

# Focus Puget Sound

## Port Gardner Bay



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

The Everett waterfront is a treasure, serving local and regional needs for business and industry, recreation, housing and cultural activities. The PUGET SOUND INITIATIVE is focusing energy and resources on cleaning up contaminated waterfront sites. In Everett, local, state and federal agencies, local Native American tribes, businesses and property owners are working to restore the waterfront – cleaning up several old industrial sites and restoring waterfront areas for fish, animals and people. This unique, baywide collaboration means more cleanups and restoration are happening faster. Important waterfront uses – marinas, parks, recreation, housing, fishing, cultural uses and others – can thrive in a revitalized and healthy waterfront environment.

The action is in the bay - Port Gardner Bay. The map on the right highlights several ongoing activities, all aimed at making the area, and Puget Sound, healthier. Read on, and learn how you can be part of renewing the Everett waterfront!

### Cleanups Support Other Waterfront Opportunities



Waterfront industry plays a major role in Everett's history and, today, anchors the local economy. As waterfront sites are cleaned up and restored, marine industries can prosper.



People who use the waterfront, fish or forage in the bays, and interact with the waterfront environment will benefit as toxics, debris and sources of contamination are removed from the environment. Improving human health is a major goal of the Puget Sound Initiative.

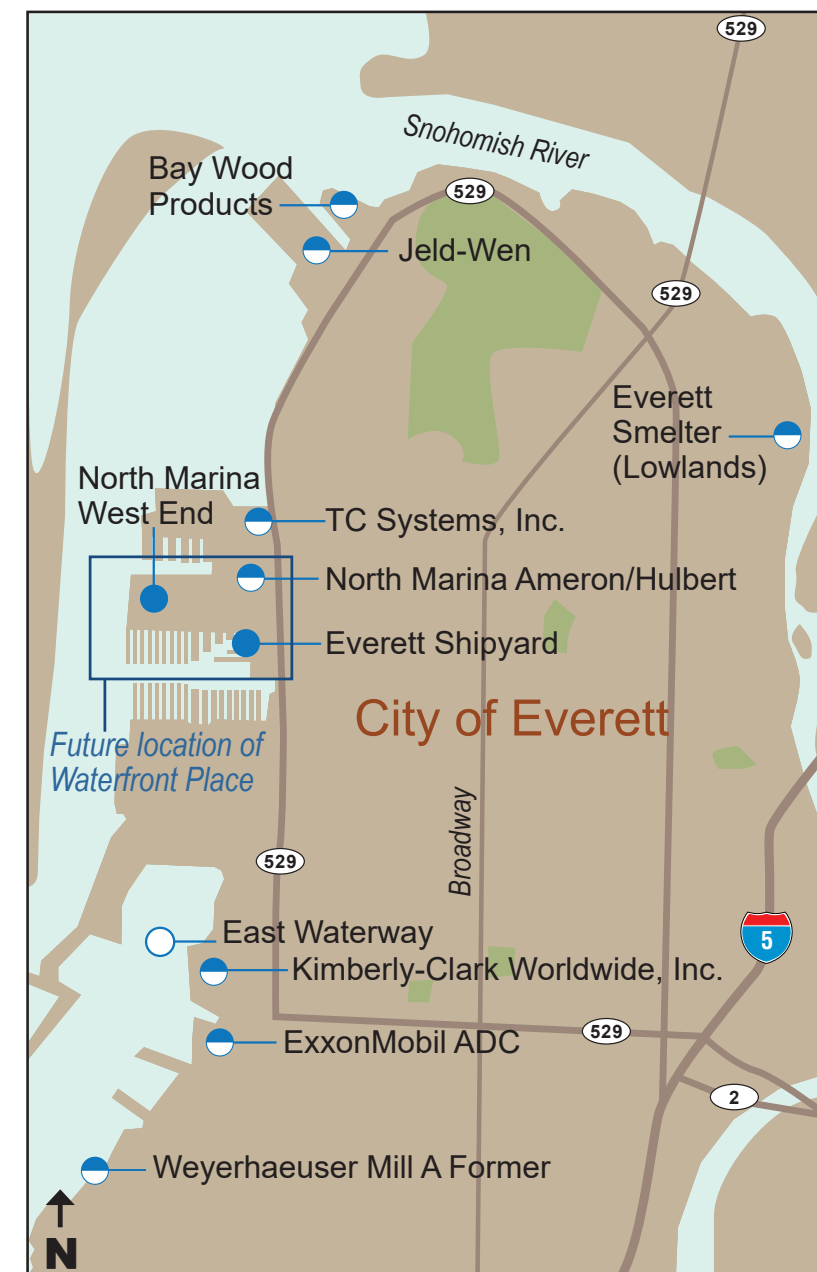


Historically, fish, birds and wildlife thrived in Port Gardner Bay. By cleaning up pollution and improving habitat in the water and on the shorelines, healthy fish and wildlife populations can thrive – on the Everett waterfront and across the Sound.



Regionally, people are increasingly drawn to the gorgeous natural resources of the Everett area to live, work and play. Waterfront cleanups and restoration will open up opportunities for housing, recreation and an overall great quality of life.

### Port Gardner Bay



- KEY**
- Site under investigation
  - ◐ Site cleanup partially completed
  - Site cleanup completed

# Site By Site

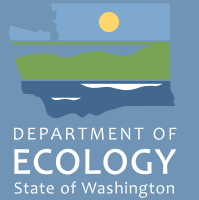
## See The Waterfront Get Better

### For More Information

Everett is your community, and you can help with this waterfront initiative. We invite you to contact us for more information:

Washington State Department of Ecology  
Andrew Kallus  
(360) 407-7259  
Andrew.Kallus@ecy.wa.gov  
www.ecy.wa.gov/programs/tcp/cleanup.html

Watch for cleanup notices to review – we maintain a public information repository at the Everett Public Library. Look for the blue PUGET SOUND INITIATIVE cover.



## Waterfront Place Redevelopment



### Everett Shipyard Inc.

The Everett Shipyard Site is within the Port's Waterfront Place Redevelopment. Everett Shipyard has maintained shipyard activities at this Site since its founding as Fishermen's Boat Shop in 1947. The shipyard historically operated as a boat building, maintenance and repair facility. Operations at the Site ceased in September 2009. An investigation to fully characterize contamination at the Site was completed in 2010. Primary contaminants identified include metals, PAHs, petroleum, and PCBs in the uplands, and SVOCs (including PAHs), metals, tributyltin, PCBs, and petroleum in the sediment. Site cleanup of the uplands and the in-water area were completed in 2013 and 2014/2015, respectively. **FSID: 2794**



### North Marina Ameron/Hulbert

The North Marina Ameron/Hulbert Site is part of the Port's Waterfront Place Redevelopment. Primary uses of the Site have included shingle and saw milling, marine support services, and concrete pole and piling manufacturing. Metals, petroleum and other substances contaminate soil and groundwater at this Site. The Port completed extensive investigation and partial cleanup of the

Site uplands under Ecology's voluntary cleanup program. An investigation to fully characterize contamination at the Site has been completed in addition to interim actions that removed soil contamination and cleaned out and repaired stormwater lines. Final cleanup is anticipated for 2018. **FSID: 68853261**



### North Marina West End

The North Marina West End Site is part of the Port's Waterfront Place Redevelopment. Used for commercial, marine and industrial purposes since the 1900s, the North Marina West End Site has a variety of contaminants including metals, PAH, and vinyl chloride. The Port completed extensive investigation and cleanup of the Site uplands under Ecology's voluntary cleanup program.

An investigation to fully characterize potential contamination remaining at the Site (i.e., Site groundwater and sediments) was completed in 2010. Primary contaminants of concern at the Site include arsenic, copper, and vinyl chloride in groundwater, and PAHs at one location in sediment. Long-term compliance groundwater and sediment monitoring was completed in 2013. Ecology will review the conditions of the Site in five years (2018) to ensure the cleanup has been effective. **FSID: 3306834**

## Other Puget Sound Initiative Sites



### Kimberly-Clark Worldwide, Inc.

The Kimberly-Clark (K-C) Worldwide, Inc. Site was primarily used for pulp and paper manufacturing from 1931 to 2012 and is located next to East Waterway. K-C owns about 56 acres of uplands and 12 acres of tidelands. Past uses also included bulk petroleum storage operations by several oil companies and sawmilling. All manufacturing operations at the K-C facility ceased in April 2012. The mill and former structures have since been demolished. Historical sampling in the Site

uplands has identified mostly petroleum and metals contamination in soil and groundwater. Contaminants in the crushed demolition debris, which was K-C spread independently on the Site during mill demolition, include metals, PAHs, PCBs and petroleum. The crushed demolition debris has also caused the groundwater pH to rise above neutral conditions. Samples collected in the marine sediments contained wood waste and contaminants, including metals, PAHs, PCBs, SVOCs and dioxins/furans. Ecology and K-C have developed an Agreed Order to investigate and clean up the Site uplands. Soil cleanups conducted as interim actions have resulted in the removal of about 40,000 cubic yards of contaminated soil along with several thousand gallons of petroleum contaminated groundwater. The upland investigation is on-going. The in-water area will be addressed as part of a separate cleanup agreement for East Waterway. **FSID: 9**



### Weyerhaeuser Mill A Former

From the 1890s to the early 1980s, the Weyerhaeuser Mill A Former Site was used for sawmill and pulp mill operations and is located at the Port's South Terminal. Samples collected from adjacent marine sediments were found to contain a large volume of wood waste, as well as contaminants including metals, PCBs, PAHs, phenols and dioxin/furans. Upland contaminants include metals, PAHs, petroleum, PCBs and several SVOCs. Ecology, the Port of Everett, Weyerhaeuser

Company, and Washington State Department of National Resources developed an Agreed Order to guide Site cleanup in 2012. In-water sediment sampling commenced in 2015 and upland sampling (soil and groundwater) began in 2016. The investigation is ongoing. An interim cleanup action in a portion of the in-water area was completed in 2016/2017 to remove contaminated sediment and wood debris to increase navigational access to the terminal. **FSID: 1884322**



### Bay Wood Products

The Bay Wood Products Site was a former sawmill (from the 1930s to the 1970s) and log handling and storage facility (1979 to 1994). This Site is located at the confluence of the Snohomish River and Port Gardner Bay near the Maulsby Mudflats. An investigation to fully characterize potential contamination at the Site is on-going. Primary contaminants

identified include PAHs in the uplands and low levels of dioxins/furans and PAHs in the sediments. Wood waste was also identified in the in-water area. An interim action to address upland PAH-contaminated soil stockpiles was completed in 2013. Site cleanup of the in-water area is anticipated for 2018/2019. **FSID: 4438651**



### Jeld-Wen

Operations at the Jeld-Wen property included door manufacturing, wood treating and saw milling. The property is located on the Snohomish River waterfront at the north end of Everett and is currently being investigated to characterize soil, groundwater and sediment contamination at the Site.

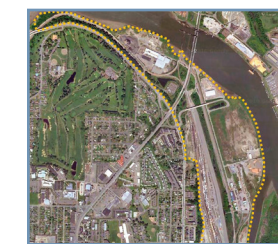
Investigations to date have identified various petroleum products including creosote and other pollutants in soil and groundwater. Dioxins/furans, cPAHs, and PCBs have been identified as primary contaminants in the sediment. The cleanup investigation is ongoing. Site cleanup is anticipated for 2018/2019. **FSID: 2757**



### ExxonMobil ADC

The ExxonMobil ADC Site was a former petroleum bulk storage and distribution facility located south of and adjacent to the former K-C Worldwide mill. An investigation in 1998 resulted in building an interceptor trench for petroleum recovery and paving of the Site to prevent the spread of contamination. Petroleum gauging and oil recovery in on-site

wells occurs on a monthly basis and the Site's groundwater is monitored semi-annually. An investigation to define the nature and extent of contamination in soil and groundwater at the Site and its potential influence on adjacent surface water is complete. A focused set of cleanup options for the Site is being developed. Cleanup is anticipated for 2018. **FSID: 2728**



### Everett Smelter Site (Lowland Area)

The Everett Smelter Lowland Area is located in north Everett, next to the Snohomish River, and was home to several former Weyerhaeuser mills. This Site is contaminated with lead, arsenic and other metals. The smelter operated from 1896 to 1912. Ecology received funds to continue cleanup of the Everett Smelter Site as part of a settlement of the ASARCO environmental bankruptcy case. A cleanup action plan was finalized in 2016. The cleanup will be phased and is anticipated to begin in 2017. **FSID: 2744**



### East Waterway

The East Waterway is located in the Everett Harbor area at the mouth of the Snohomish River, directly west of downtown Everett. It is a deepwater port and industrial area with multiple sources of sediment contamination including historical discharges, as well as log rafting, which contributed to high levels of wood waste. Primary uses of the waterway have included shipping and processing facilities for timber, pulp, and alumina, deep water shipping operations by the Port of Everett and naval activities. Historical sediment data show a variety

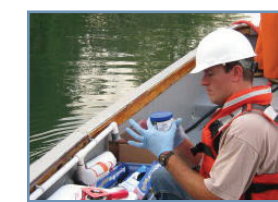
of contaminants such as PAHs, SVOCs including phenols, PCBs, dioxin/furans and some metals. The cleanup will be phased and is anticipated to begin in 2017. **FSID: 2733**



### TC Systems, Inc.

TC Systems has supported the aviation and boating industries by chemically treating and painting metal parts since about 1984. TC Systems ceased operations in May 2010. Prior to TC Systems, industrial activities at the Site consisted of a historic shingle mill that was built on pilings, a fiberglass boat construction company, and manufacturing of windows and railings for boats. A cleanup investigation at the Site, which is on-going, commenced in April 2011 and documented

contamination in both soil and groundwater. Primary contaminants identified include metals, SVOCs including PAHs, PCBs, and petroleum. An interim cleanup along the Site's south fence line (next to the Port's Ameron/Hulbert Site) is anticipated for 2018. **FSID: 10587741**



### Baywide Sediment Study

Ecology conducted a baywide sediment investigation of Port Gardner and the lower Snohomish River Estuary. The investigation was performed to: (1) characterize the current sediment quality of Port Gardner, (2) evaluate potential sources of contaminants in sediments, and (3) prioritize cleanups

for areas that provide the greatest return in restored ecological values and function upon cleanup. The investigation results are presented in a final report dated July 2009. The report can be downloaded from Ecology's website: [www.ecy.wa.gov/programs/tcp/sites\\_brochure/psi/everett/everettSedStudy.html](http://www.ecy.wa.gov/programs/tcp/sites_brochure/psi/everett/everettSedStudy.html)

**PCBs: Polychlorinated biphenyls**

**PAHs: Polycyclic aromatic hydrocarbon**

**SVOCs: Semi Volatile Organic Compound**



To request ADA accommodation including materials in a format for the visually impaired, call Ecology at 360-407-7170 or visit <http://www.ecy.wa.gov/accessibility.html>. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.