

Green/Duwamish Watershed Strategy Project Overview

Presented at:

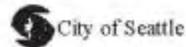
Green-Duwamish Pollutant Loading Assessment

Interested Parties Meeting

May 28, 2015

Our Green Duwamish...

Teaming up for our Green/Duwamish River Watershed



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Why a watershed strategy?



Cleaning up the Duwamish...

is just one part of the puzzle

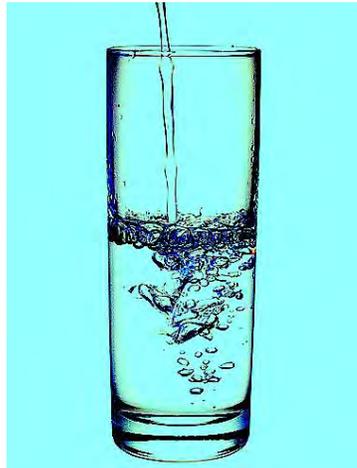


We all want more...

No thanks.



Yes please.



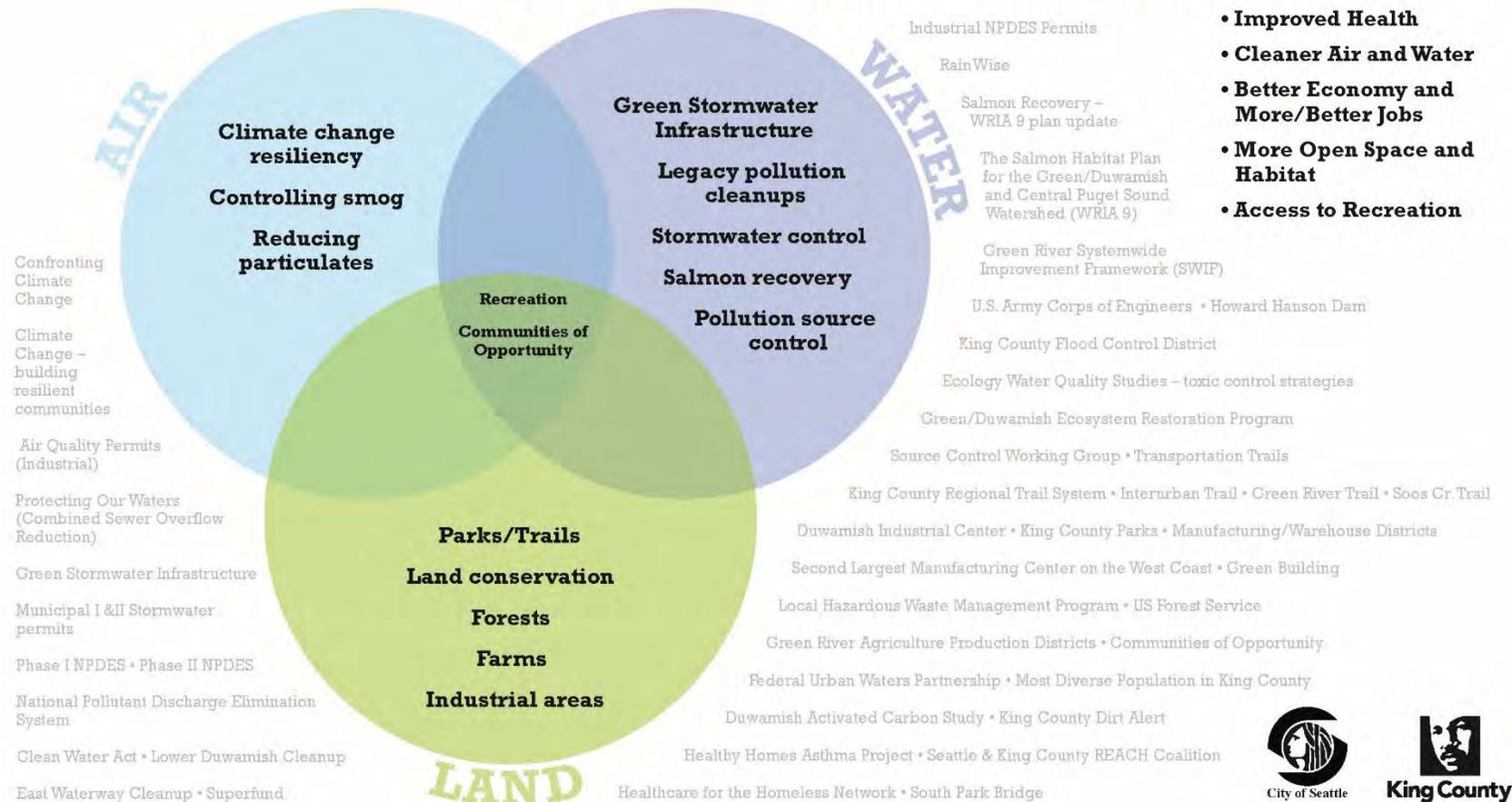
We want an environment and community that is thriving



LINKING PROGRAMS/PROJECTS TO OUTCOMES

Green/Duwamish Watershed Strategy

Geographically linking programs/projects to outcomes:



OBJECTIVES & OUTCOMES

Project Goal

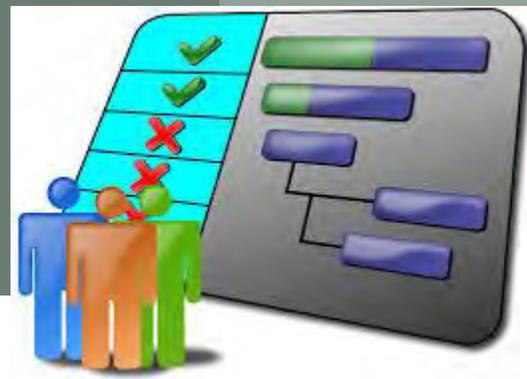
- Engage the Green Duwamish community in crafting a vision and strategy that will shape the future of the watershed for decades to come.



Project Objective

- Develop a Green/Duwamish Watershed Strategy that geographically links existing programs and projects with the desired outcomes for cleaner air and water, improved public health, equity and a better economy.

SCHEDULE



Phase I (Listening):

Dec 2014 – July 2015

- Background research, stakeholder outreach & listening sessions, convene Watershed Advisory Group

Phase II (Strategy Development):

Aug. 2015 – Mar. 2016

- Workshops, develop Strategy alternatives, draft watershed strategy

Phase III (Implementation):

Mar. 2016 – July 2016

- Draft action strategy, finalize Watershed Strategy, advance projects

Knitting Together Initiatives



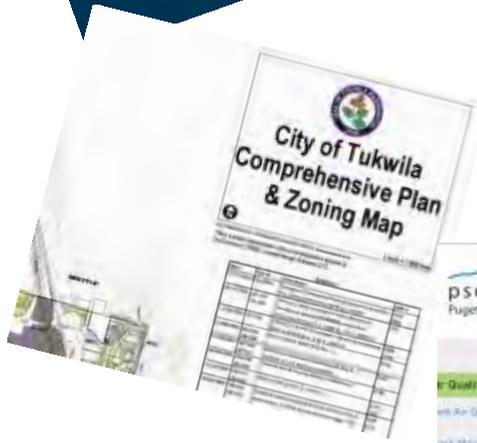
Towards Protecting Human Health & the Environment Green-Duwamish River Watershed

Pollutant Loading Assessment Modeling Tool

1. Identify pollution sources throughout the watershed
2. Develop source reduction targets and strategies (including for diffuse unregulated sources)

Lower Duwamish Waterway Cleanup

1. Control sources to begin in-water cleanup (includes discharges and contaminated sites)
2. Conduct in-waterway cleanup (includes early action sediment cleanup and long-term cleanup plan)



pscleanair.org
Puget Sound Clean Air Agency

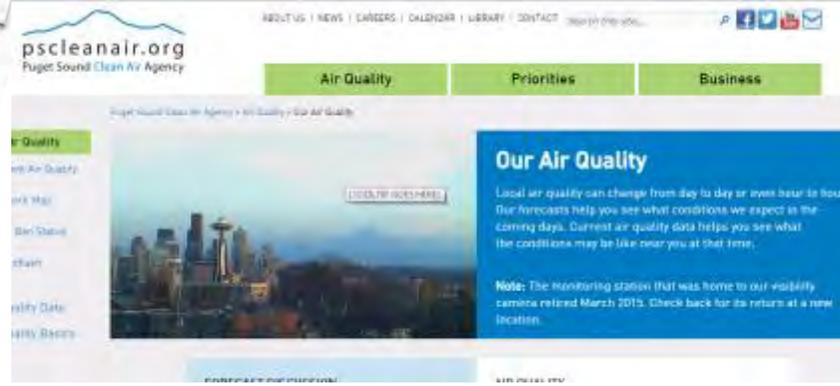
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Air Quality | **Priorities** | Business

Our Air Quality

Local air quality can change from day to day or even hour to hour. Our forecasts help you see what conditions we expect in the coming days. Current air quality data helps you see what the conditions may be like near you at that time.

Note: The monitoring station that was home to our visibility camera retired March 2015. Check back for its return at a new location.



Watershed Strategy Development



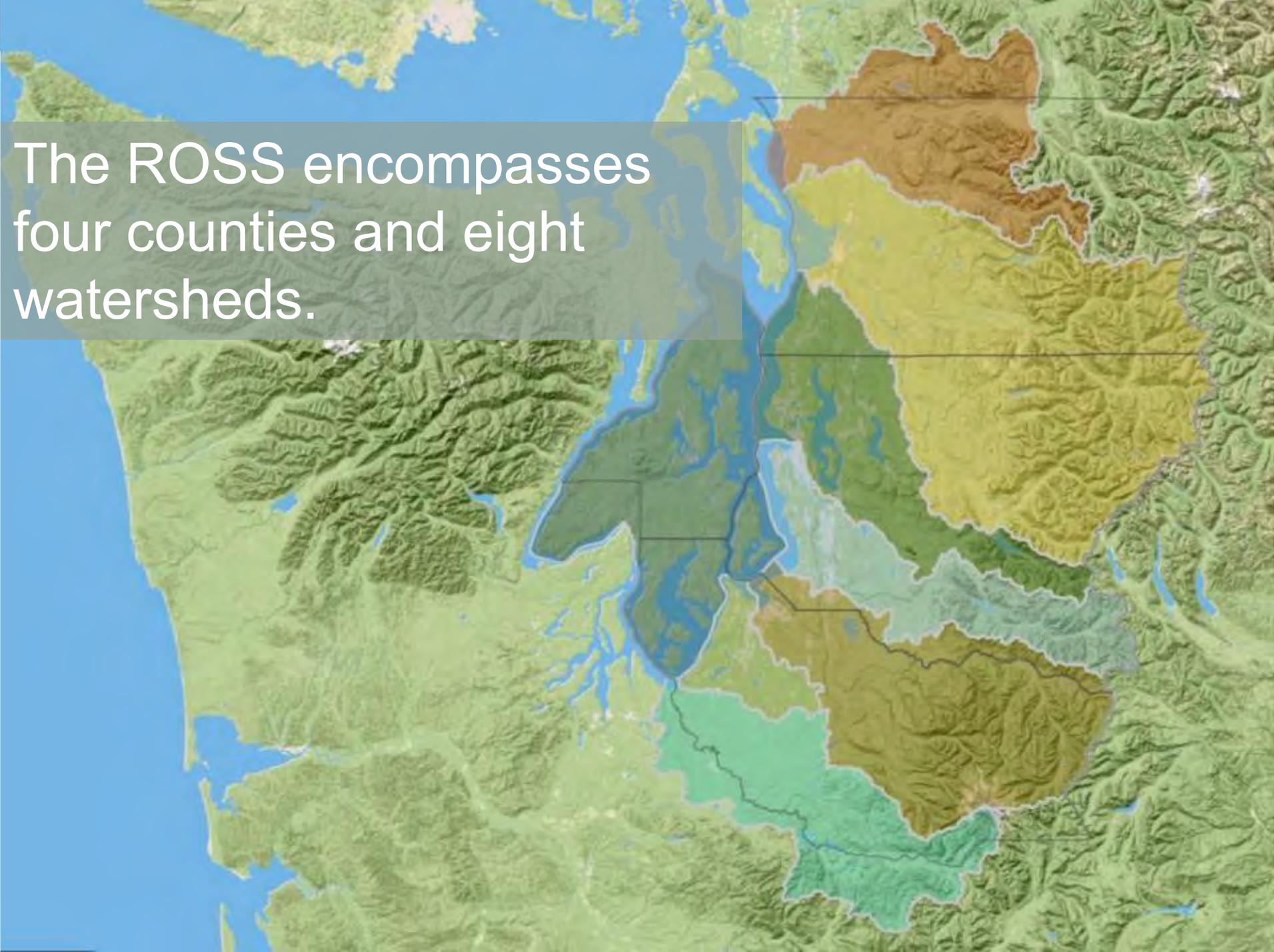


ROSS

REGIONAL OPEN
SPACE STRATEGY

OpenSpacePugetSound.org

The ROSS encompasses four counties and eight watersheds.



INTERCONNECTED SYSTEM

Open Space is more than just parkland and forests. It's the systems that support life as we know it in the Puget Sound region.



AIR



WATER



WORK



PLAY



ENERGY



MATERIALS



CULTURAL



AESTHETIC



FOOD



SHELTER



HEALTH



TRANSPORT



WASTE



DISASTER
MITIGATION



EDUCATION



COMMUNITY

THE BIGGEST CHALLENGES OF OUR DAY

The ROSS is working to identify priorities and solutions for five key challenges facing the Puget Sound region where open space plays a critical role.

CLIMATE CHANGE



BIODIVERSITY



SOCIAL EQUITY



HUMAN HEALTH



ECONOMIC DEVELOPMENT



A COLLECTIVE VISION



Let's work together...



... for a cleaner, healthier Green Duwamish

OpenSpacePugetSound.org
kingcounty.gov/greenduwamish

Green River Basin: flood hazard management



Upper Green River Basin



Howard Hanson Dam – earth fill structure 235 feet tall

Middle Green River Basin



Discontinuous levees, frequent flooding, significant agricultural land use

Lower Green River Basin



Near-continuous levee system, flooding contained, extensive urbanized land uses

Green Duwamish River Flood Facility Overview (Levees and Revetments)

Location	Levees (#/miles)	Revetments (#/miles)	Total Miles
Duwamish (RM 5.5-11)	3 (0.6 miles)	22 (3.3 miles)	3.9
Lower Green (RM 11-32)	41 (17.7 miles)	45 (9.8 miles)	27.5
Middle Green (RM 32-44)	12 (1.9 miles)	13 (2.9 miles)	4.8
Total	56 (20.2 miles)	80 (16.0 miles)	36.2 miles

