

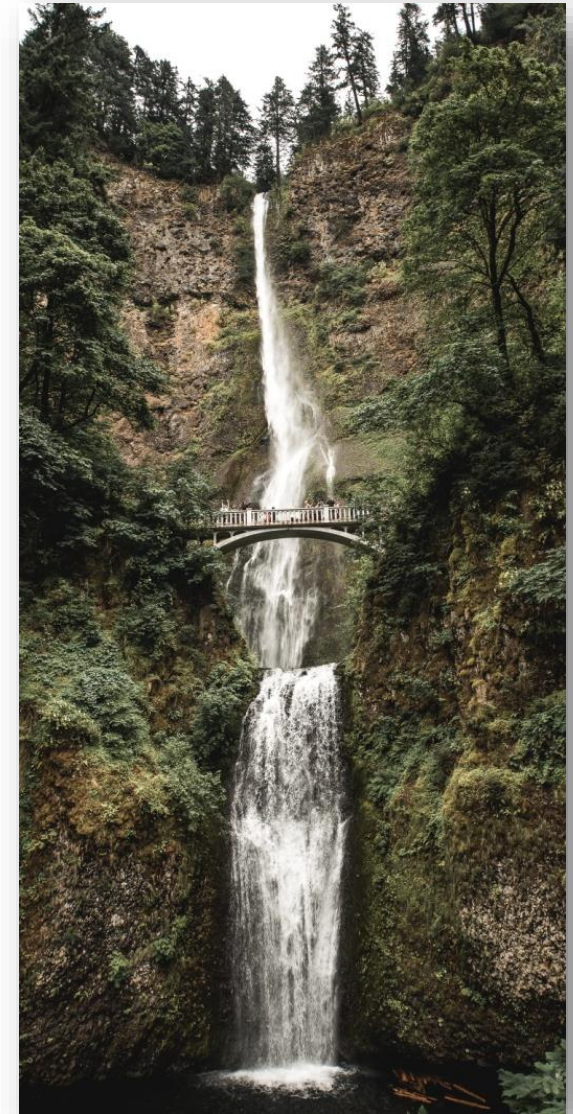
Protecting Oregon's Water Quality

House Energy and Environment Committee






30 April 2019
DEQ Water Quality Division

Today's briefing

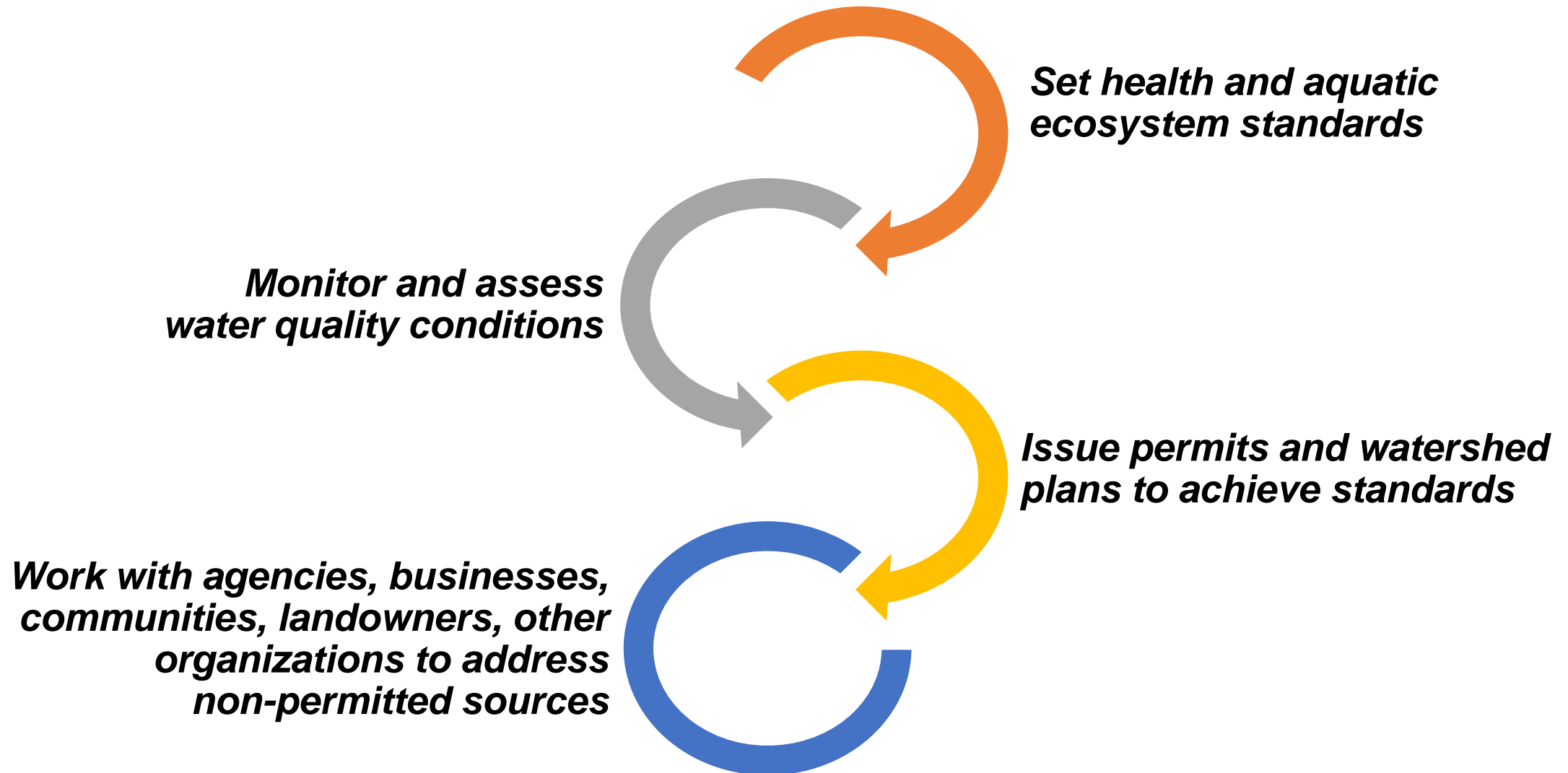
- DEQ WQ Programs Overview
- Clean Water Act Framework
 - Establishing WQ Standards
 - Monitoring and Assessment
 - Clean Water Plans (TMDLs)
- Partnerships



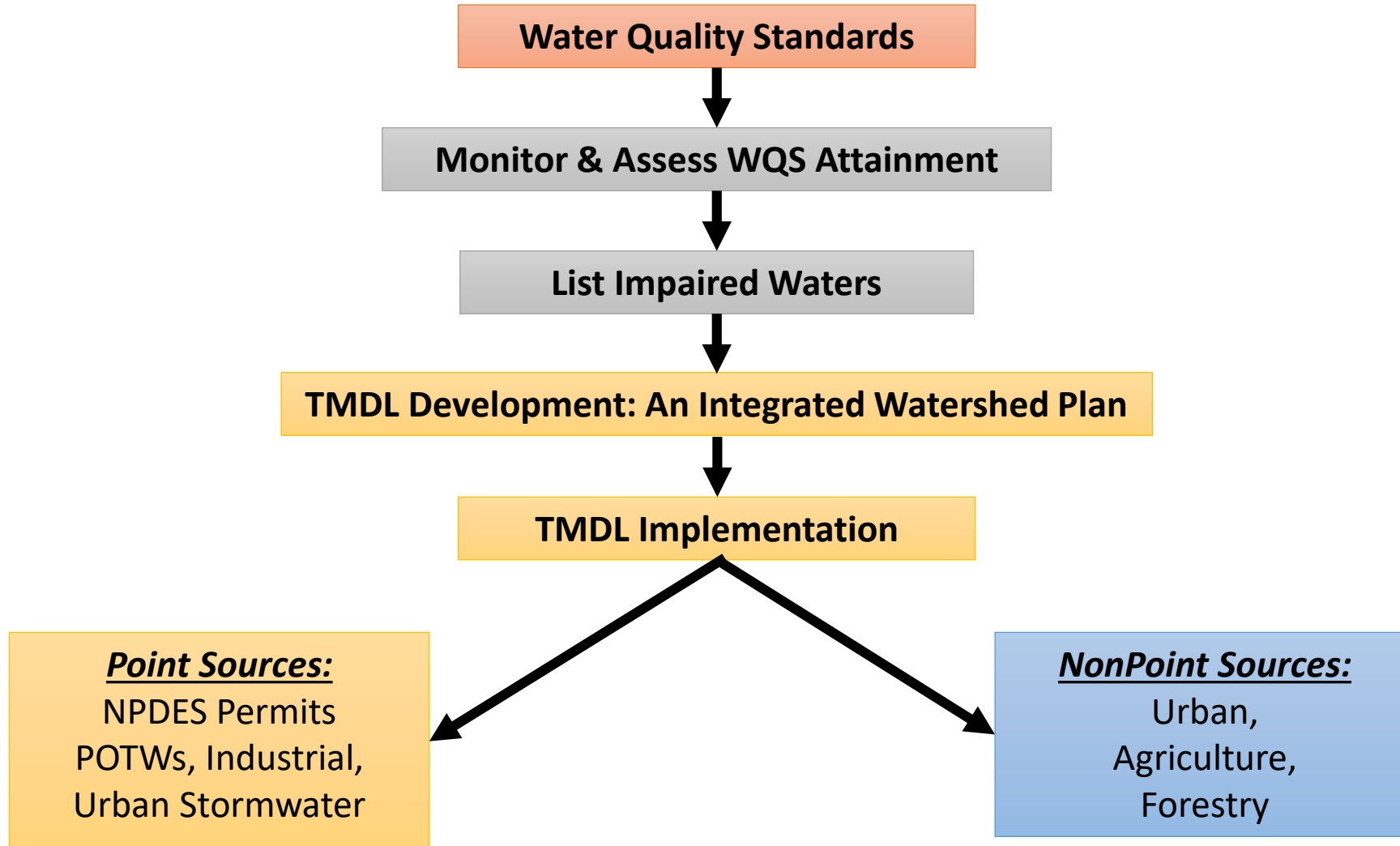
Roles and Responsibilities

<p>Department of Environmental Quality</p> 	<p>Department of Agriculture</p> 	<p>Department of Forestry</p> 	<p>Watershed Enhancement Board</p> 	<p>Local Governments</p> 
<ul style="list-style-type: none"> • Implement federal Clean Water Act and state WQ laws (Standards; monitoring; permitting; TMDLs) • Provide technical and scientific analysis support for identifying WQ status and improvement opportunities • Monitoring, evaluation, compliance and enforcement 	<ul style="list-style-type: none"> • Implementation of Agriculture WQ program • Develop Area Plan Biennial reviews with Local Advisory Committees • Monitoring, evaluation, compliance and enforcement 	<ul style="list-style-type: none"> • Implementation of Forest Protection Act • Adopt best management practices to maintain water quality standards on state and private forestlands • Monitoring, evaluation, compliance and enforcement 	<ul style="list-style-type: none"> • Invest in priorities identified by natural resource plans and assessments • Convene interagency monitoring efforts and invest in monitoring • Fund projects and initiatives that support “uplift” 	<ul style="list-style-type: none"> • Stewardship of water resources through local programs, partnerships and community regulations • Funding of local water quality protection and watershed restoration projects and operations • Implementation of Federal and State water quality programs through permits, water quality management plans, etc.

Clean Water Act Framework



Clean Water Act Framework



DEQ Water Quality

Relationship with EPA



Oversight

- NPDES permits
- WQ Standards
- Impaired Waters lists
- TMDLs / NPS program

Funding

- 106 Program Grant
- 319 Nonpoint Source Grant
- Clean Water State Revolving Loan Fund capitalization
- Contractor resources

Support

- Technical Assistance
- ESA consultation
- Legal input/
Co-defendants
- Compliance and enforcement collaboration

Permitting, Certifications and Licensing

Permitting of point source facilities statewide

- Implement Federal NPDES and State WPCF Permit Programs
- Municipal and Industrial
- Stormwater runoff from cities, construction and industrial sites

401 Water Quality Certification

- Review and certify that activities authorized by federal activities meet Oregon water quality standards
 - Hydroelectric or Energy Projects
 - USACE Dredge/Fill activities

Onsite Septic Systems (Residential and Commercial)

- Implement the residential onsite septic program in 10 counties
- Issue individual permits statewide for large onsite septic systems
- License onsite septic system installers and pumpers

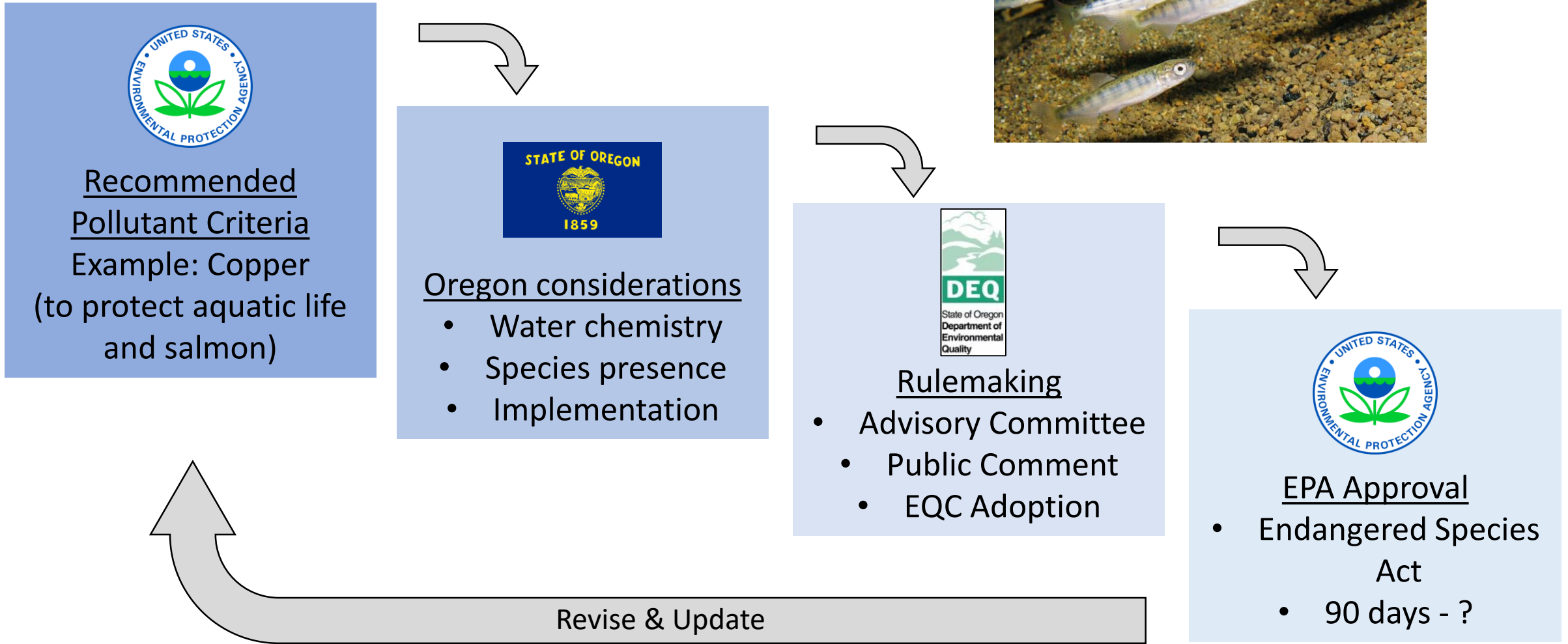


Standards

Establish standards to protect beneficial uses of surface waters; identify implementation pathways

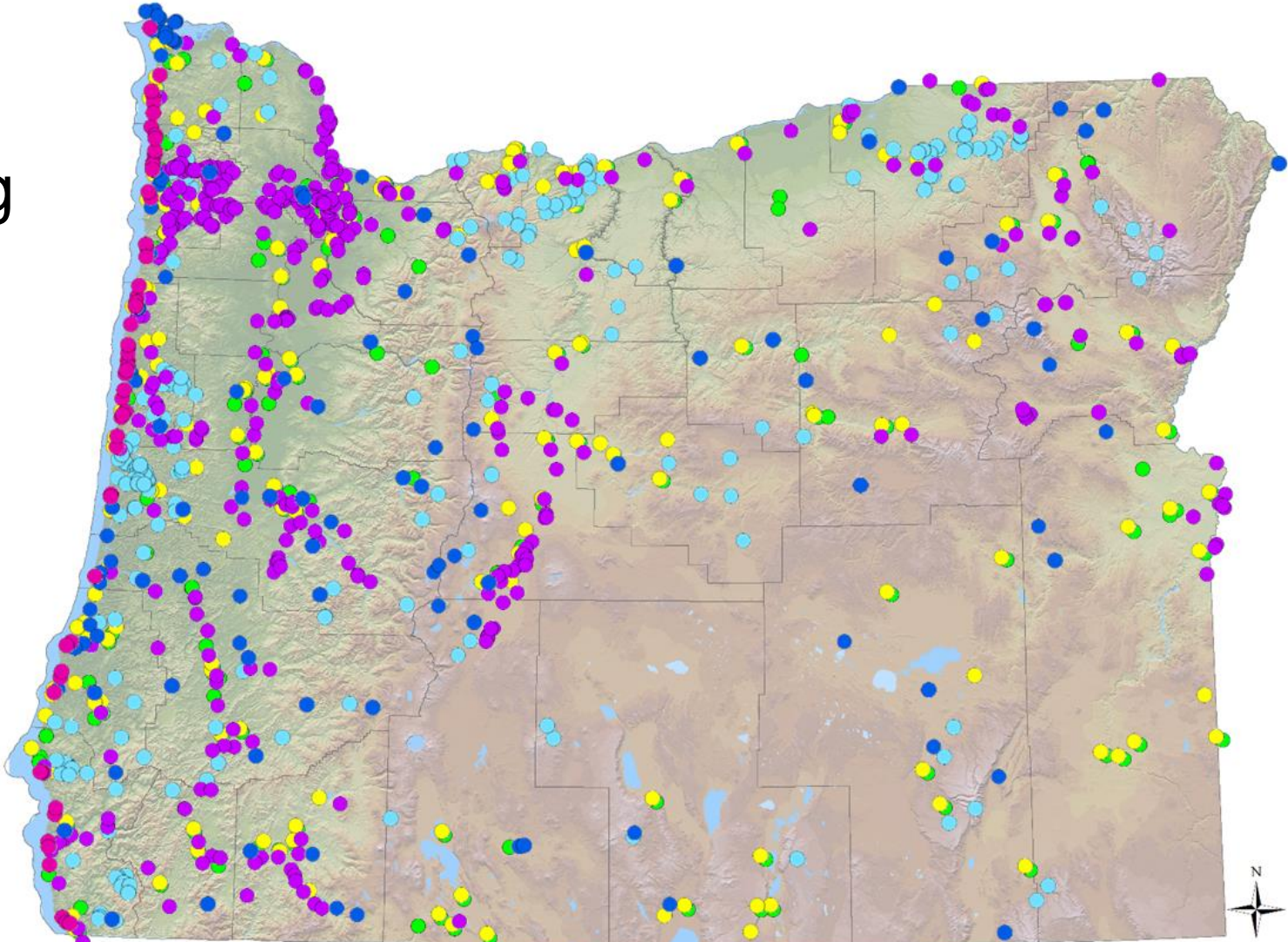


Standards



Monitoring:

Collecting and Analyzing water samples to support WQ programs, human health and the environment

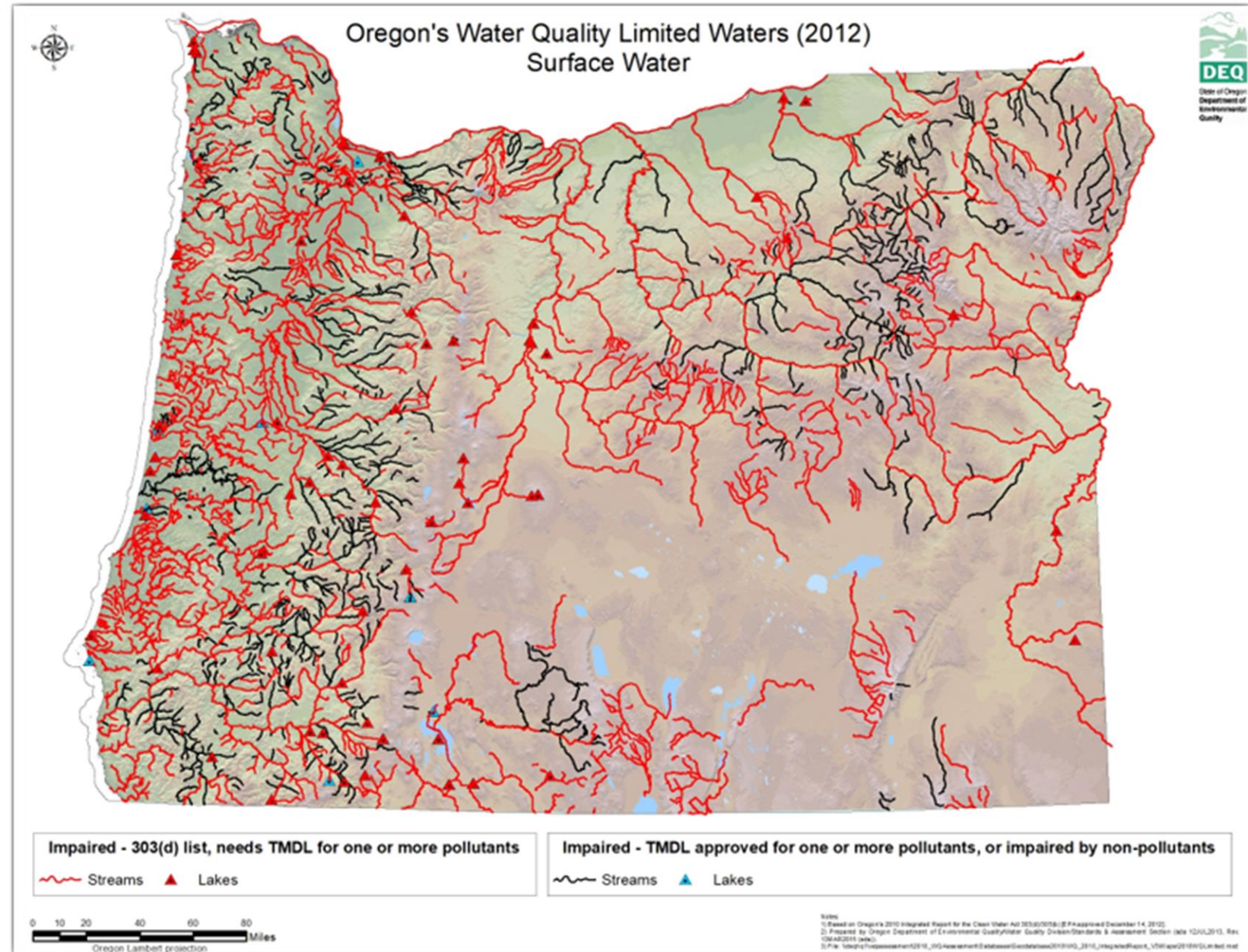


- Biological Monitoring
- Toxics Monitoring Program
- Ambient Water Quality Monitoring Network
- Total Maximum Daily Load (TMDL) Monitoring
- National Aquatic Resource Surveys (NARS)
- Beach Monitoring

Created by: Lesley Merrick ODEQ 1/12/17

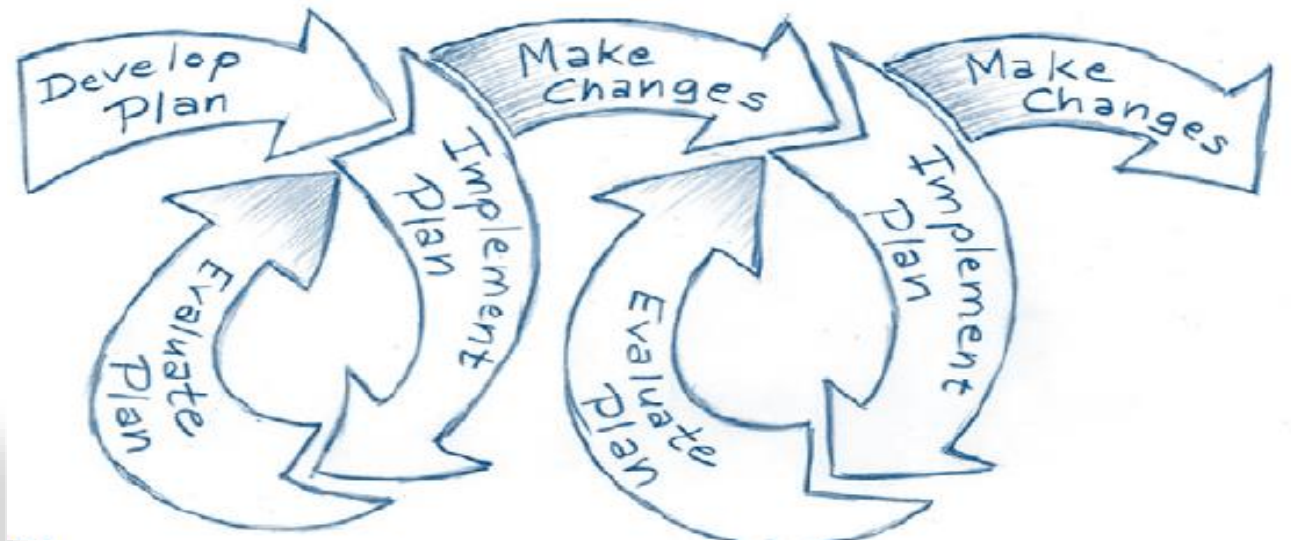
Assessment

- Report on overall condition of Oregon's waters
- Identify water quality impaired/limited waters



Clean Water Plans

Develop TMDLs, water quality management plans and strategies to achieve water quality standards through regulatory and non-regulatory means, including partnerships with ODA and ODF



Clean Water Plans

Federal Clean Water Act Requirements:

- Prepare TMDLs to attain water quality standards
- Include allocations to point sources and nonpoint sources, margin of safety, and reserve capacity
- Address critical conditions for stream flow, pollutants, loading and seasonal variability
- Implementation plan that provides “Reasonable Assurance” that the TMDL will be implemented and ultimately meet WQ standards
- EPA must review and approve

Clean Water Plans: Development Process

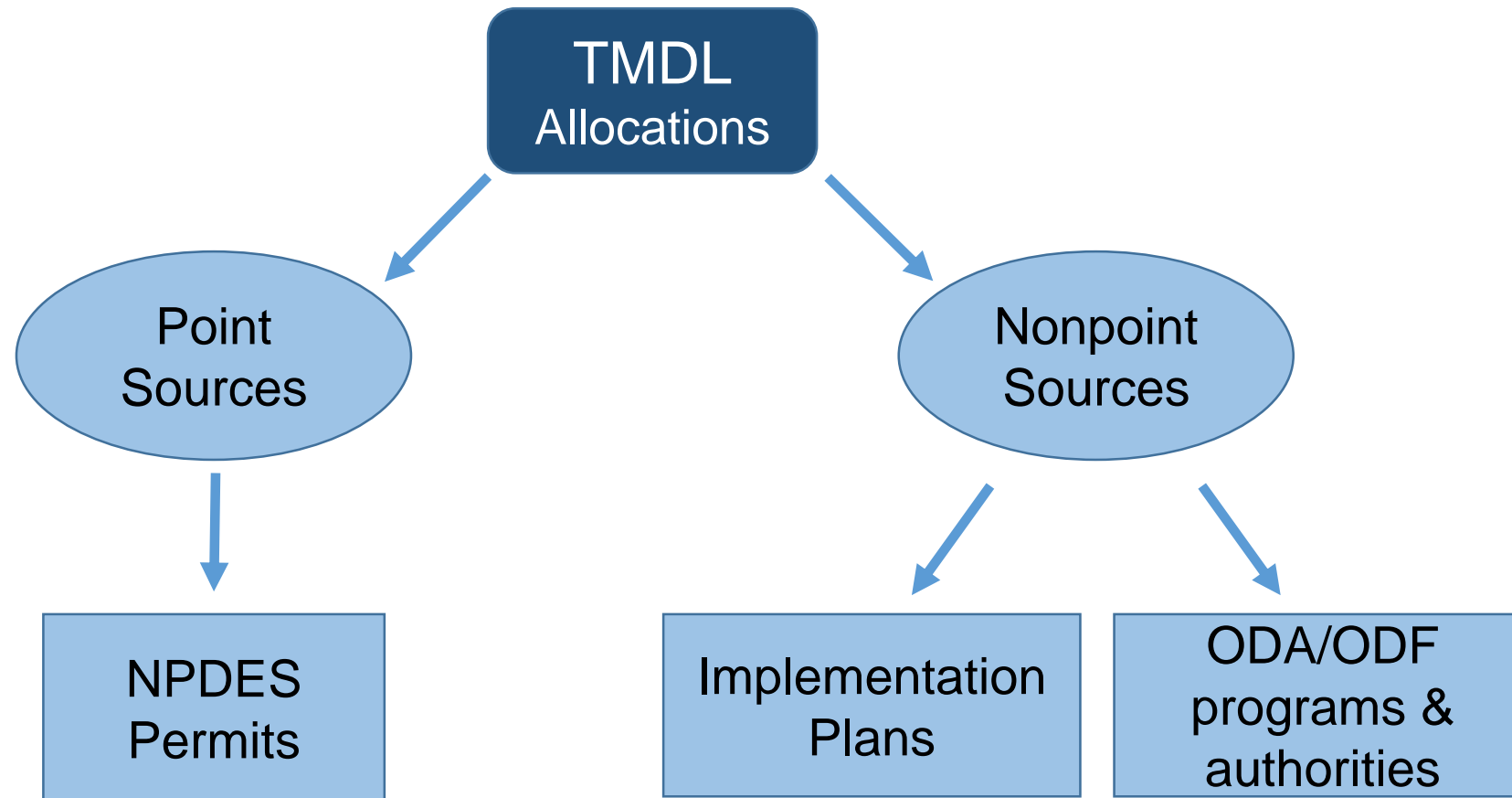
1. Identify water quality concerns
2. Determine overall pollutant reductions required to meet standards
3. Identify pollution sources and conditions contributing to water quality concerns (point sources; nonpoint sources; background sources)
4. Link sources and conditions to waterbody
5. Allocate pollutant load reductions that will result in water quality standard attainment

Water Quality Management Plan: TMDL Implementation Framework

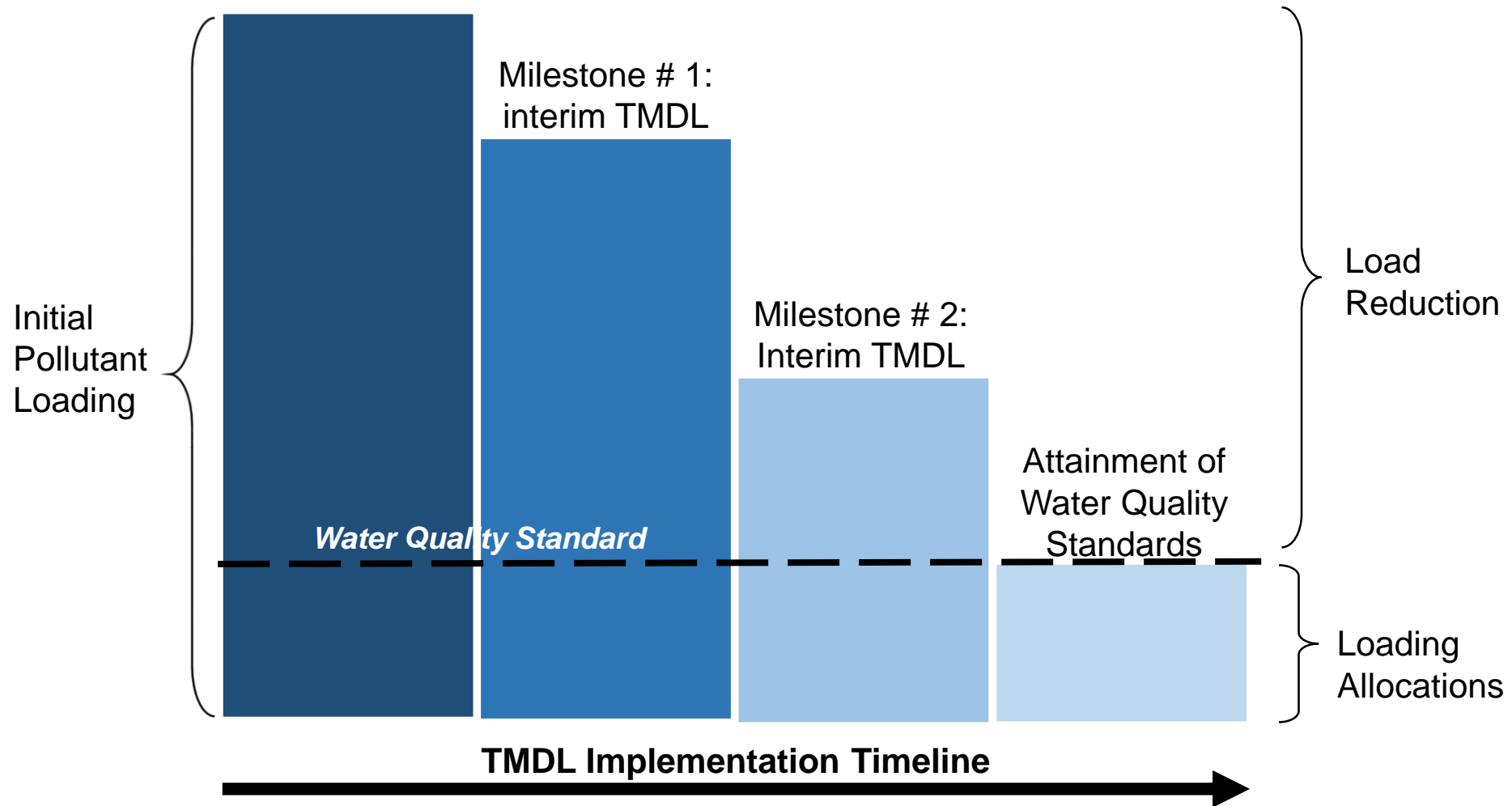
DEQ's Water Quality Management Plan:

- Identifies entities responsible for TMDL implementation;
- Identifies and quantifies expected results for various management strategies to achieve allocations
- Includes implementation timelines:
 - measurable milestones,
 - interim water quality targets,
 - schedule for water quality standards attainment
- Includes a performance monitoring plan

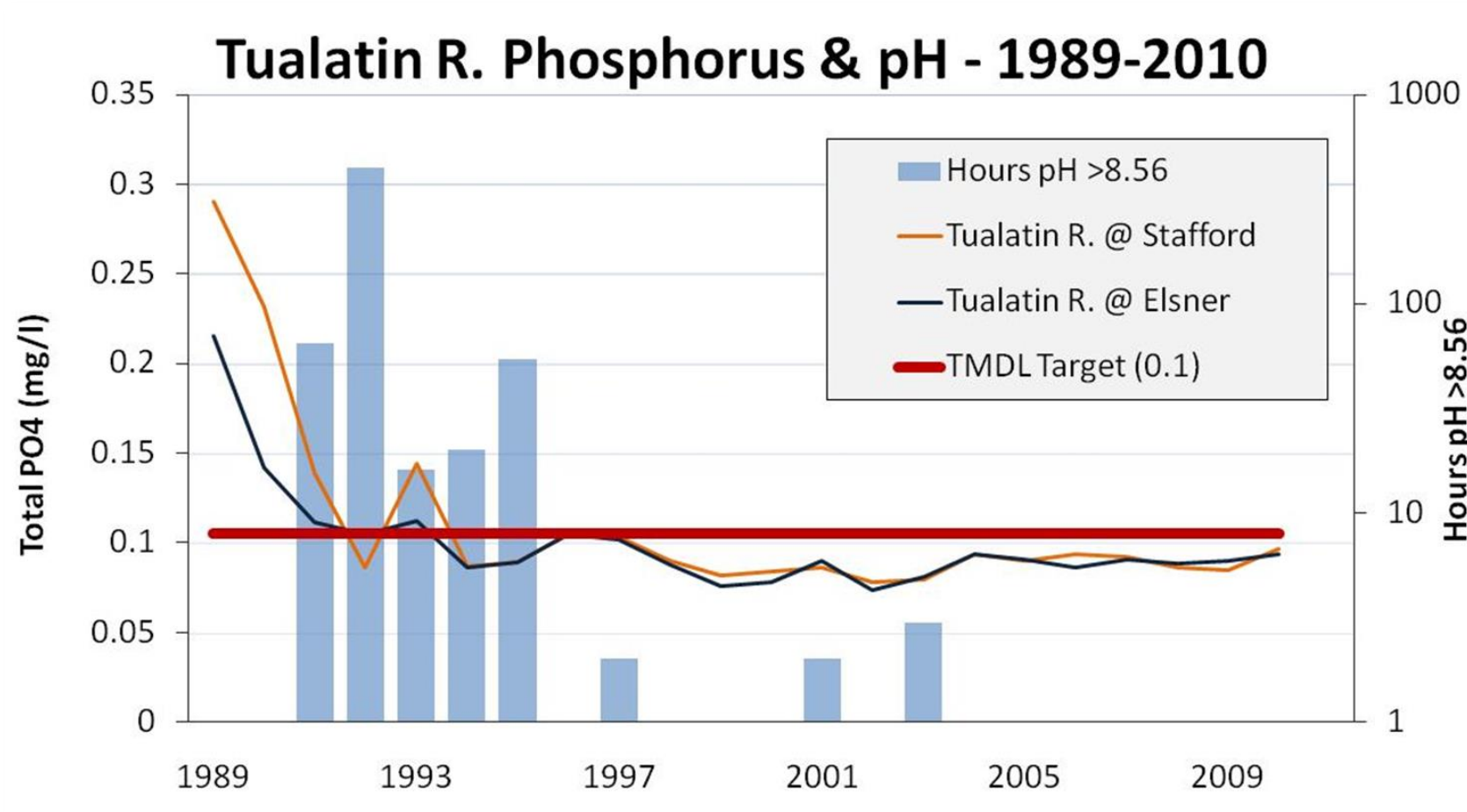
Clean Water Plans: Implementation Framework



Clean Water Plans: Adaptive Management and WQ Improvement

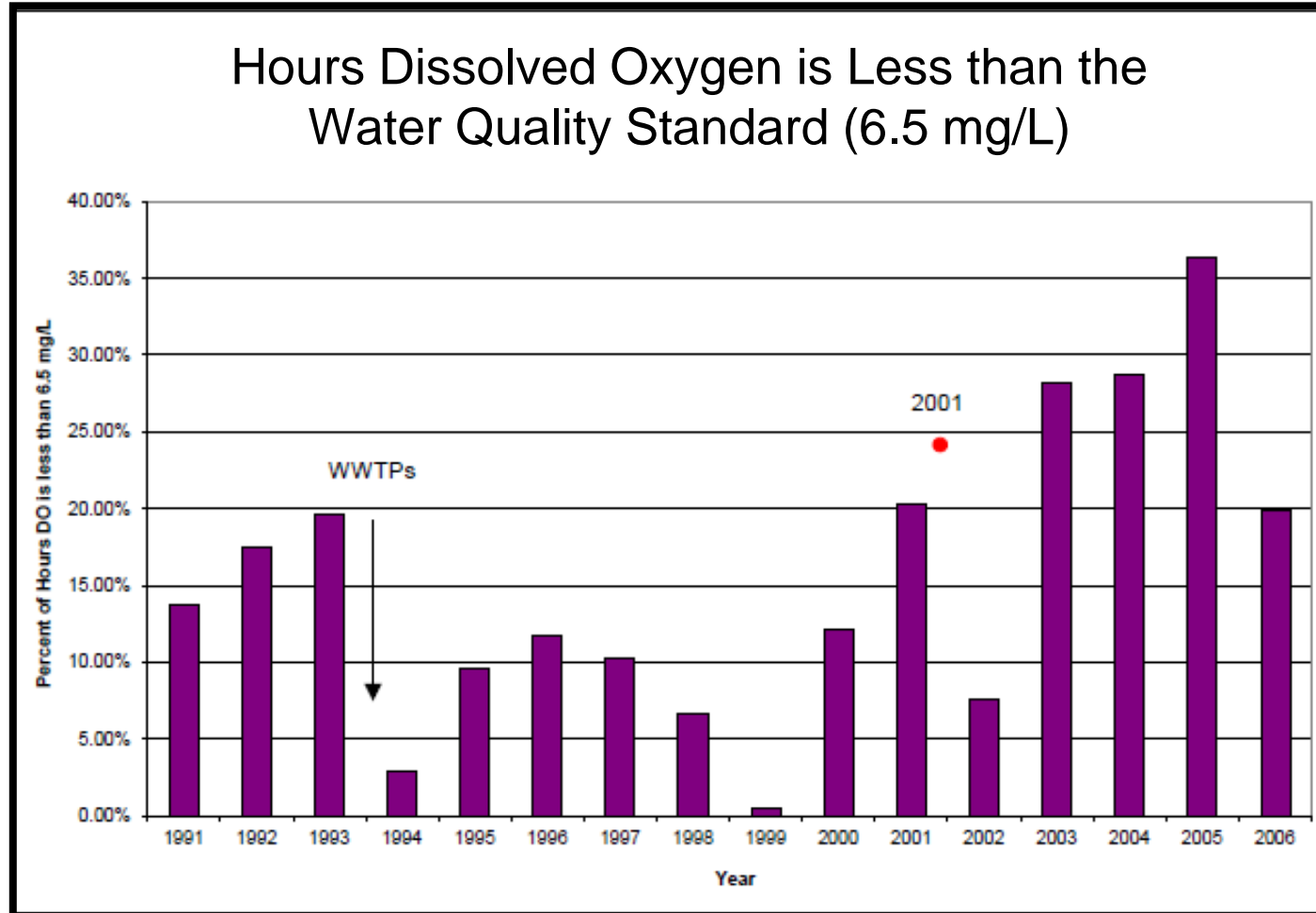


Clean Water Plans: A pathway towards meeting standards

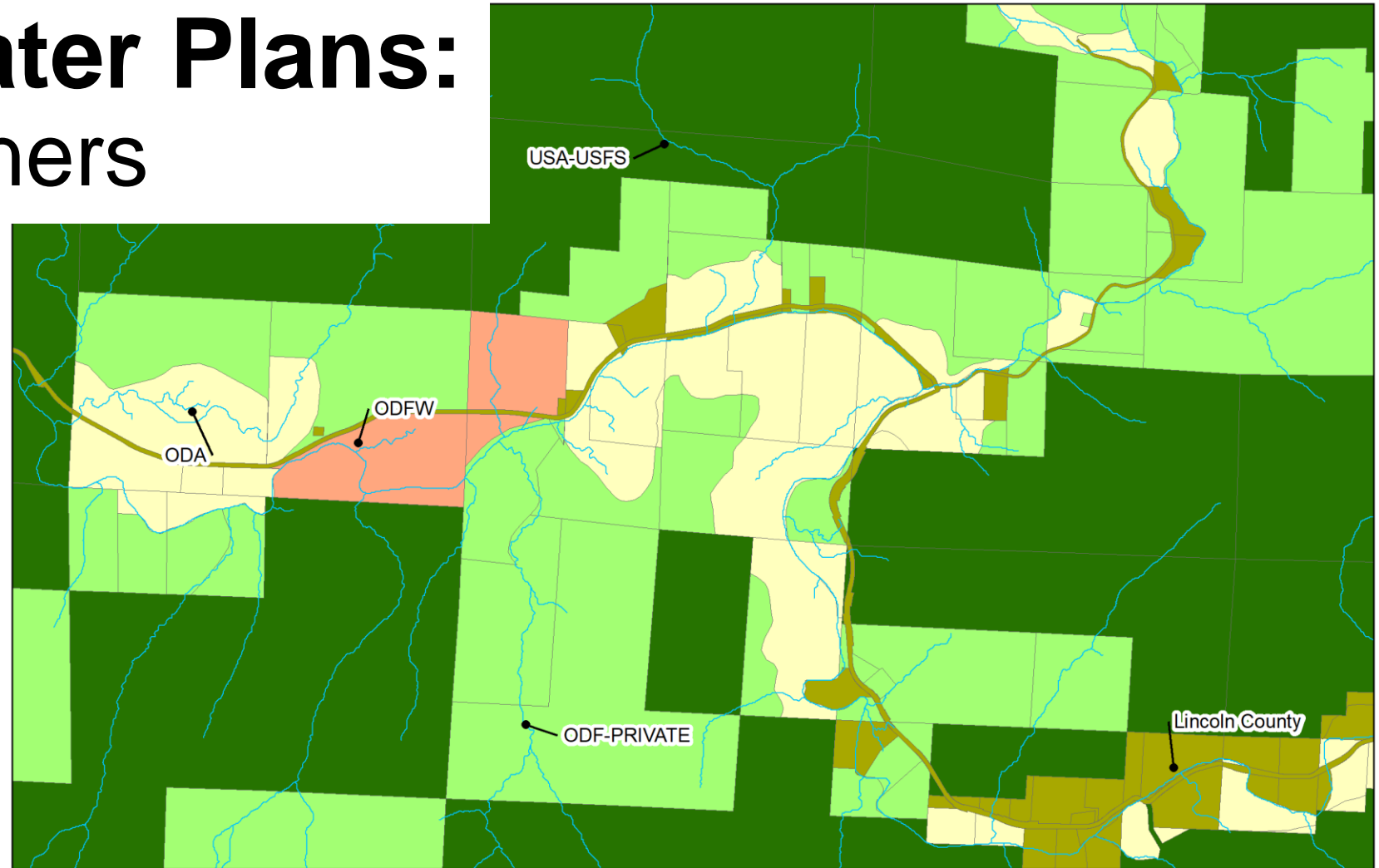


Clean Water Plans:

A pathway towards meeting standards



Clean Water Plans: Many partners



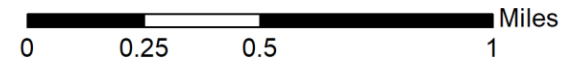
Legend

Streams

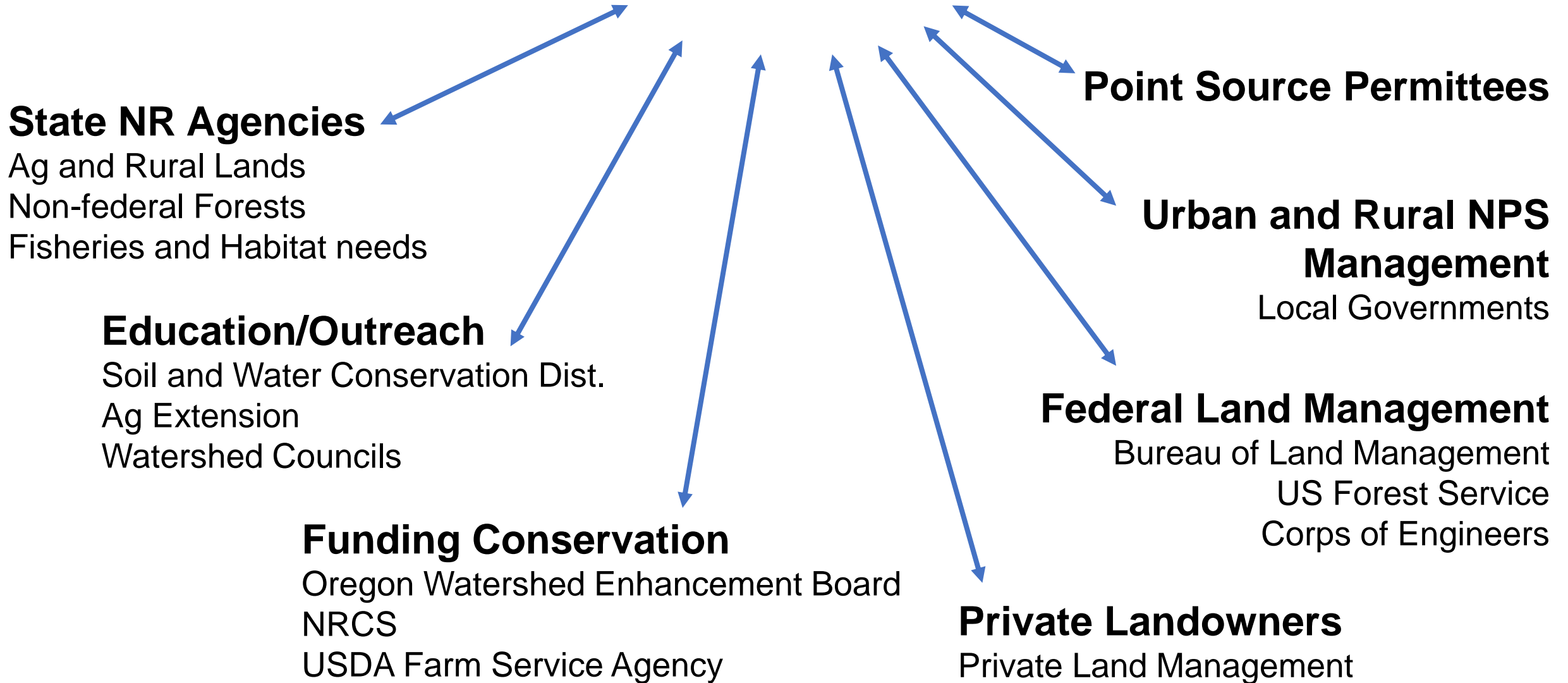
Designated Management Agencies

- City of Yachats
- Lincoln County
- ODA
- ODF-PRIVATE

- ODFW
- ODOT
- OPRD
- OR-DSL
- USA-USFS



Around the Watershed



Questions?

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