

Environmental Leadership

Improving our environment now and for the future

Deanna Keller, Commissioner
Jason Jordan, Director Environmental Programs

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2021-2026 Strategic Plan



Environmental and Planning Team

Team of 18 professional staff with backgrounds in biology, geology, chemistry, ecology, land use, project management, transportation planning, and economics.



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Environmental Leadership: What we do

Through our environmental policies, we are:

- **reducing air emissions** from port-related operations
- **improving water quality** in the harbor and surrounding waterways
- **protecting and enhancing fish and wildlife**
- **implementing environmentally sustainable practices** throughout the port



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Environment Leadership: How we do it

Our environmental programs focus on:

- **Air quality & climate**
- **Water quality**
- **Remediation (clean-up) actions**
- **Habitat site mitigation and restoration**



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Improving AIR QUALITY: Clean Air Strategy

Did you know? The Northwest Ports Clean Air Strategy vision is to phase out emissions from seaport-related activities by 2050, or sooner.

Implementations plans include:

- Shore Power Program
- Clean Truck Program
- Clean Cargo Handling Equipment
- Sustainable Building Policy
- Transitioning vehicle fleet to electric or plug-in electric



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Improving AIR QUALITY: shore power

Did you know? A ship “plugged-in” while docked avoids burning 10 metric tons of fuel and emitting 32 tons of CO₂ and 22 pounds of diesel particulate matter within 40 hours.

Now: Shore power being used at TOTE Terminal in Tacoma

Future: Shore power at Husky Terminal in Tacoma, Terminal 5 in Seattle, design of T-18 in Seattle, and others to follow



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Improving AIR QUALITY: clean trucks

Did you know? All of the trucks servicing the Port’s international container terminals now have 2007 or newer emission-compliant engines.

- Scrap & Replace incentive funds
- RFID (radio frequency ID) technology
- Formation of zero-emission truck collaborative
- Clean Truck requirements have reduced particulate emissions from trucks servicing the Port by more than 90% per truck



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Improving WATER QUALITY: How we do it

Did you know? Stormwater is the #1 source of pollution in Puget Sound.

Proactive actions we take:

- Source control inspections
- Treatment systems
- Regular cleaning



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Improving WATER QUALITY: Treatment

Two of the Port's innovative stormwater treatment systems:



West Sitcum Terminal



West Hylebos log yard

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Improving WATER QUALITY: waterways

The Port took a lead role in remediating four major waterways in Commencement Bay:

- Blair
- Sitcum
- Milwaukee
- Hylebos

Processes implemented include:

- Active dredging and removal
- Capping
- Natural recovery

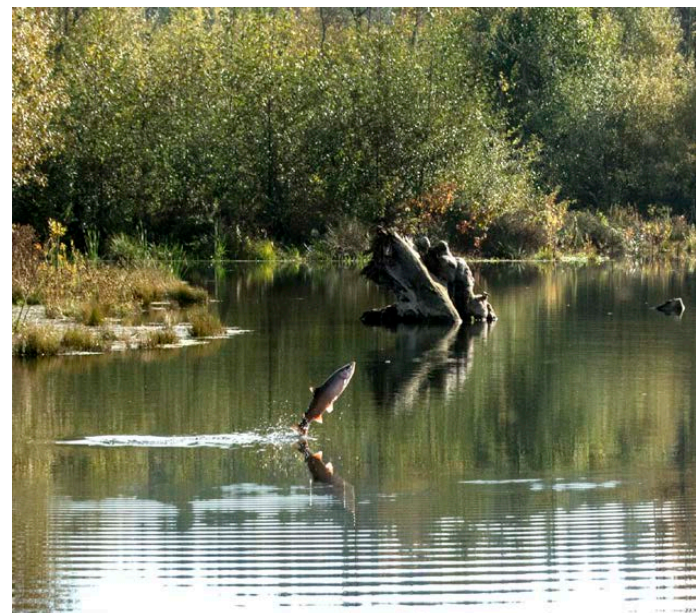


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Improving the LAND: How we do it

Did you know? The Port has created, enhanced, restored, and preserved over 215 acres of habitat

- Our habitat improvement efforts are focused on enhancing Puyallup watershed fisheries



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Improving the LAND: habitat sites

Some of our prime habitat sites include:

- Clear Creek
- Dick Gilmur Shoreline Restoration
- Fairliner
- Gog-le-hi-te wetlands
- Hylebos Creek
- Milwaukee Waterway
- Place of Circling Waters
- q^wiq^wəlut “Little Marsh”

New project underway:

- Lower Wapato Creek



Port habitat sites map: www.portoftacoma.com/environment

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Improving the LAND: How we do it

Did you know? To date, we have remediated over 1,100 acres of Port-owned land, putting it back into productive use.



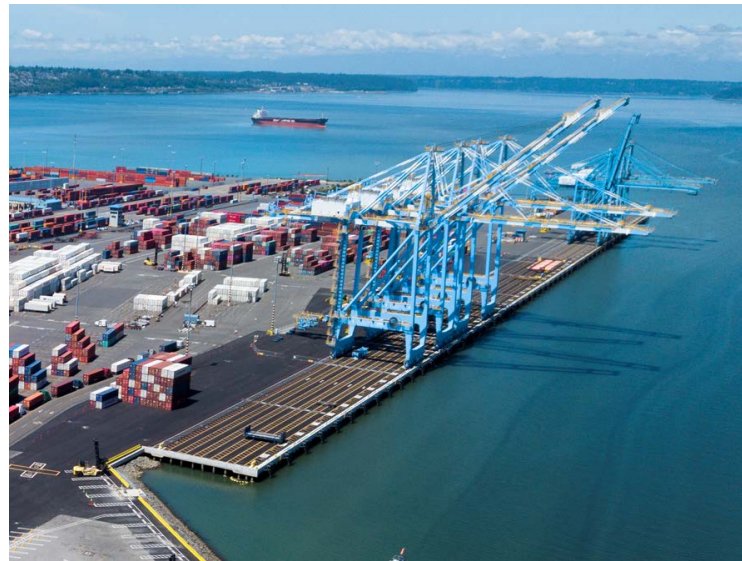
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Improving the LAND: remediation

Remediated land creates opportunities for redevelopment and new job creation.

Two recent examples include:

- Wallenius Willemssen Solutions' Taylor Way Auto Facility
- Pier 4 Reconstruction



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Innovative approaches: mitigation banking

Did you know? We are the first agency within the Puyallup watershed to create a mitigation bank.

- Mitigation banking aims to protect and conserve the environment by offsetting the ecological loss of development by compensating for the preservation and restoration of a different area.



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Thank you!

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