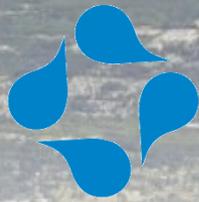
A photograph of a wastewater treatment plant. In the foreground, there is a curved concrete walkway with a silver metal railing. Beyond the railing, there are several large, circular aeration tanks filled with water. The water in the tanks is dark blue, and there are some mechanical structures visible within the tanks. In the background, there are more industrial structures and a clear blue sky. The overall scene is bright and clear.

# **Cleaning and Restoring Water for Our Communities**

**Karla Fowler, Laurie Pierce  
Ben McConkey  
LOTT Clean Water Alliance  
March 31, 2011**

# Purpose and Introduction



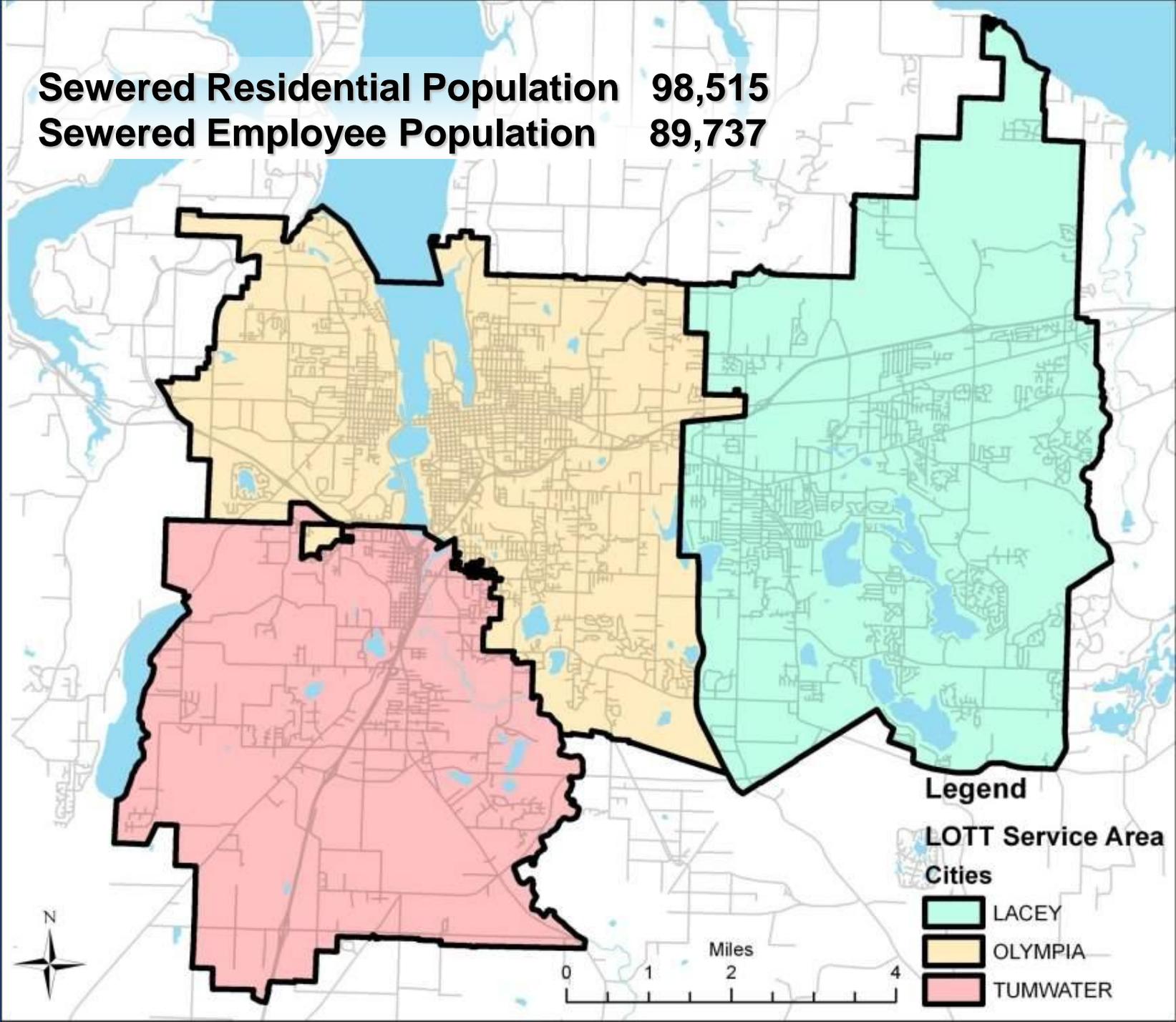


**LOTT**

*Clean Water*

**Alliance**

**Sewered Residential Population 98,515**  
**Sewered Employee Population 89,737**



**Legend**

**LOTT Service Area**

**Cities**

-  LACEY
-  OLYMPIA
-  TUMWATER

# Mission Statement

Preserve and protect  
public health and the  
environment  
by cleaning and restoring  
water resources  
for our communities

Proposed Plan and Final Supplemental EIS



November 1998



**LOTT**  
Wastewater  
Resource Management  
Plan



**BROWN AND CALDWELL**  
and Associated Firms

INTERLOCAL COOPERATION ACT AGREEMENT FOR  
WASTEWATER MANAGEMENT  
BY THE LOTT WASTEWATER ALLIANCE

by and among

City of Lacey, City of Olympia, City of Tumwater, and Thurston County  
("Partners")

November 5, 1999

# Wastewater Resource Management Plan

Reclaimed Water

Groundwater Recharge

Flow Reduction

Increased Budd Inlet Discharge  
(wet weather season only)



# Industrial Pretreatment Program



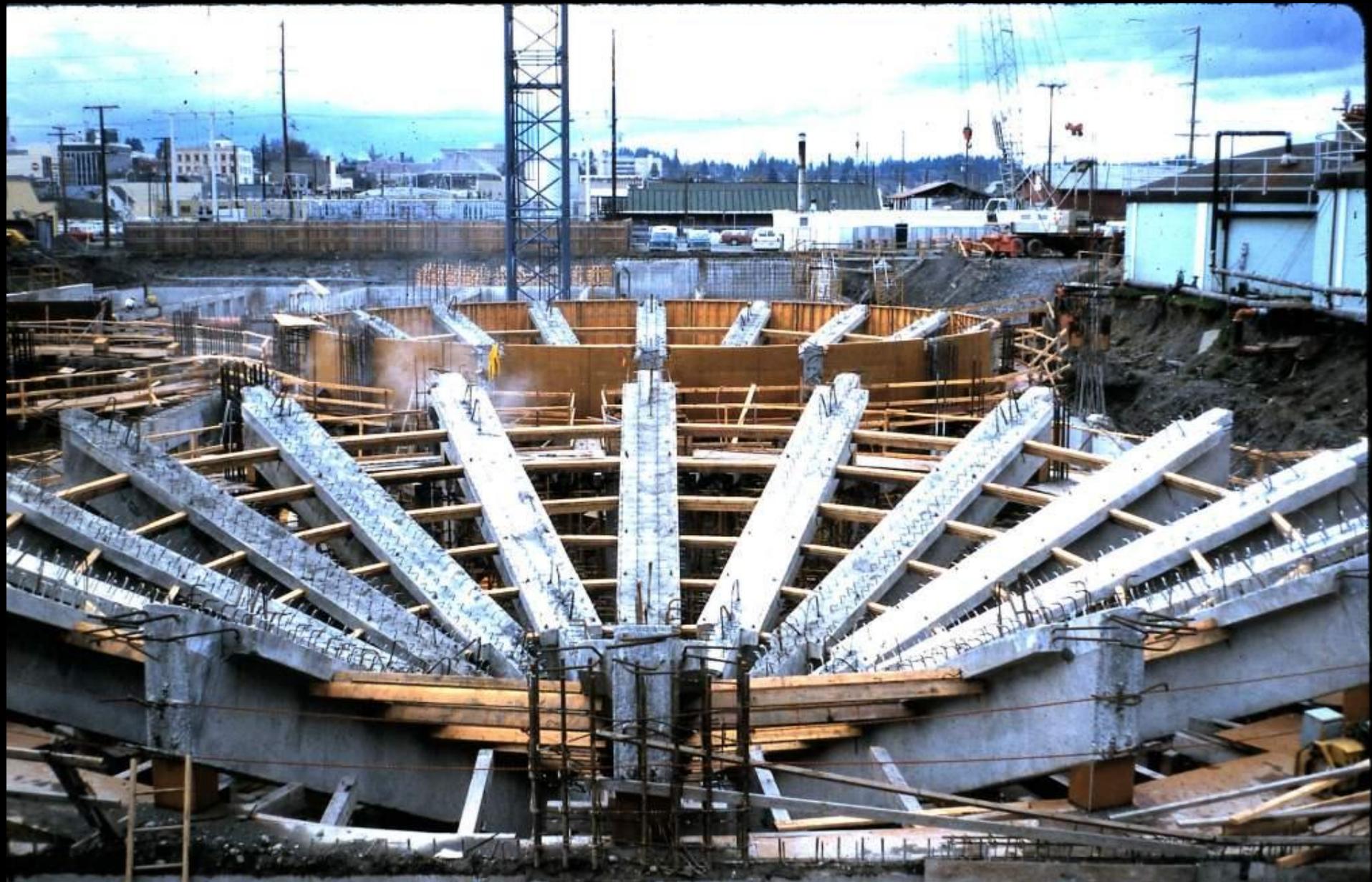
A wide-angle photograph of the Budd Inlet Treatment Plant. The foreground and middle ground are dominated by large, circular clarifiers with metal walkways and railings. In the background, a city skyline is visible under a clear blue sky, with the prominent Washington State Capitol building featuring a large dome. The text 'Budd Inlet Treatment Plant' is overlaid in a white box on the left side of the image.

# **Budd Inlet Treatment Plant**



**Budd Inlet  
Treatment Plant**







021 8

### Legend

-  Fiddlehead Outfall
-  North Outfall

North Outfall

Budd Inlet  
Treatment Plant

Fiddlehead Outfall





Page 1 of 55  
Permit No. WA0037061

Issuance Date: September 1, 2005  
Effective Date: October 1, 2005  
Expiration Date: September 30, 2010

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
WASTE DISCHARGE AND RECLAIMED WATER PERMIT No. WA0037061**

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY  
OLYMPIA, WASHINGTON 98504-7600

In compliance with the provisions of the  
State of Washington Reclaimed Water Act, Chapter 90.46 Revised Code of Washington  
and the  
State of Washington Reclaimed Water Act, Chapter 90.48 Revised Code of Washington, as amended  
Water Pollution Control Law Chapter 90.48 Revised Code of Washington, and  
The Federal Water Pollution Control Act  
(The Clean Water Act) Section 1251 et seq.  
and  
Title 33 United States Code

STATE OF WASHINGTON  
DEPARTMENT OF HEALTH  
OLYMPIA, WASHINGTON 98501

In compliance with the provisions of Chapter 90.46 and 43.70 Revised Code of Washington  
and the  
Authorities

**LOTT Alliance**  
111 Market Street NE, Suite 250  
Olympia, Washington 98501

and the  
Contributing Jurisdictions\*

Thurston County  
2000 Lakeridge Dr SW  
Olympia, WA 98502

City of Lacey  
P.O. Box 3400  
Lacey, WA 98509

City of Olympia  
P.O. Box 1967  
900 Plum St SE  
Olympia, WA 98507

City of Tumwater  
555 Israel Rd SW  
Tumwater, WA 98501

Receiving Water:  
Budd Inlet, South Puget Sound

Reclaimed Water Location:  
005 Reclaimed Water  
47° 02' 49" N  
122° 53' 43" W

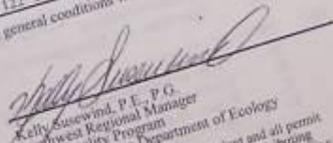
Plant Location:  
000 Adams Street NE, Olympia, WA

Water Body ID No.:  
Old: 390KRD  
New: 1224026474620

Plant Discharge Locations:  
001 North Outfall  
Latitude: 47° 03' 14" N  
Longitude: 122° 54' 16" W  
002 Fiddlehead Outfall (Emergency use only)  
Latitude: 47° 03' 04" N  
Longitude: 122° 54' 14" W

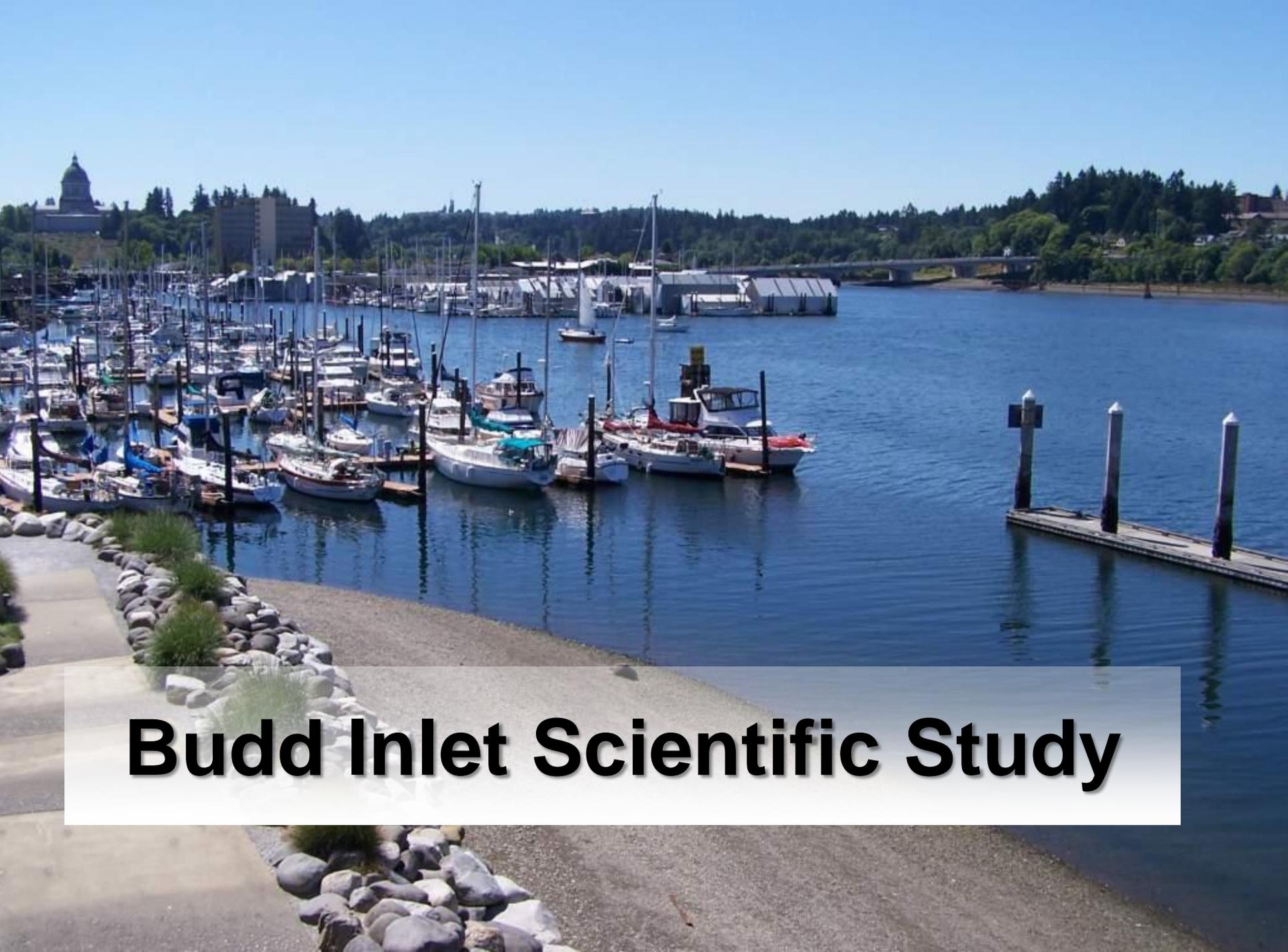
Plant Type:  
Activated Sludge/Advanced Treatment and  
Class A Reclaimed Water

to discharges in accordance with the special and general conditions which follow

  
Kelly Kusewind, P.E., P.G.  
Southwest Regional Manager  
Water Quality Program  
Washington State Department of Ecology

\*While the LOTT Alliance is the primary Permittee and has day-to-day responsibility for the treatment plant and all permit conditions, except as otherwise noted, the cities of Lacey, Olympia, and Tumwater and Thurston County as contributing jurisdictions collectively share responsibility for permit issues involving the treatment plant and discharge, as well as being responsible for their respective collection systems and lift stations, and the discharge of waste from their systems to the LOTT system.

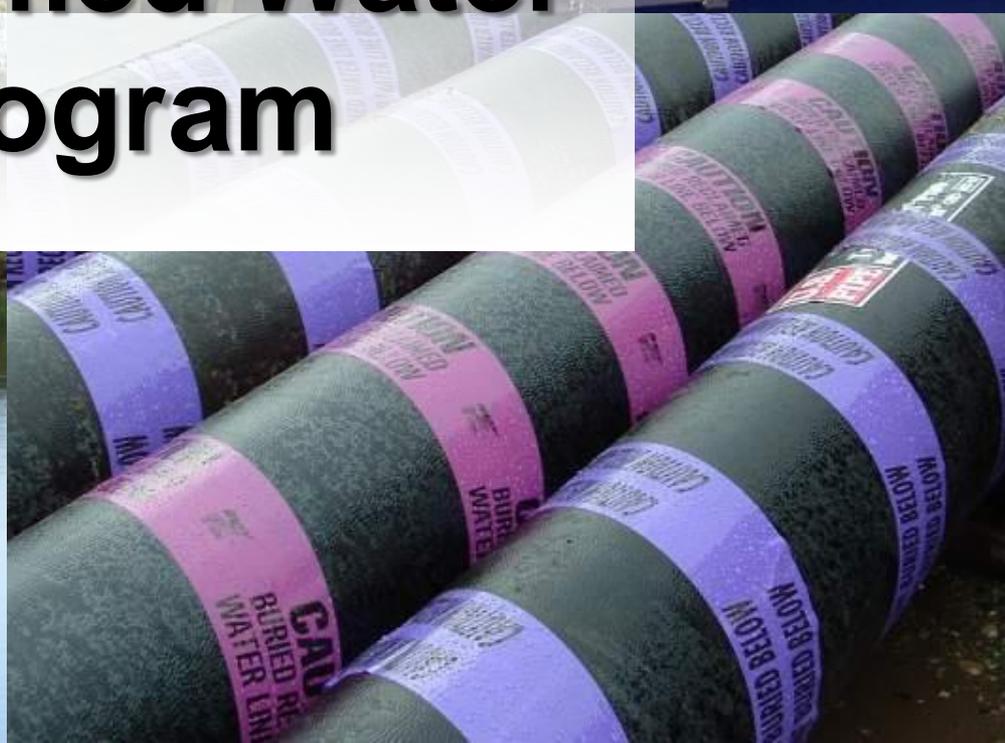
# NPDES Permit



# **Budd Inlet Scientific Study**



# Reclaimed Water Program





RAW SEWAGE

FINAL EFFLUENT

RECLAIMED WATER

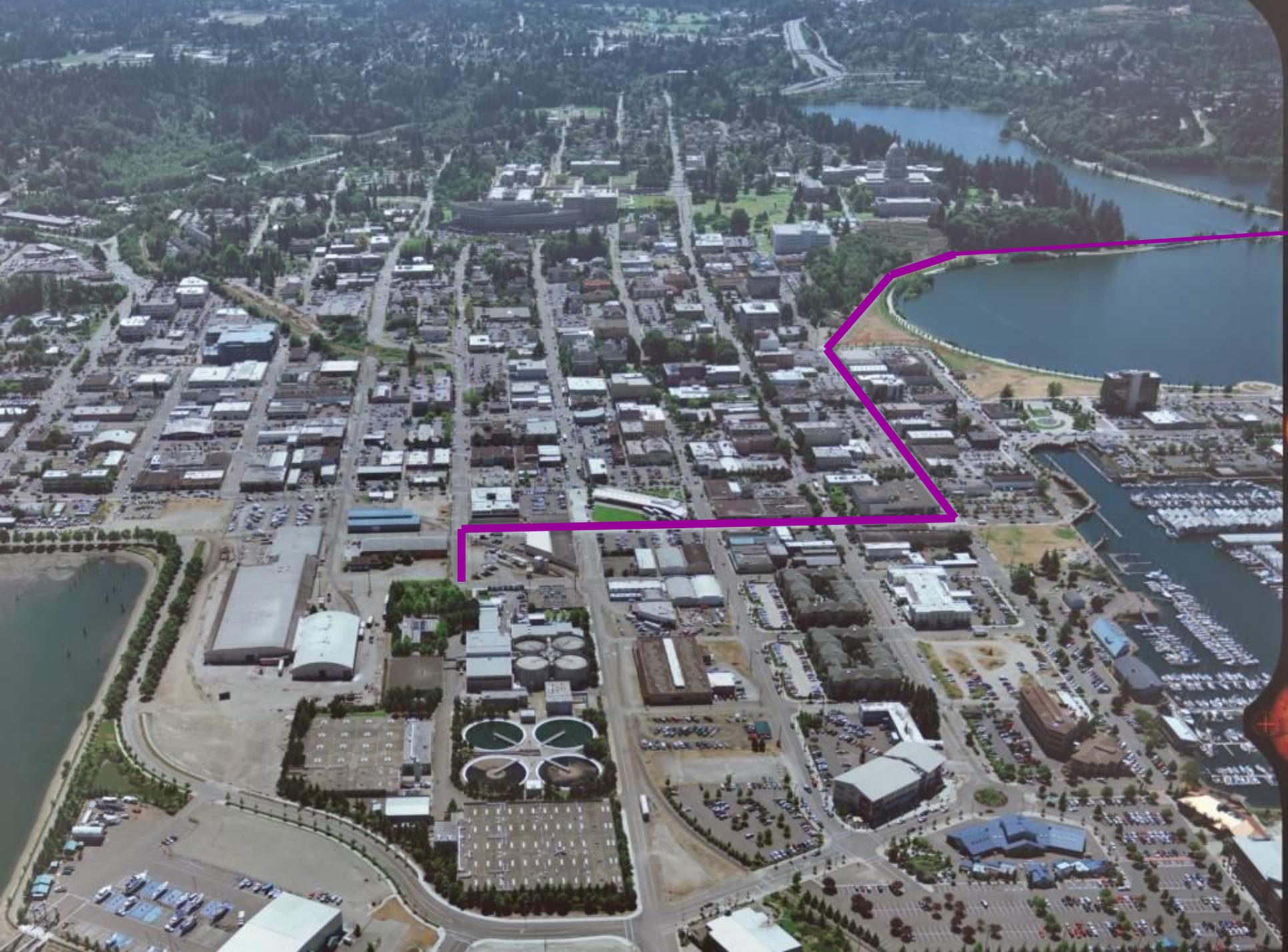
**What is Reclaimed Water?**



Irrigation  
Commercial & Industrial Processes  
Dust Suppression  
Decorative Fountains & Ponds  
Streamflow & Wetland Enhancement  
Groundwater Recharge  
...and More!



**Budd Inlet  
Reclaimed Water Plant**



# State Department of General Administration



## Irrigation at:

- 💧 Heritage Park
- 💧 Marathon Park
- 💧 Deschutes Parkway
- 💧 Capitol Campus (next phase)

# Port of Olympia



- 💧 Irrigation
- 💧 Dust suppression
- 💧 Landscaping pond

# *City of Olympia*

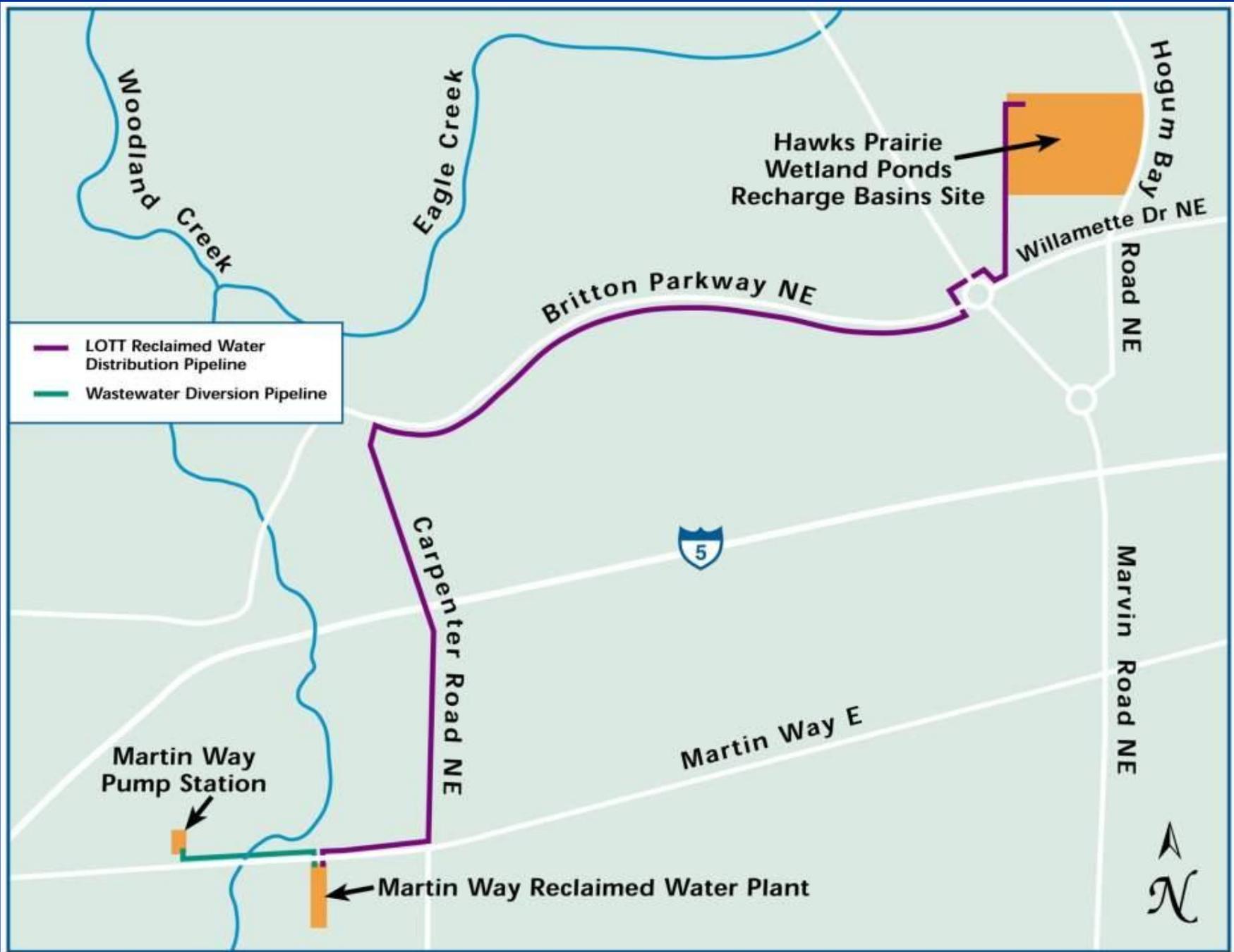


💧 Irrigation at Percival Landing



**Martin Way  
Reclaimed Water Plant**

















**LOTT Regional Services Center**



# Pipelines to Tumwater and West Olympia

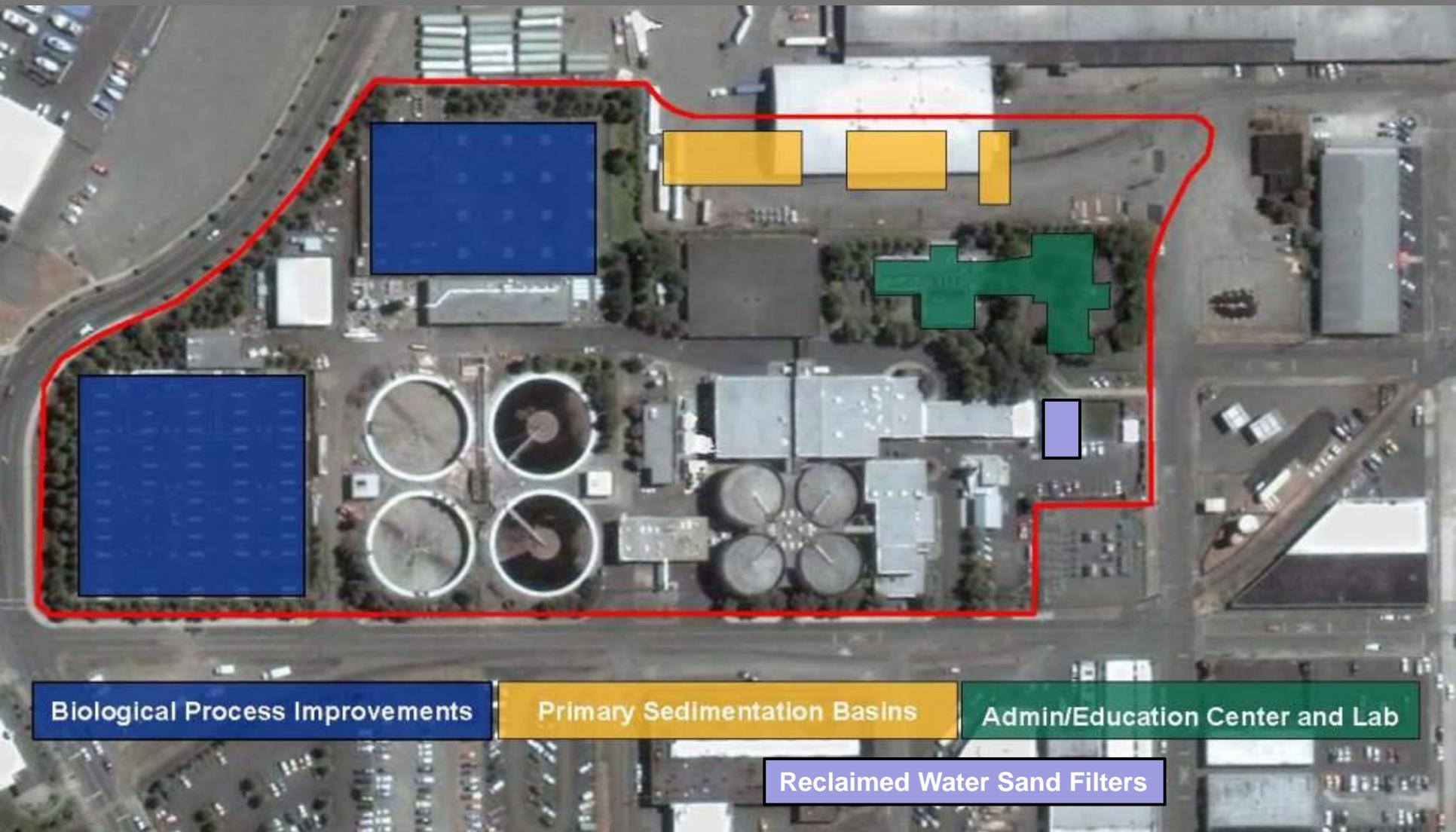


# Future Plans



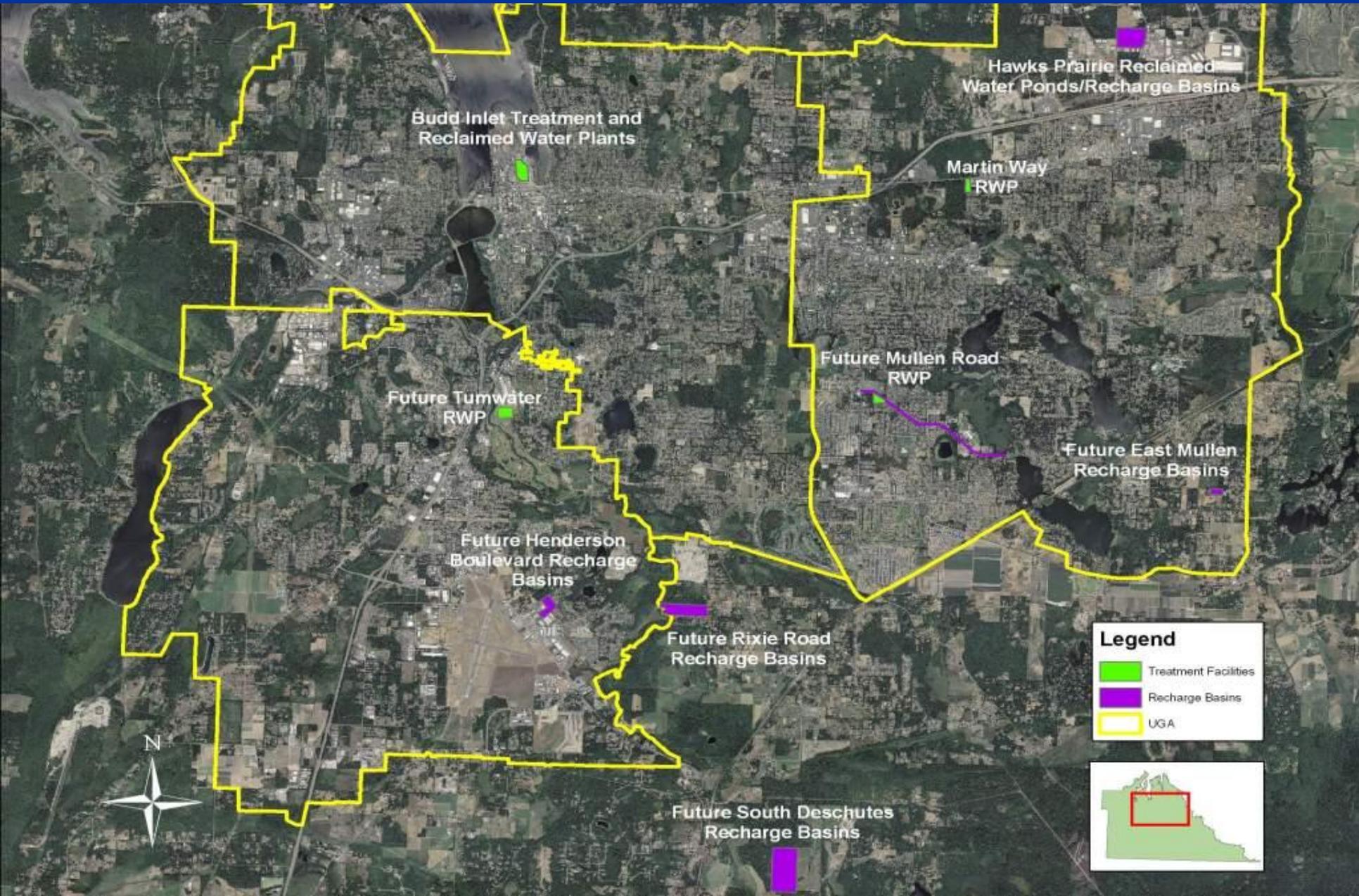


**East Bay  
Public Plaza**

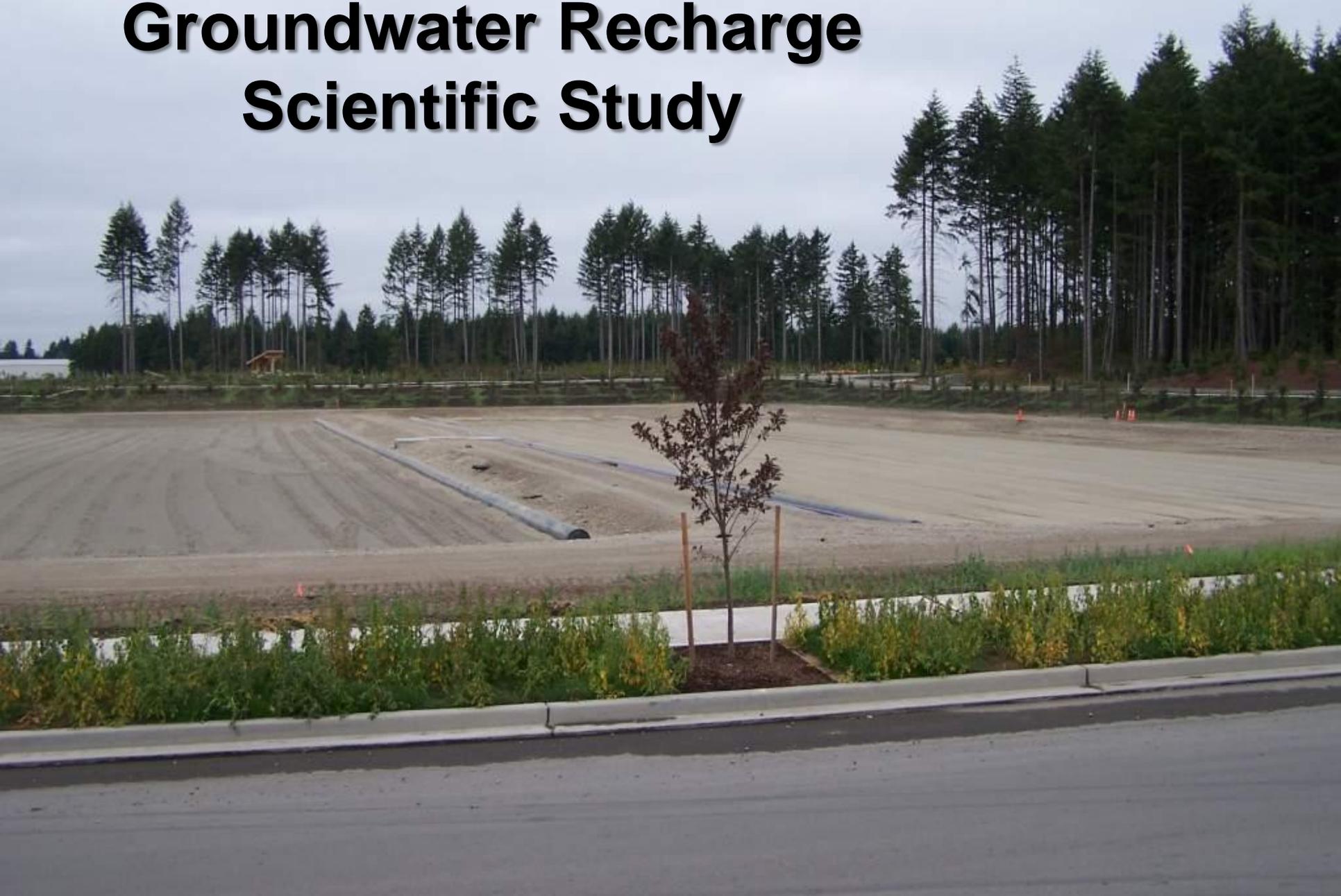


# Budd Inlet Treatment Plant Improvements

# Treatment & Recharge Sites



# Groundwater Recharge Scientific Study



# Questions???

**Karla Fowler**  
**Community Relations &  
Environmental Policy Director**  
**360-528-5712**  
**karlafowler@lottcleanwater.org**

**Laurie Pierce**  
**Operations & Facilities Director**  
**360-528-5727**  
**lauriepierce@lottcleanwater.org**

