

# National Network on Water Quality Trading & Tools for Nutrient Trading



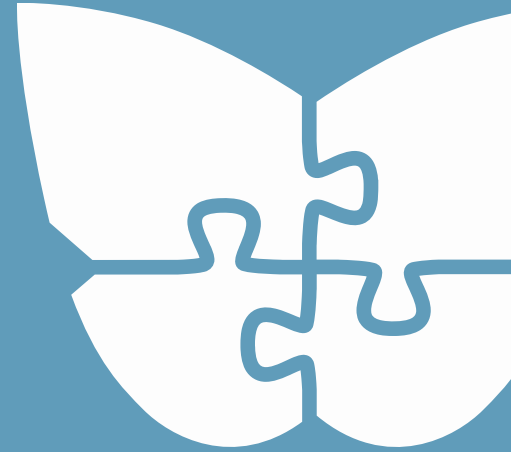
Bobby Cochran  
Willamette Partnership



# Today's Talking Points

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- Why Willamette Partnership cares about trading?
- What is the National Network?
- Publication - *Building a Water Quality Trading Program: Options & Considerations*
- ACWA WQT toolkit (templates and pilots)
- Other tools (quantification & tracking)



LAYING THE GROUNDWORK FOR MORE  
EFFECTIVE CONSERVATION.

# National Network on Water Quality Trading



## Technical advisor



## Coordinators



WILLAMETTE PARTNERSHIP



WORLD  
RESOURCES  
INSTITUTE

*Network Purpose: Establish a national dialogue on how water quality trading can best contribute to clean water goals. That includes providing options and recommendations to improve consistency, innovation, and integrity in water quality trading.*

Funding support provided by USDA and Electric Power Research Institute

# *Building a Water Quality Trading Program:*

## What's Inside: Options for each Element

1. Policy & regulatory instruments to support trading;
2. Trading Basics: Who, Where, What, & How
3. Eligibility
4. Quantifying water quality benefits
5. Managing risk and uncertainty
6. Credit characteristics
7. Project implementation & quality assurance
8. Project review, certification, and tracking
9. Compliance and enforcement
10. Adaptive management
11. Roles, responsibilities, transaction models, and stakeholder engagement





# Trading Toolkit - What's Inside



- Templates for:
  - Rule
  - Guidance
  - Watershed Framework
  - NPDES Permit
  - Annual Report



# Market Operations Tools

- Technology for:
  - Quantifying nutrient runoff from farms
  - Sediment reductions from restoration
  - Tracking credits and debits
- Guidelines for:
  - Verification
  - Evaluation
  - Conservation districts
  - Stormwater offsets

# Technical Assistance Program

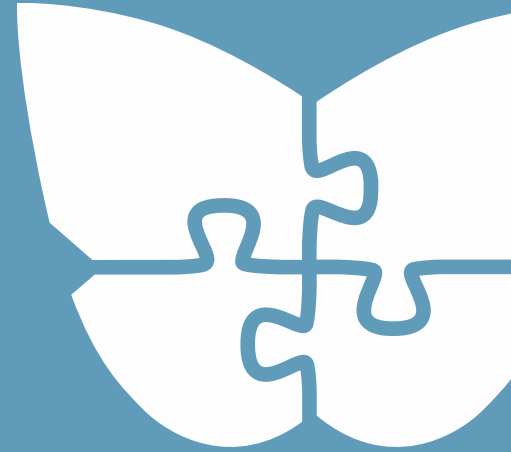
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ACWA, OEM, WP, & other trading experts on topics like:

- Process design and facilitation
- Adapting templates
- Support on “gnarly” policy development (e.g., baseline, ratios)
- Develop guidance, rule, state-specific permit templates







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# The Tualatin moves to action

Cooling Towers

\$60 - \$150  
million

35 miles of restoration  
Additional instream flow

\$6 million

**FROM THIS.**



**...TO THIS**

Source: The Freshwater Trust



# No trees, 2004





# Trees planted, 2007



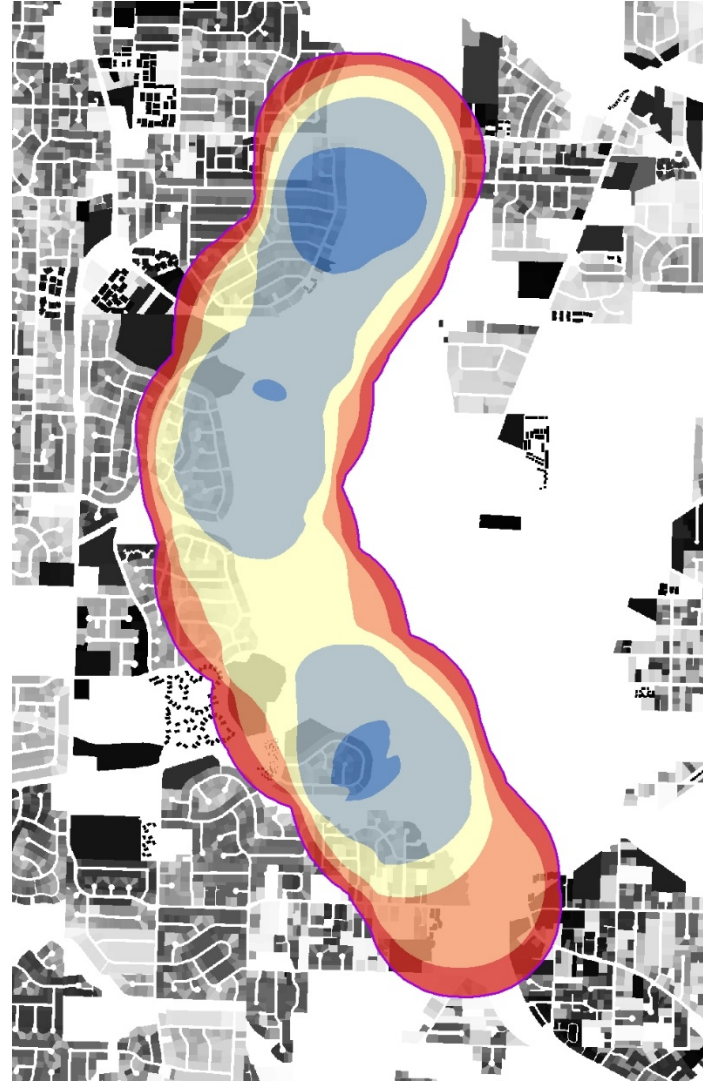


# Cleaner air and Water, 2010





**NO<sub>2</sub>ppb reduction data  
overlaying Dasymetric  
Population Map**



Total Population within  
Area of Interest:

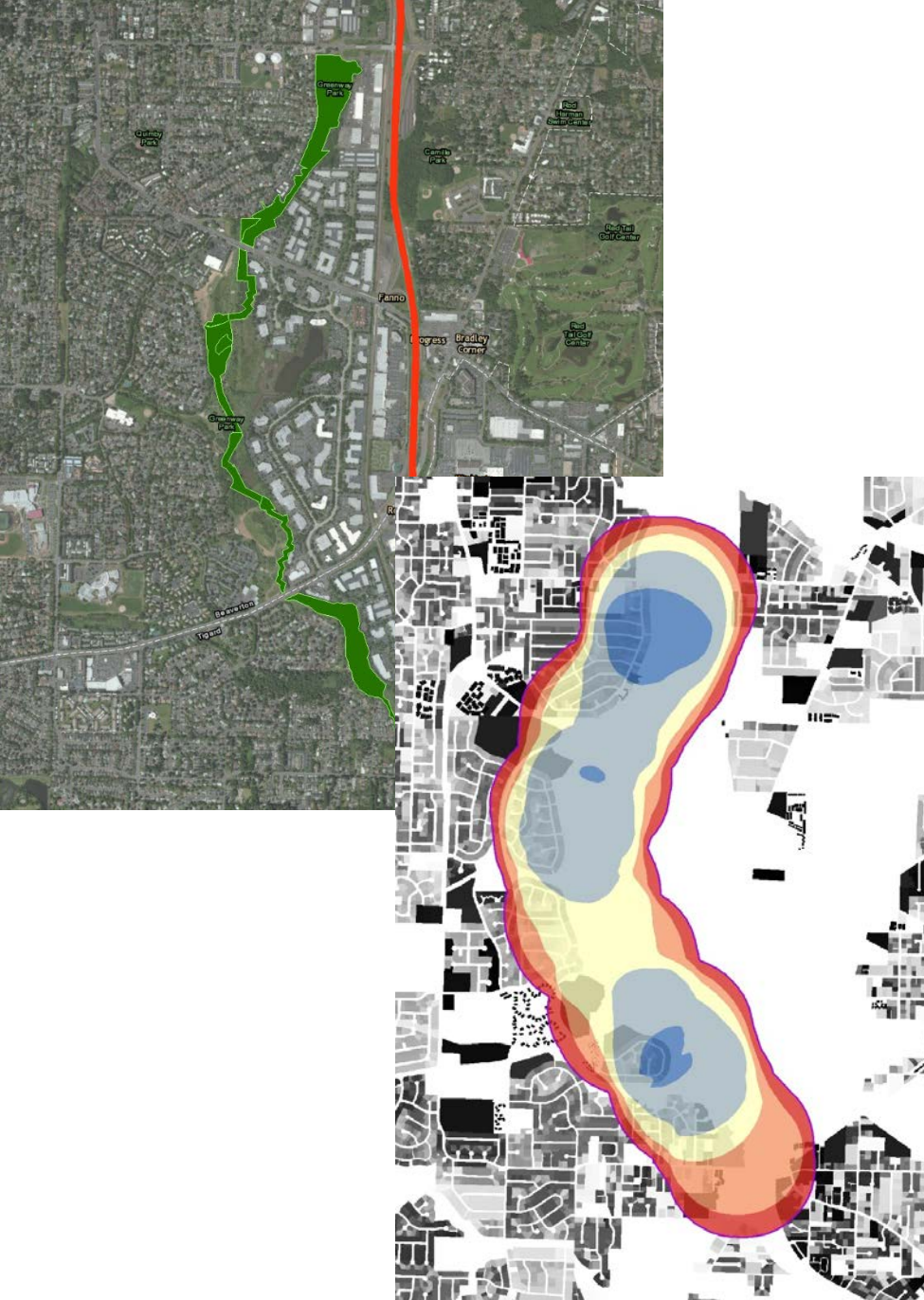
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# Why we need more answers

Prioritizing green infrastructure

Healthy zipcodes

Health in all policies



# Questions?



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