



Puget Sound Nutrient General Permit

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February 10, 2022

Today's topics

- 1 Nutrient pollution in Puget Sound
- 2 Puget Sound Nutrient General Permit
- 3 Financial Assistance Opportunities
- 4 Status of Tacoma's Individual Permits
- 4 Q&A

The nutrient problem in Puget Sound

Unhealthy Puget Sound

Low dissolved oxygen

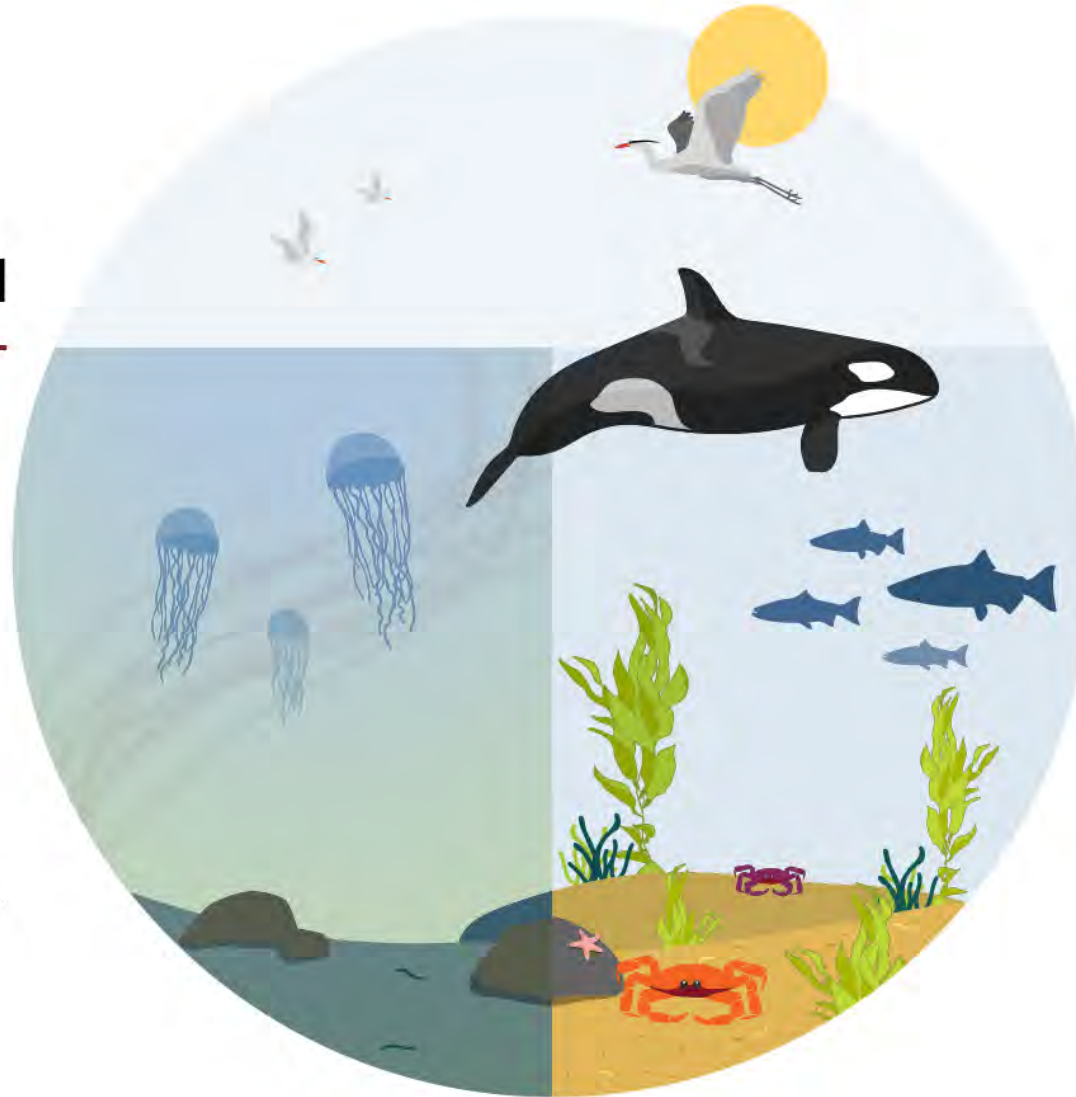
Acidified water

Low biodiversity

Non-nutritious food web

Nuisance algae

Less healthy food for salmon and orcas



Healthy Puget Sound

Natural dissolved oxygen levels

High Biodiversity

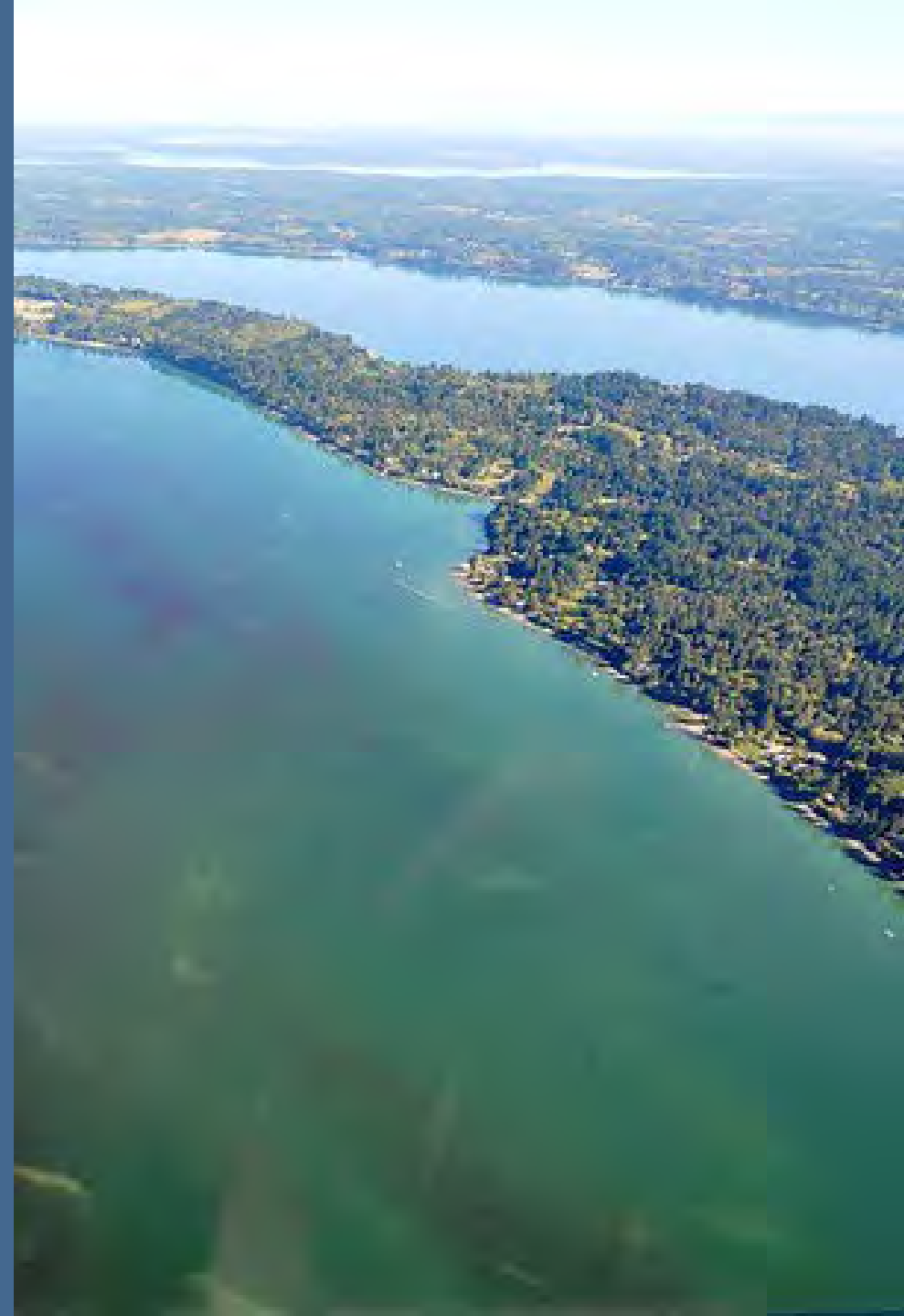
Nutrient balance

Nutritious food web

Healthy nearshore habitats

Thriving fisheries

Puget Sound Nutrient General Permit



Puget Sound Nutrient General Permit: Requirements for the first five years



Optimize current treatment processes to enhance nutrient reductions

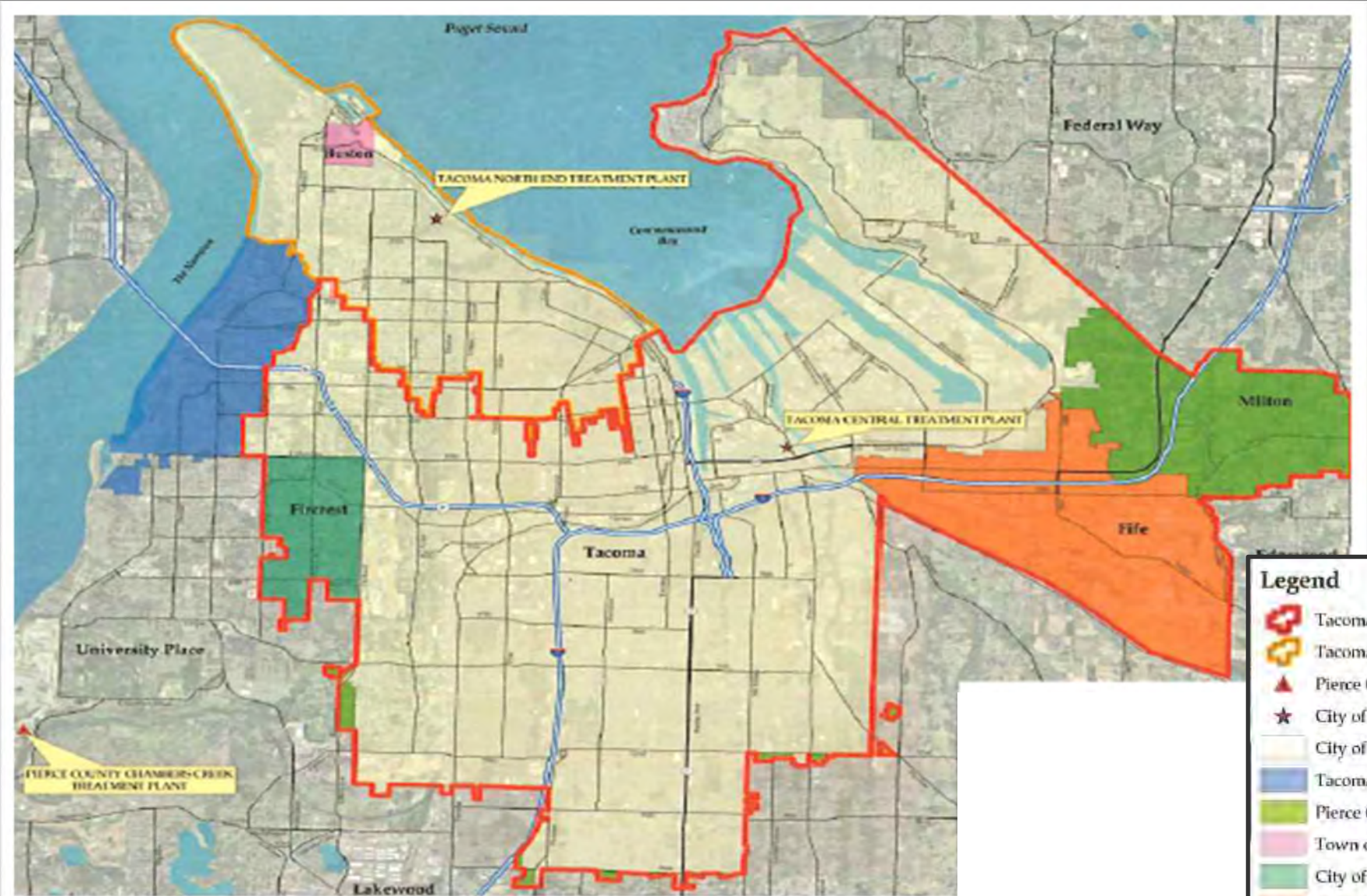


Monitor raw wastewater and the plant's discharge to evaluate nutrient reductions and optimization progress













Planning begins or continues for future plant upgrades to control nutrients

Tacoma's WWTPs



Legend

0 0.25 0.5 1 1.5 Miles

 Tacoma Central Treatment Plant Service Area
 Tacoma North End Treatment Plant Service Area
 Pierce County Wastewater Treatment Plant
 City of Tacoma Wastewater Treatment Plant
 City of Tacoma Collection System
 Tacoma Collection System Treated at Chambers Creek Treatment Plant
 Pierce County Collection System Treated at Central Treatment Plant
 Town of Ruston Collection System Treated at North End Treatment Plant
 City of Fircrest Collection System Treated at Central Treatment Plant
 City of Fife Collection System Treated at Central Treatment Plant

Permit Status

Issued: Dec. 1, 2021

Effective: Jan. 1, 2022

Coverages to Date

- 58 plants need coverage
 - 26 coverages as of 2/4/22
 - 15 pending
- Application submitted for both Tacoma plants

Appeals

- 10 appeals to the permit
- Parties have agreed to stay a few provisions of the permit
- Stayed provisions will be decided by the PCHB
- Permit implementation will continue in the meantime

Nutrient Reduction Evaluation

- Due Dec. 31, 2025 (end of permit year 4)
- Alternatives analysis for two effluent conditions
- Includes rate assessment and EJ analysis

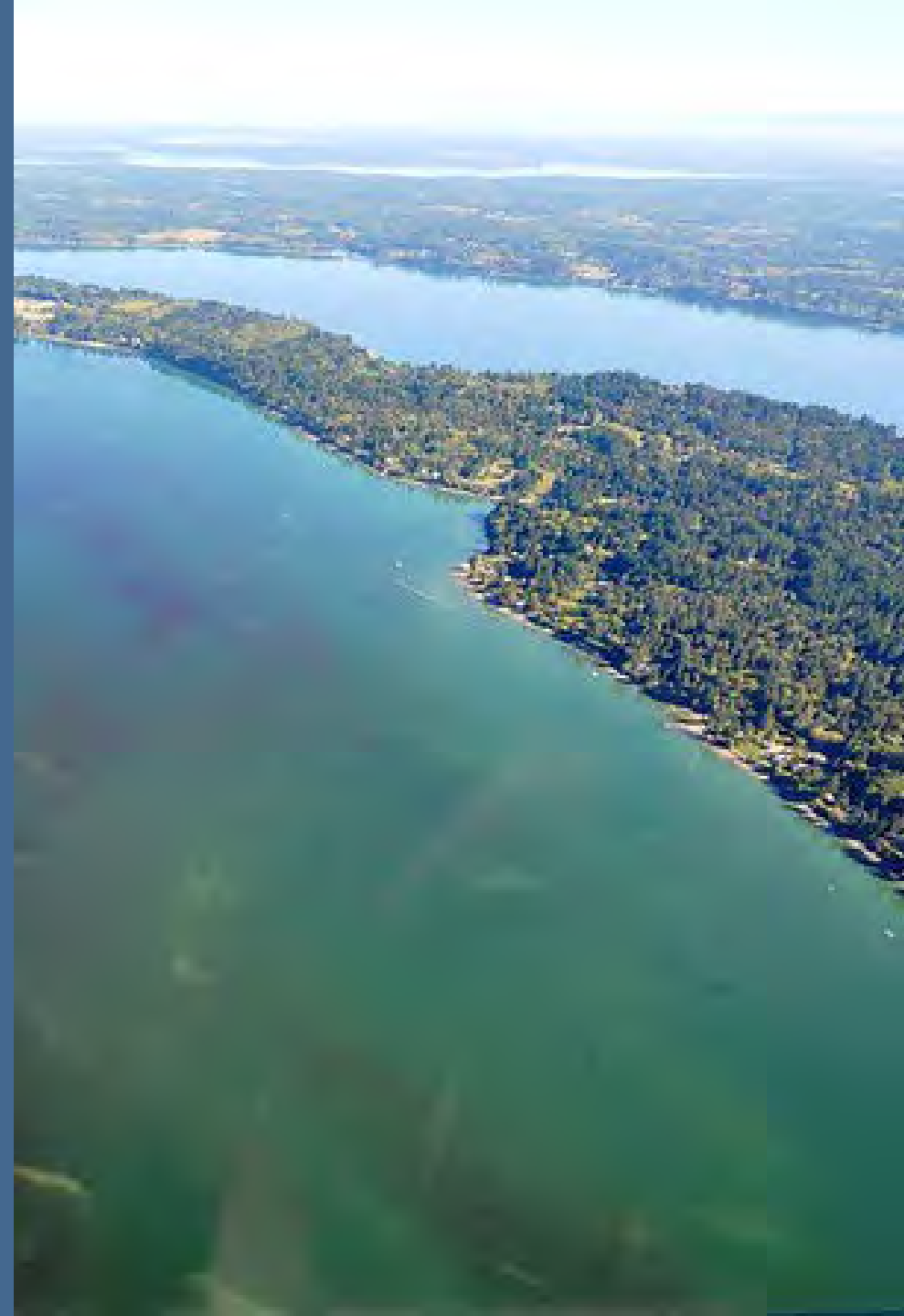
PLANNING



Planning in Tacoma



Funding Opportunities



Water Quality Combined Funding Program

Annual wastewater funding levels:

- \$18M– State Centennial Clean Water Program
- \$220M– Combined State and Federal Revolving Fund

New Federal Funding

- \$193M – New “stimulus” funds for 2022-2026
- \$271M – Reauthorization of CWSRF

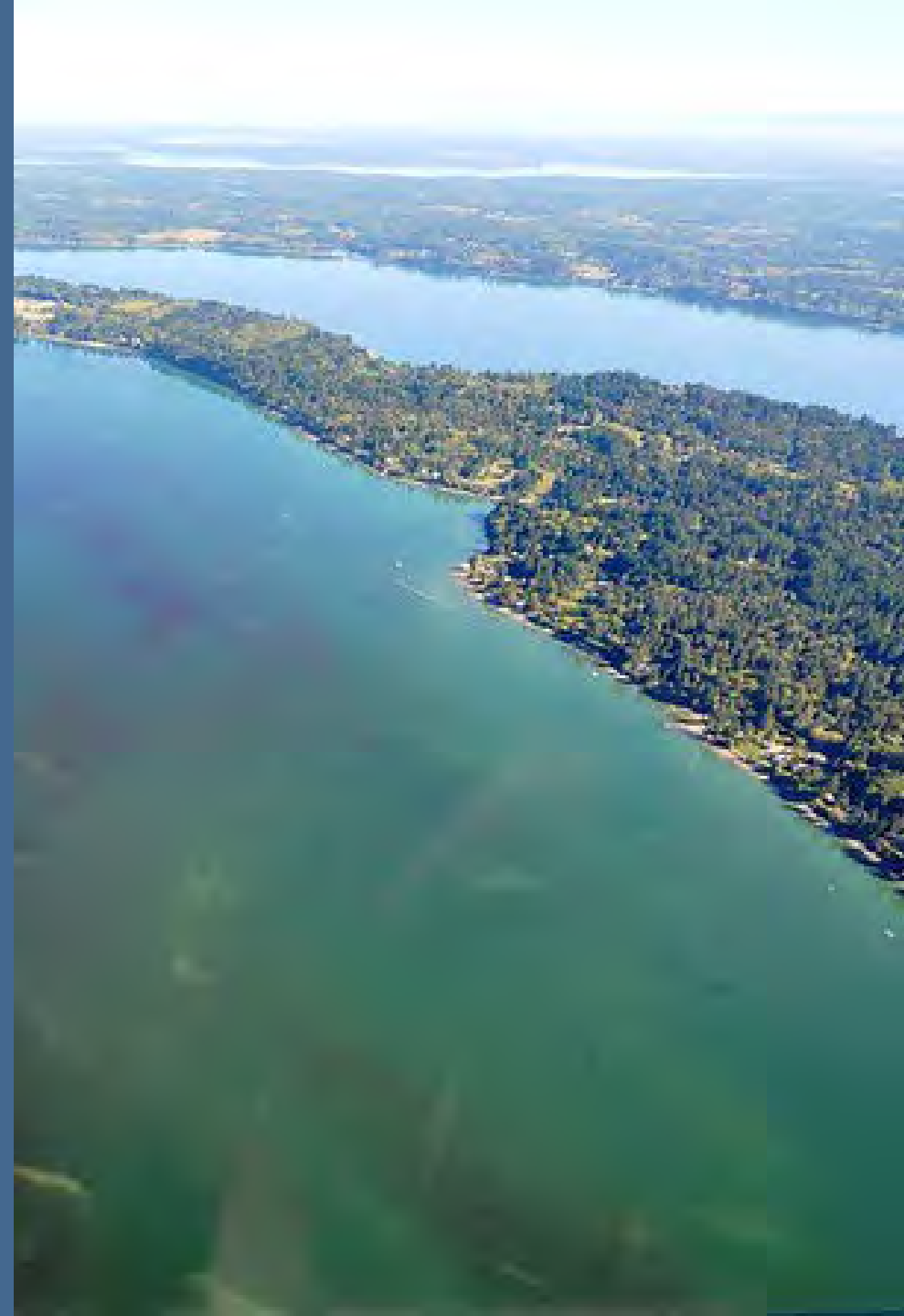
Permit Term Funding Support

\$9 million appropriation from 2021 Legislative Session

- Planning
 - Optimization/Operational Efficiencies
 - Monitoring
-
- Base Grant for City of Tacoma:
 - \$275,349
 - Application due by **March 1, 2022**
-
- Dept. of Commerce – Connecting Housing to Infrastructure grants



Individual NPDES Permits



Tacoma's Individual Permits



Questions?

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