Deb Lev, Dawn Sanders
Dave Kliewer and Linda Dobson**

**Brendan Finn, Bob Durston, Maria
Thi Mai**

**John Bolte and Said Iro – Oregon State
University – GO BEAVERS!**

Kendra Smith and Jill Ory – Clean Water Services

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**Jennifer Devlin and her Americorp
Volunteers:**

- * Lisa Libby
- * Lisa Doolittle
- * Bethany Nabhan
- * Colleen Mitchell
- * Lynette Shaw
- * Matt Gallagher
- * Jennifer Casciato

**Sara Culp, Ning Mao, Mark Liebe, Cindy
Studebaker, Daryl Houtman Virgil
Adderley, Amy Chomowicz, Quentin
Pitts, Ssuan Barthel, Emily Hauth**

Mary Wahl

An aerial photograph showing a dense industrial area with numerous large, rectangular buildings and parking lots. A river flows along the top edge of the frame. The buildings are mostly light-colored with flat roofs. There are some green spaces and roads interspersed among the structures.

The Lower Willamette

**Large amount of impervious area =
Large amount of unmanaged and
untreated stormwater runoff**

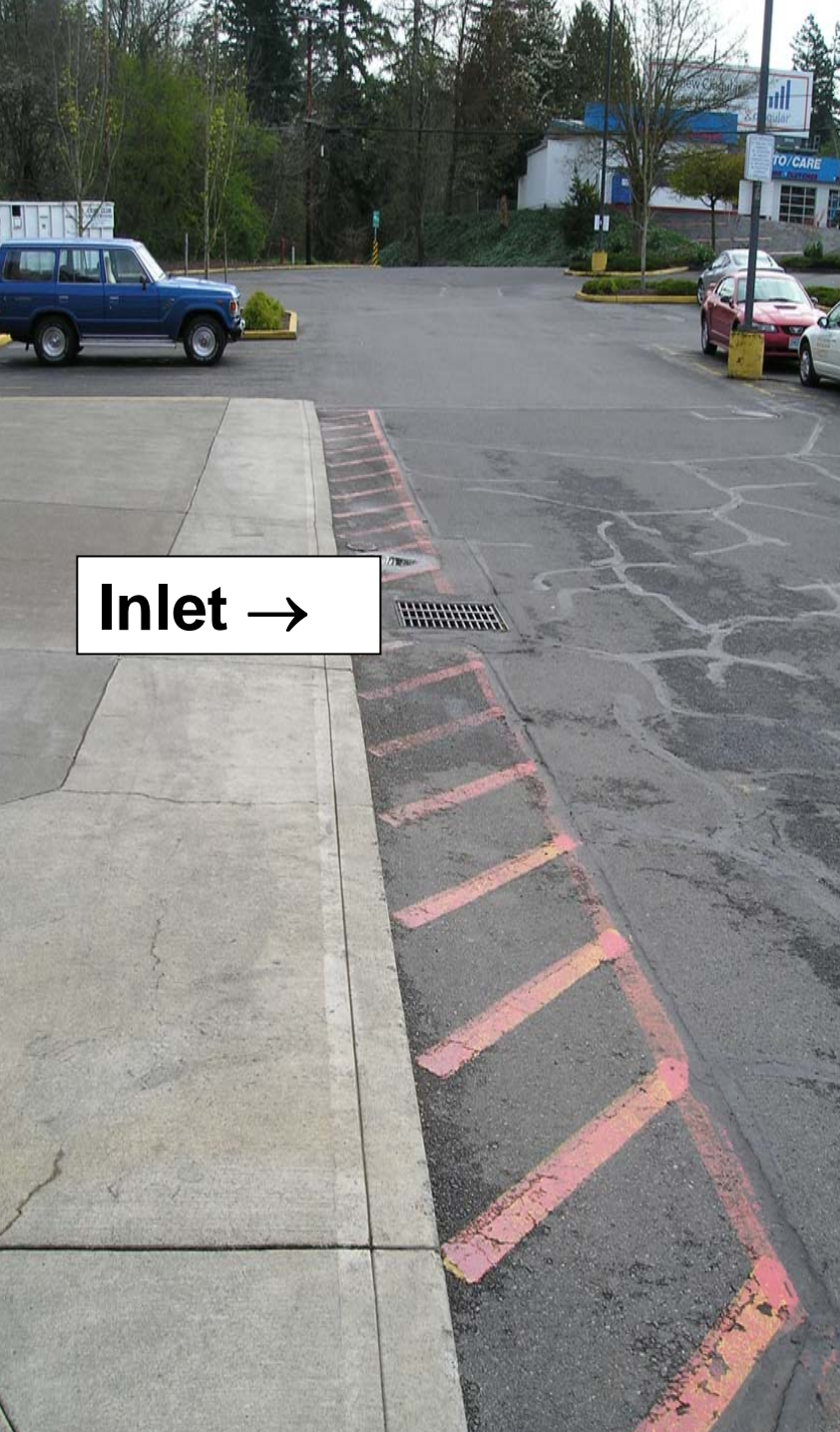
**Exceeds State Water Quality Standards for
Bacteria, temperature and dissolved
oxygen**

A photograph of a slough with a pipe discharging into it, surrounded by dense vegetation.

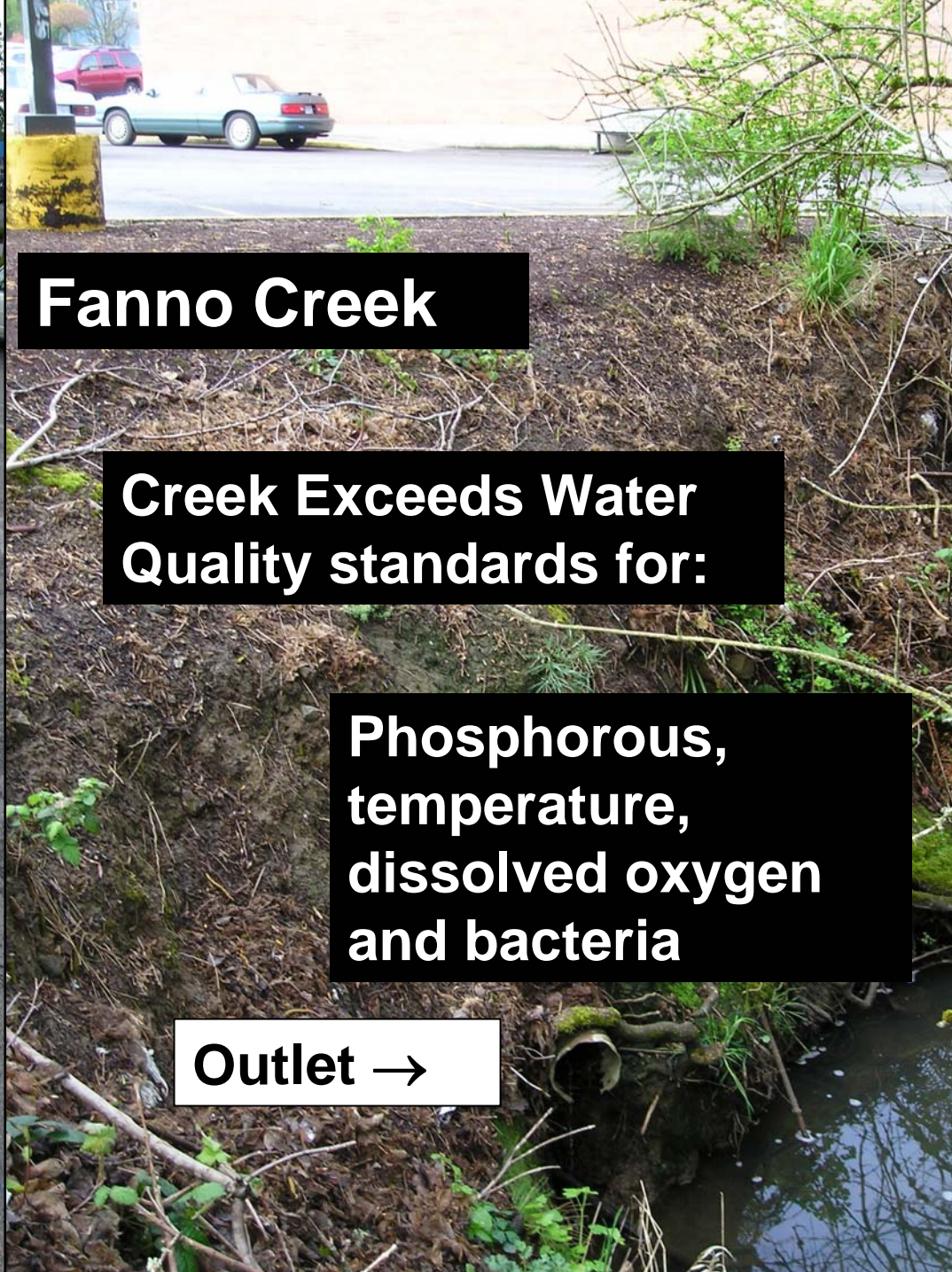
Columbia Slough

**Oregon Water Quality Index =
Very Poor**

**High temperatures,
excessive algae growth,
pesticides and metals in
sediments**



Inlet →



Fanno Creek

Creek Exceeds Water Quality standards for:

Phosphorous, temperature, dissolved oxygen and bacteria

Outlet →



Johnson Creek

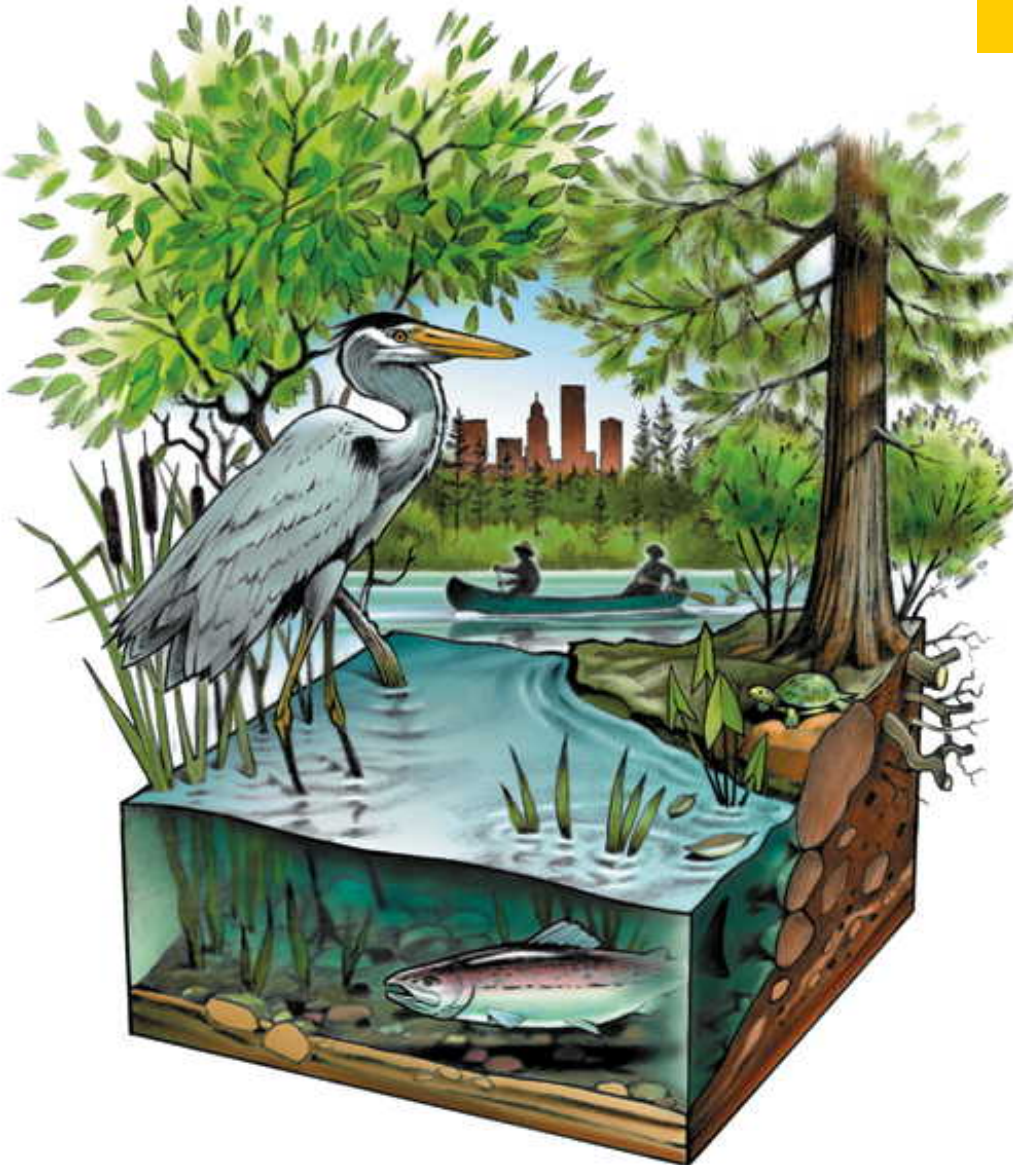
Floods every 2 years

**Oregon Water Quality Index =
Very poor**

Portland's Clean River Plan

TEN ACTIONS FOR SUCCESS

March 2000

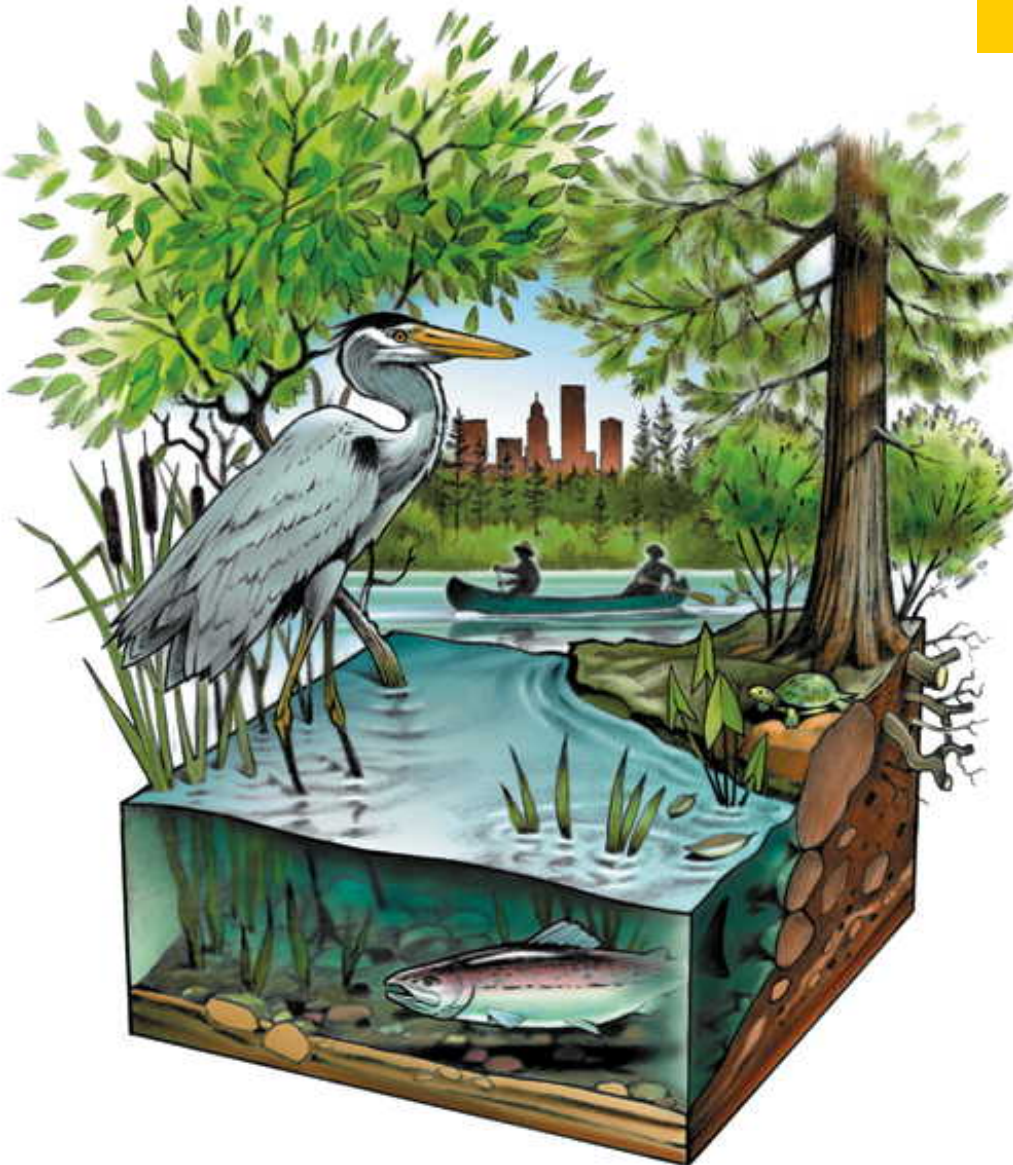


1. Aggressively control combined sewer overflows
2. Plant trees, native vegetation and create buffers along streams
3. Reduce stormwater flow and pollutants reaching our streams
4. Upgrade Portland's eastside sewer system
5. Control erosion from construction and development

Portland's Clean River Plan

TEN ACTIONS FOR SUCCESS

March 2000



6. Increase pollution prevention and source control efforts
7. Education and stewardship
8. Floodplain restoration
9. Monitoring and watershed assessment
10. Coordination and partnership



**The Solution –
Willamette SW 13th and
Montgomery:**

- Retrofit existing development
- Manages stormwater
- Improves WQ and protects infrastructure



The Solution – Columbia Slough Ramsey Lake Refugia Project

- Salmonids are returning
- Enhanced habitat: fish, native turtles and amphibians
- Wetland restoration



Help me!

The Solution – Fanno/ Tryon SW Community Ctr, Parking Lot Stormwater Swale Retrofit:

- Recharges groundwater
- Filters and cools water
- Improves water quality
- Protects pipes by taking water off the system



OCT 26 2000



**Solution – Johnson Creek
Brookside Wetland:**

- Provides room for flooding
- Enhances fish and wildlife habitat
- Provides public open space and an Outdoor Classroom

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- **Plan provides a scientific foundation and sets our future course**
- **Action oriented**
- **Monitors progress**