

Site Cleanup:

BAY WOOD PRODUCTS SITE

200 West Marine View Drive
Everett, Washington

DRAFT PUBLIC PARTICIPATION PLAN

Prepared by:

Washington State Department of Ecology



DEPARTMENT OF
ECOLOGY
State of Washington

Revised June 2011

This Plan Is For You!

This Public Participation Plan (Plan) is prepared for the Bay Wood Products Site cleanup as part of the requirement of the Model Toxics Control Act (MTCA). The Plan provides information about MTCA cleanup actions and requirements for public involvement, and identifies how Ecology and the Port of Everett will support public involvement throughout the cleanup. The Plan is intended to encourage coordinated and effective public involvement tailored to the community's needs at the Bay Wood Products Site.

For additional copies of this document, please contact:

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If you need this document in a format for the visually impaired, please call the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341 (TTY).

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1.0: Introduction and Overview of the Public Participation Plan

This Public Participation Plan (Plan) explains how you can become involved in improving the health of your community. It describes public participation opportunities that will be conducted during cleanup of a site on the Everett waterfront - the Bay Wood Products Site (Site). These opportunities are part of a cooperative agreement between the Washington State Department of Ecology (Ecology) and the Port of Everett (Port). The current agreement, called an Agreed Order, is a legal document in which the Port and Ecology agree to decide on cleanup actions for the Bay Wood Products Site. Bay Wood Products is located at 200 West Marine View Drive, on Port Gardner Bay, Everett, Washington.

Cleanup actions and the public participation process that helps guide them are established in Washington's Model Toxics Control Act (MTCA).¹ Under MTCA, Ecology is responsible to provide timely information and meaningful chances for the public to learn about and comment on important cleanup decisions before they are made. The goals of the public participation process are:

- To promote understanding of the cleanup process so that the public has the necessary information to participate.
- To encourage involvement through a variety of public participation opportunities.

This Public Participation Plan provides a framework for open dialogue about the cleanup among community members, Ecology, cleanup site owners, and other interested parties. It outlines basic MTCA requirements for community involvement activities that will help ensure that this exchange of information takes place during the investigation and cleanup, which include:

- Notifying the public about available reports and studies about the site.
- Notifying the public about review and comment opportunities during specific phases of the cleanup investigation.
- Providing appropriate public participation opportunities, such as fact sheets, to learn about cleanup documents, and if community interest exists, holding meetings to solicit input and identify community concerns.
- Considering public comments received during public comment periods.

¹ The Model Toxics Control Act (MTCA) is the hazardous waste cleanup law for the State of Washington. The full text of the law can be found in Revised Code of Washington (RCW), Chapter 70.105D. The legal requirements and criteria for public notice and participation during MTCA cleanup investigations can be found in Washington Administrative Code (WAC), Section 173-340-600.

In addition to these basic requirements, the plan may include additional site-specific activities to meet the needs of your community. Based upon the type of the proposed cleanup action, the level of public concern, and the risks posed by the site, Ecology may decide that additional public involvement opportunities are appropriate.

These opportunities form the basis for the public participation process. The intent of this plan is to:

- Provide complete and current information to all interested parties.
- Let you know when there are opportunities to provide input.
- Listen to concerns.
- Address those concerns.

Part of the Puget Sound Initiative

The Bay Wood Products Site is one of several sites in the Everett area and is part of a larger cleanup effort called the Puget Sound Initiative (PSI). Governor Chris Gregoire and the Washington State Legislature authorized the PSI as a regional approach to protect and restore Puget Sound. The PSI includes cleaning up 50-60 contaminated sites within one-half mile of the Sound. These sites are grouped in several bays around the Sound for “baywide” cleanup efforts. As other sites in the Everett baywide area move forward into investigation and cleanup, information about them will be provided to the community as well as to interested people and groups.

Roles and Responsibilities

Ecology will lead public involvement activities, with support from the Port. Ecology maintains overall responsibility and approval authority for the activities outlined in this Plan. The Port is responsible for cleanup at this Site. Ecology will ultimately oversee all cleanup activities, and ensure that contamination on this Site is cleaned up to concentrations that are established in state regulations and that protect human health and the environment.

Organization of this Public Participation Plan

The sections that follow in this Plan provide:

- Section 2: Background information about the Bay Wood Products Site.
- Section 3: An overview of the local community that this plan is intended to engage.
- Section 4: Public involvement opportunities in this cleanup.

This Public Participation Plan addresses current conditions at the Site, but it is intended to be a dynamic working document that will be reviewed at each phase of the cleanup, and updated as needed. Ecology and the Port urge the public to become involved in the cleanup process.

2.0: Site Background

Site Description and Location

The Bay Wood Products Site is generally located at 200 West Marine View Drive, in Everett, Snohomish County, Washington (see Figures 1 and 2). It is west of the Legion Memorial Golf Course and the American Legion Memorial Park (see Figure 1). The upland portion of the site is about 13 acres in size. It is bounded by the JELD-WEN facility (also a PSI cleanup site) to the south, mudflats to the north, Burlington Northern Railroad and West Marine View Drive to the east, and Port Gardner Bay to the west. The site is located in the vicinity of where the Snohomish River flows into Port Gardner Bay. It is currently vacant industrial property.

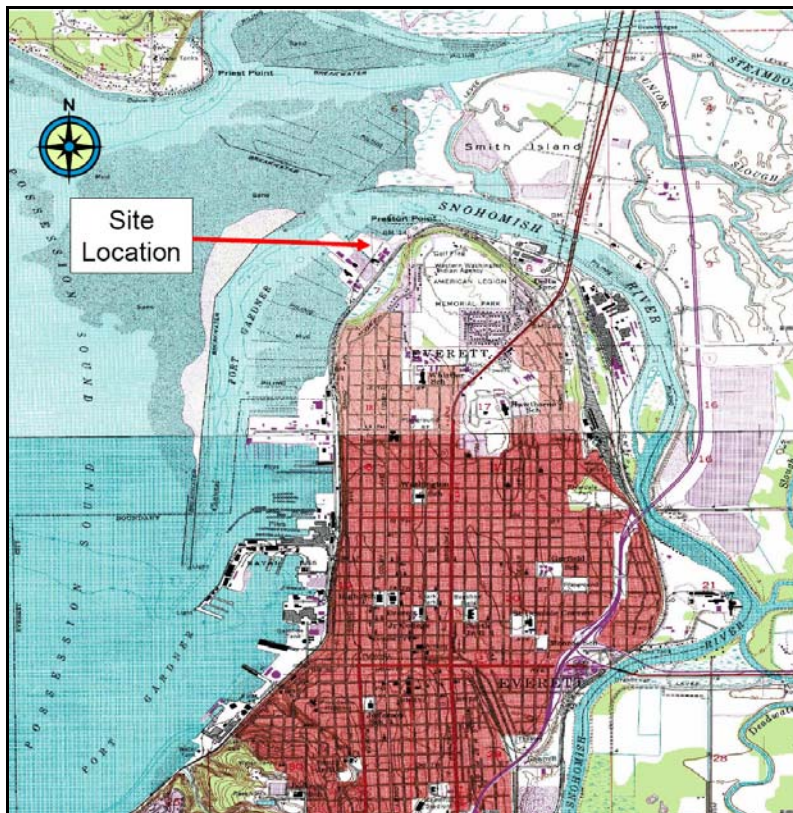


Figure 1: The Bay Wood Products Site, shown in the above map with an arrow, is generally located at 200 West Marine View Drive, on Port Gardner Bay, Everett, WA. (Photo Source: USGS 7.5 Minute Quadrangle Maps (Everett and Marysville Quadrangle Maps; Photo Revised – 1968 and 1973))



Figure 2: An enlarged view of the Bay Wood Products Site.
(Photo Source: Imagery: I-Cubed, 2006; Acquired: Via ArcGIS Explorer by ESRI on 1/25/2008)

The City of Everett Comprehensive Plan land use map² indicates that the Site is zoned industrial, for maritime services. Zoning to the east includes a small agricultural area and residential single-family homes. Zoning to the west includes open water and parks (Jetty Island). The Site is not located within the Everett Smelter area of historic arsenic contamination.

General Site History and Contaminants

The Bay Wood Products Site is located on fill that was placed in Port Gardner Bay. Lumber and mill operations began on this Site around 1936. In 1979, Bay Wood Products removed the sawmill and used the Site for log handling and storage until 1994. Site features during Bay Wood Products operations included office and shop buildings, a covered shed, oil drums, electrical transformers, above-ground fuel storage tanks, and log rafts. These features have been removed, and the Site is currently vacant.

Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) have been found on the Site in upland soil. In addition, wood waste was also found in upland soil and adjacent in-water areas (imbedded in the sediments). Wood

² Planning and Community Development, City of Everett, WA
http://www.everettwa.org/Get_PDF.aspx?pdfID=339 (Accessed January 24, 2008)

waste smothers near-shore habitat and animals such as clams, and can cause changes in water chemistry that can harm marine and sediment ecosystems.

PCB-contaminated soil was removed from the Site in 1985 and 1993. Much of the wood waste accumulated in the upland portion of the Site was removed in 1995.

The Cleanup Process

Washington State's cleanup process and key opportunities for you to provide input are outlined in Figure 3. The general cleanup process includes the following steps:

- Remedial Investigation (RI) - investigates the site for types, locations, and amounts of contaminants.
- Feasibility Study (FS) - identifies cleanup options for those contaminants.
- Cleanup Action Plan (CAP) - selects the preferred cleanup option and explains how cleanup will be conducted.

Each of these steps is generally documented in reports and plans that will be available for public review. Public comment periods of at least 30 calendar days are usually conducted for the following documents:

- Draft RI report
- Draft FS report
- Draft CAP

These cleanup steps and documents are described in greater detail in the following subsections.

Interim Actions

Interim actions may be conducted during the cleanup if required by Ecology. An interim action partially addresses the cleanup of a site, and may be required if:

- It is technically necessary to reduce a significant threat to human health or the environment.
- It corrects a problem that may become substantially worse or cost substantially more to fix if delayed.
- It is needed to complete another cleanup activity, such as design of a cleanup plan.

Interim actions are not currently anticipated at the Bay Wood Products Site.

Remedial Investigation/Feasibility Study Report

The Port agreed to conduct an RI/FS on the Site. The RI determines which contaminants are on the Site, where they are located, and whether there is a significant threat to human health or the environment. The draft RI report provides baseline data about environmental conditions that will be used to develop cleanup options. The FS report then identifies and evaluates cleanup options, in preparation for the next step in the process.

The RI and FS processes typically include several phases:

- Scoping
- Site characterization
- Development and screening of cleanup alternatives
- Treatability investigations (if necessary to support decisions)
- Detailed analysis

The Draft RI and FS were combined into one report for the Bay Wood Products Site. The report was prepared by the Port in accordance with the Agreed Order. The report describes exposure pathways, or how contaminants move through upland soil, groundwater, and sediment, and how human health and the environment may be affected. Information about the amount and location of contaminants along with exposure pathways were used to identify cleanup alternatives for the Site.

The RI describes the contamination in upland soil, groundwater, and sediments in and surrounding the Site, and determines whether there is a significant threat to human health or the environment. RI results are discussed below.

Soil – Results indicate that soil in the upland portion of the Site has levels of carcinogenic polycyclic aromatic hydrocarbons (cPAHs) above cleanup levels. Contaminants were not found in the native or fill soil, but at two soil stockpile locations at the Site. Previous removal of PCB-contaminated soil was successful and there were no other contaminants of potential concern (COPCs) in upland soils.

Groundwater – Results indicate that groundwater in the upland portion of the Site has no COPCs.

Sediment – Chemical tests indicate that marine sediments at the Site do not have elevated concentrations of any contaminants (i.e. exceeding Ecology's Sediment Management Standards (SQS)). However, biological tests indicate surface sediments at a single location near the Site's northeastern shoreline exceed (SQS) biological criteria. This in-water portion of the Site is designated as sediment management unit 1 (SMU-1) for cleanup alternative analysis in the FS (see Figure 2). In addition, areas of potential concern for wood waste were identified at limited nearshore areas on the Site.

The purpose of the FS is to evaluate potential cleanup action alternatives and recommend a preferred cleanup action. This Draft FS addresses cleanup options for both upland and in-water portions of the Bay Wood Products Site.

Information from the RI about the amount and location of contaminants is used to understand potential risks and identify cleanup alternatives. Alternatives may include contaminant removal, capping and/or institutional controls to reduce exposure, and they may be used in different combinations. Long-term monitoring will be part of the remedy to ensure cleanup achieves its goals.

Based on the results of the RI, three cleanup action alternatives were identified and evaluated (based on regulatory criteria) to address risk on the upland portion of the Site. Additionally, three cleanup action alternatives were identified and evaluated to address risk on the in-water portion of the Site.

The preferred alternatives identified by Ecology include the following:

Upland Cleanup Alternative 3 – Alternative 3, excavation and off-site disposal, was selected as the preferred alternative for the upland portion of the Site and would include the following measures:

- Excavate soil containing cPAHs above cleanup levels
- Dispose of contaminated soil offsite
- Install construction erosion control measures
- Hydroseed the excavated area to protect against erosion

In-Water Cleanup Alternative 2 – Alternative 2, dredge and cap, was selected as the preferred alternative for the in-water portion of the Site and would include the following measures:

- Excavate and dredge approximately 3,300 cubic yards of sediment in SMU-1
- Place an engineered cap to confine remaining wood waste on the Site
- Manage the dredged material and reuse as topsoil on the Site

These preferred alternatives are protective of human health and the environment, make up a permanent solution that can be completed in a reasonable timeframe, and address public concerns at the Site.

Cleanup Action Plan

The Port and Ecology have agreed to develop a CAP for the Site. Comments on the RI/FS report will be considered as the draft CAP is prepared and a final cleanup alternative will be selected. The draft CAP explains the cleanup standards that will be applied at the Site, selects the preferred cleanup alternative(s), and outlines the work to be performed during the actual site remediation. The CAP may also evaluate the

completeness and effectiveness of any interim actions that were performed on the Site. The draft CAP will be available for public review and comment. Once public comments are reviewed and any changes are made, Ecology provides final approval and site cleanup can begin. Cleanup is anticipated to begin in the fall of 2012 and be completed in winter 2013.

3.0: Community Profile

Community Profile

Everett is Snohomish County's largest city and the sixth largest city in the State of Washington. The current population of Everett is approximately 98,000³ situated within 47.7 square miles. Located on Port Gardner Bay, Everett hosts the West Coast's second largest marina, U.S. Navy Homeport Naval Station Everett, and The Boeing Company's assembly plant. The city's 2006 labor workforce was more than 80,000, employed predominantly in technology, aerospace, and service-based industries.⁴

Key Community Concerns

An important part of the Public Participation Plan is to identify key community concerns for each cleanup site.

Many factors are likely to raise community questions, such as the amount of contamination, how the contamination will be cleaned up, or future use of the Site. Community concerns often change over time, as new information is learned and questions are answered. Identifying site-specific community concerns at each stage of the cleanup process is helpful to ensure that they are adequately addressed. On-going key community concerns will be identified for the Bay Wood Products Site through public comments and other opportunities as detailed in Section 4.

³ US Census Bureau, City & Towns Estimates Data for July 1, 2006.
<http://www.census.gov/popest/estimates.php> (Accessed September 12, 2007)

⁴ City of Everett. <http://www.everettwa.org/default.aspx?ID=314> (Accessed September 12, 2007)

4.0: Public Participation Opportunities

Ecology and the Port invite you to share your comments and participate in the cleanup in your community. As we work to meet our goals, we will evaluate whether this public participation process is successful. This section describes the public participation opportunities for this Site.

Measuring Success

We want this public participation process to succeed. Success can be measured, at least in part, in the following ways:

- Number of written comments submitted that reflect understanding of the cleanup process and the site.
- Direct “in-person” feedback about the site cleanup or public participation processes, if public meetings are held.
- Periodic updates to this plan to reflect community concerns and responses.

If we are successful, this process will increase:

- Community awareness about plans for cleanup and opportunities for public involvement.
- Public participation throughout the cleanup.
- Community understanding regarding how their input will be considered in the decision-making process.

Activities and Information Sources

Ecology Contacts

Ecology is the lead contact for questions about the cleanup in your community. The Ecology staff person identified in this section is familiar with the cleanup process and activities at the Site. For more information about public involvement or the technical aspects of the cleanup, please contact:

Isaac Standen
Ecology Site Manager
WA State Dept. of Ecology
Toxics Cleanup Program
P.O. Box 47600
Olympia, WA 98504-7600
Phone: (360) 407-6776
E-mail: Isaac.Standen@ecy.wa.gov

Ecology's Webpage

Ecology has created a webpage to provide convenient access to information. Documents such as the Agreed Order, draft reports, and cleanup plans, are posted as they are issued during the investigation and cleanup process. Visitors to the webpage can find out about public comment periods and meetings; download, print, and read information; and submit comments via e-mail. The webpage also provides links to detailed information about the MTCA cleanup process. The Bay Wood Products Site webpage is available at the following address:

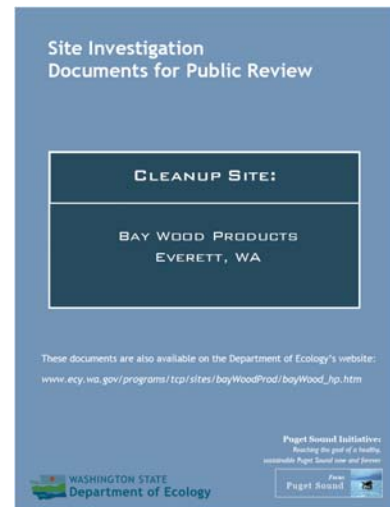
http://www.ecy.wa.gov/programs/tcp/sites/bayWoodProd/bayWood_hp.htm

Information Centers/Document Repositories

The most comprehensive source of information about the Bay Wood Products Site is the information center, or document repository. Two repositories provide access to the complete list of site-related documents. All Bay Wood Products Site investigation and cleanup activity reports will be kept in print at those two locations and will be available for your review. They can be requested on compact disk (CD) as well. Document repositories are updated before public comment periods to include the relevant documents for review. Documents remain at the repositories throughout the investigation and cleanup. For this Site, the document repositories and their hours are:

- **Everett Public Library**
2702 Hoyt Ave.
Phone: (425) 257-8010
Hours: Mon – Wed 10 am - 9 pm,
Thurs – Sat 10 am - 6 pm, Sun 1-5 pm
- **WA Department of Ecology Headquarters**
300 Desmond Drive SE
Lacey, WA 98503
By appointment. Please contact Carol Dorn at
(360) 407-7224 or Carol.Dorn@ecy.wa.gov.

Look for document covers such as the illustration on the right.



Public Comment Periods

Public comment periods provide opportunities for you to review and comment on major documents, such as the Agreed Order, draft Public Participation Plan, and the draft RI/FS report. The typical public comment period is 30 calendar days.

Notice of Public Comment Periods

Notices for each public comment period will be provided by local newspaper and by mail. These notices indicate the timeframe and subject of the comment period, and explain how you can submit your comments. For the Bay Wood Products Site, newspaper notices will be posted in The Daily Herald.

Notices are also sent by regular mail to the local community and interested parties. The community typically includes all residential and business addresses within one-quarter mile of the site, as well as potentially interested parties such as public health entities, environmental groups, and business associations.

Fact Sheets

One common format for public comment notification is the fact sheet. Like the newspaper notice, fact sheets explain the timeframe and purpose of the comment period, but also provide background and a summary of the document under review. Two fact sheets have been prepared for the Bay Wood Products Site. The first fact sheet explains the Agreed Order and this Public Participation Plan (Appendix A). The second fact sheet explains the Draft Remedial Investigation/Feasibility Study (Attachment B). Future fact sheets will be prepared at key milestones in the cleanup process.

MTCA Site Register

Ecology produces an electronic newsletter called the MTCA Site Register. This semi-monthly publication provides updates of the cleanup activities occurring throughout the state, including public meeting dates, public comment periods, and cleanup-related reports. Individuals who would like to receive the MTCA Site Register can sign up three ways:

- Call (360) 407-6069
- Send an email request to Seth.Preston@ecy.wa.gov or
- Register on-line at http://www.ecy.wa.gov/programs/tcp/pub_inv/pub_inv2.html

Mailing Lists

Ecology maintains both e-mail and regular mail distribution lists throughout the cleanup process. The list is created from carrier route delineations for addresses within one-quarter mile of the Site; potentially interested parties; public meeting sign-in sheets; and requests made in person, or by regular mail or e-mail. You may request to be on a mailing list by contacting the Ecology staff person listed earlier in this section.

Optional Public Meetings

A public meeting will be held during a comment period if requested by ten or more people, or if Ecology decides it would be useful. Public meetings provide additional opportunity to learn about the investigation or cleanup, and to enhance informed comment. If you are interested in a public meeting about the Bay Wood Products Site, please contact the Ecology staff person listed earlier in this section.

Submitting Comments

You may submit comments by regular mail or e-mail during public comment periods to the project manager listed earlier in this section.

Response to Comments

Ecology will review all comments submitted during public comment periods, and will modify documents as necessary. You will receive notice by regular mail or e-mail that Ecology has received your comments, along with an explanation about how the comments were addressed.

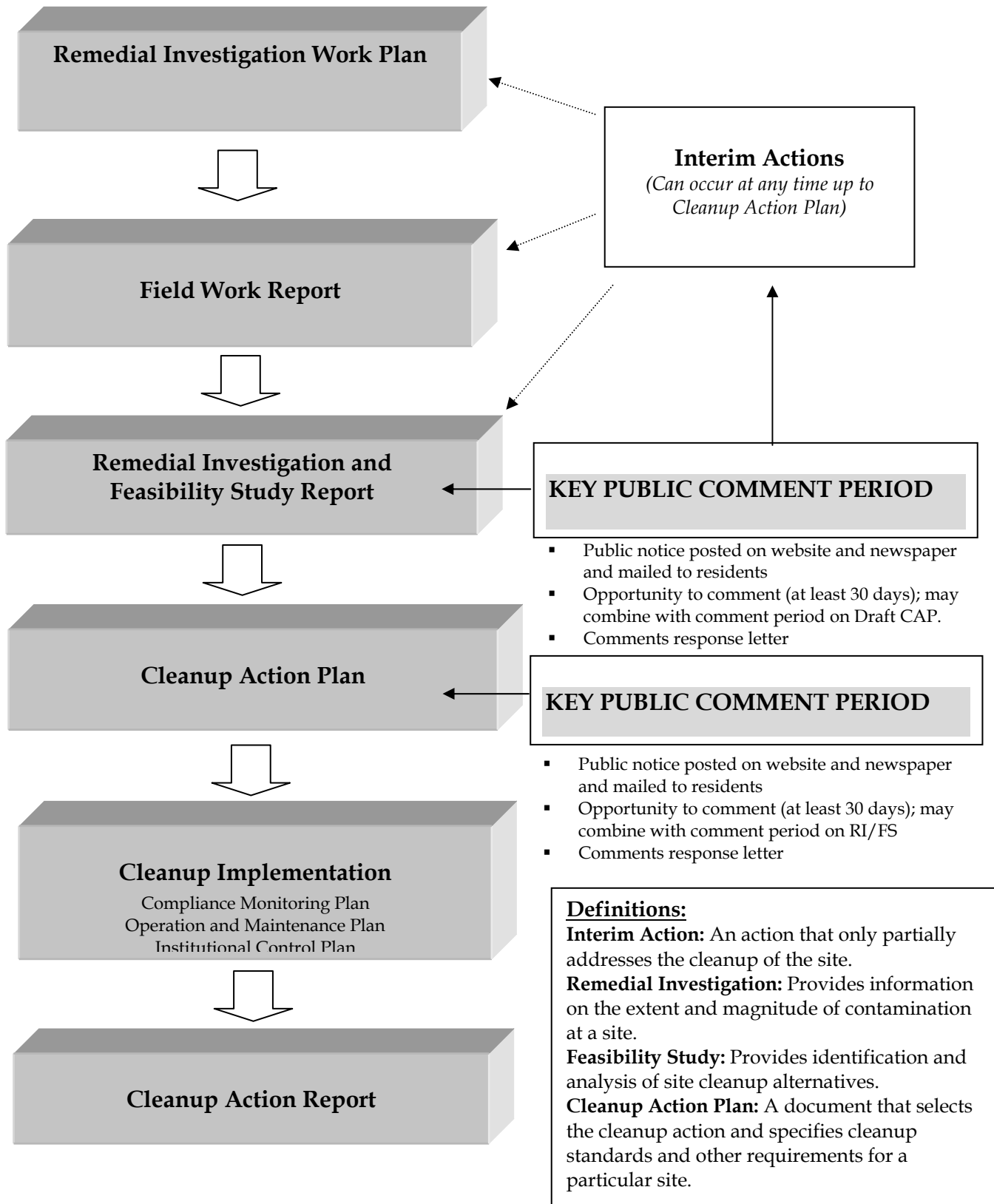
Other

Ecology and the Port are committed to the public participation process and will consider additional means for delivering information and receiving comments, including combining public comment periods for other actions (such as those associated with the State Environmental Policy Act).

Public Participation Grants

You may be eligible to apply for a Public Participation Grant from Ecology to provide additional public participation activities. Those additional activities will not reduce the scope of the activities defined by this Plan. Activities conducted under this Plan would coordinate with the additional activities defined under the grant.

Figure 3: Washington State Cleanup Process



Glossary

Cleanup: The implementation of a cleanup action or interim action.

Cleanup Action: Any remedial action except interim actions, taken at a site to eliminate, render less toxic, stabilize, contain, immobilize, isolate, treat, destroy, or remove a hazardous substance that complies with MTCA cleanup requirements, including but not limited to: complying with cleanup standards, utilizing permanent solutions to the maximum extent practicable, and including adequate monitoring to ensure the effectiveness of the cleanup action.

Cleanup Action Plan: A document that selects the cleanup action and specifies cleanup standards and other requirements for a particular site. The cleanup action plan, which follows the remedial investigation/feasibility study report, is subject to a public comment period. After completion of a comment period on the cleanup action plan, Ecology finalizes the cleanup action plan.

Cleanup Level: The concentration (or amount) of a hazardous substance in soil, water, air, or sediment that protects human health and the environment under specified exposure conditions. Cleanup levels are part of a uniform standard established in state regulations, such as MTCA.

Cleanup Process: The process for identifying, investigating, and cleaning up hazardous waste sites.

Contaminant: Any hazardous substance that does not occur naturally or occurs at greater than natural background levels.

Feasibility Study: Provides identification and analysis of site cleanup alternatives and is usually completed within a year. Evaluates sufficient site information to enable the selection of a cleanup action. The entire Remedial Investigation/Feasibility Study (RI/FS) process takes about two years and is followed by the cleanup action plan.

Hazardous Site List: A list of ranked sites that require further remedial action. These sites are published in the Site Register.

Interim Action: Any remedial action that partially addresses the cleanup of a site. It is an action that is technically necessary to reduce a threat to human health or the environment by eliminating or substantially reducing one or more pathways for exposure to a hazardous substance at a facility; an action that corrects a problem that may become substantially worse or cost substantially more to address if the action is delayed; an action needed to provide for completion of a site hazard assessment, state remedial investigation/feasibility study, or design of a cleanup action.

Model Toxics Control Act: Refers to Chapter 70.105D RCW. Voters approved it in November 1988. The implementing regulation is found in Chapter 173-340 WAC.

Public Notice: At a minimum, adequate notice mailed to all persons who have made a timely request of Ecology and to persons residing in the potentially affected vicinity of the proposed action; mailed to appropriate news media; published in the local (city or county) newspaper of largest circulation; and the opportunity for interested persons to comment.

Public Participation Plan: A plan prepared under the authority of WAC 173-340-600 to encourage coordinated and effective public involvement tailored to the public's needs at a particular site.

Release: Any intentional or unintentional entry of any hazardous substance into the environment, including, but not limited to, the abandonment or disposal of containers of hazardous substances.

Remedial Action: Any action or expenditure consistent with MTCA to identify, eliminate, or minimize any threat posed by hazardous substances to human health or the environment, including any investigative and monitoring activities of any release or threatened release of a hazardous substance, and any health assessments or health effects studies conducted in order to determine the risk or potential risk to human health.

Remedial Investigation: Any remedial action that provides information on the extent and magnitude of contamination at a site. This usually takes 12 to 18 months and is followed by the feasibility study. The purpose of the Remedial Investigation/Feasibility Study is to collect and develop sufficient site information to enable the selection of a cleanup action.

APPENDIX A
Fact Sheet for Agreed Order
and
Public Participation Plan

Site Investigation Documents Available for Public Review and Comment



A PUGET SOUND INITIATIVE site

Reaching the goal of a healthy, sustainable
Puget Sound.

Ecology Wants your Input!

Ecology is asking for your comments on a new proposed agreement to study a site on Puget Sound for cleanup. This Site, Bay Wood Products, is one of several located on the waterfront that will be studied for cleanup under the state's Puget Sound Initiative.

Bay Wood Products is generally located at 200 West Marine View Drive on Port Gardner Bay, in Everett, Snohomish County, WA. This is just west of the Legion Memorial Golf Course, on the Snohomish River waterfront in western Everett.

You are invited to:

- **Review** the Agreed Order and Public Participation Plan.
- **Send** your comments to Ecology for consideration. Comments will be accepted *August 25 through September 24, 2008*.

See the box on the right for details about where to review documents and submit comments.

Site Background

Bay Wood Products is located on fill that was placed in Port Gardner Bay. Lumber and mill operations began on this Site around 1936. In 1979, Bay Wood Products removed the sawmill and used the Site for log handling and storage until 1994. Site features during Bay Wood Products operations included office and shop buildings, a covered shed, oil drums, electrical transformers, above-ground fuel storage tanks, and log rafts. These features have been removed, and the Site is currently vacant. The following contaminants have been found on the Site in upland soil:

- Polychlorinated biphenyls (PCBs)
- Petroleum products.

In addition, wood waste was also found in upland soil in adjacent

Comments Accepted

August 25 - September 24, 2008

Submit Comments and Technical Questions to:

Isaac Standen - Site Manager
WA Department of Ecology
Toxics Cleanup Program
P.O. Box 47600
Olympia, WA 98504-7600
Phone: (360) 407-6776
E-mail: ista461@ecy.wa.gov

DOCUMENT REVIEW LOCATIONS

Everett Public Library

2702 Hoyt Ave
Everett, WA 98201
Phone: (425) 257-8010

Hours: Mon.-Wed. 10 a.m.-9 p.m.,
Thurs.-Sat. 10 a.m.-6 p.m., Sun. 1-5
p.m.

WA Department of Ecology Headquarters

300 Desmond Drive SE
Lacey, WA 98503

By appointment only:
Contact Carol Dorn,
cesg461@ecy.wa.gov or
(360) 407-7224

Ecology's Toxics Cleanup Website

http://www.ecy.wa.gov/programs/tcp/sites/bayWoodProd/bayWood_hp.htm

Facility Site ID #: 4438651

in-water areas (imbedded in the sediments). Wood waste smothers near-shore habitat and animals such as clams, and can cause changes in water chemistry that can harm marine and sediment ecosystems.

PCB-contaminated soil was removed from the Site in 1985 and 1993. Much of the wood waste accumulated in the upland area was removed in 1995. However, more study is needed to fully characterize the contamination at the Bay Wood Products Site.

Overview of the Agreed Order

The proposed agreement, called an Agreed Order, is a legal document between Ecology and the Site owner, the Port of Everett. The Agreed Order describes the studies that the Port agrees to perform on the Site.

The Agreed Order covers the following studies and documents:

- Remedial Investigation and Feasibility Study (RI/FS). It explains the work needed to look for and analyze contamination in soil, ground water, and sediments.
- RI/FS report. It presents the results of the study and proposes alternatives for cleanup actions.
- Draft Cleanup Action Plan (CAP). It uses RI/FS information to identify a preferred cleanup action and a schedule to remediate the contamination.

The purpose of the Agreed Order is to protect human health and the environment by insuring that remedial actions will be conducted at a site where a release of hazardous substances has occurred. It ensures that cleanup happens in a timely manner and according to Washington State's cleanup law, the Model Toxics Control Act.

Overview of the draft Public Participation Plan

Ecology and the Port are committed to providing the public with timely information and meaningful opportunities to participate in the cleanup process. As part of this commitment, Ecology and the Port agree to provide a public participation plan. This plan outlines how citizens and interested parties can learn about and provide input on the cleanup.

Your comments and ideas are needed to improve the cleanup. The public participation plan explains how Ecology will do the following:

- Notify the public when and where documents are available for review and comment.
- Notify the public about how they can become involved.
- Provide public participation opportunities.
- Consider public comments in cleanup decisions.

Why This Cleanup Matters

Protecting and restoring Puget Sound

Governor Chris Gregoire and the Washington State Legislature approved the Puget Sound Initiative. One of the objectives of the Initiative is to protect and restore Puget Sound, cleaning up 50-60 sites within one-half mile of the Sound. One of these is the Bay Wood Products Site. These cleanup actions will help to reduce pollution and restore habitat and shorelines in Puget Sound.

Several baywide areas in the Sound have been identified as high priority cleanup areas as part of this Initiative, including: Port Gamble, Dumas Bay, Padilla and Fidago Bay, Port Angeles, Budd Inlet, and Port Gardner.



Bay Wood Products

Other Port Gardner baywide sites include:

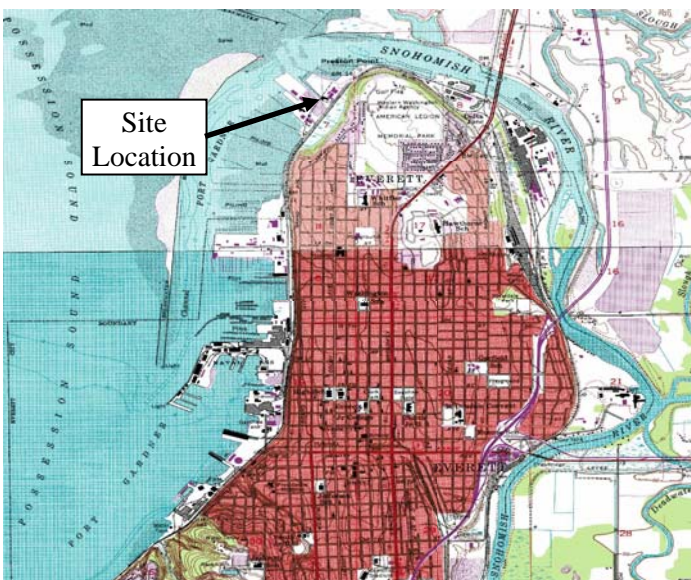
- JELD-WEN Site: A wooden door plant, located at 300 West Marine View Drive.
- Everett Shipyard Site: A ship repair facility, located at 1016 14th Street.
- North Marina West End Site: A marine services and general industrial site, located between 11th and 14th Streets at West Marine View Drive.

For more information about the sites in Port Gardner Bay, contact Andy Kallus at (360) 407-7259 or akal461@ecy.wa.gov, or go to: <http://www.ecy.wa.gov/programs/tcp/cleanup.html>.

What Happens Next?

Once the public comment period ends, Ecology will review and consider all comments that have been received. The Agreed Order and draft public participation plan may be modified based upon your comments.

The Bay Wood Products Site is located at 200 West Marine View Drive, on Port Gardner Bay, Everett, WA. (Map Source: USGS 7.5 Minute Quadrangle Maps for Everett and Marysville Quadrangles; Photo Revised – 1968 and 1973; Photo Source: Imagery: I-Cubed, 2006; Acquired: Via ArcGIS Explorer by ESRI on 1/25/2008)



As future documents on the Site are developed, you will be notified of additional public comment periods.

What can you do?

1. Read about the cleanup in this handout.
2. To get more detailed information, review the supporting documents at the locations listed on the back page.
3. Write down your comments and questions. Send them to the Department of Ecology at the address shown on the back page.

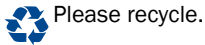
We appreciate your comments and concerns. Thank you.

For information about other Ecology public comment periods, meetings, workshops, hearings, and open houses, please visit Ecology's public events calendar at: <http://apps.ecy.wa.gov/pubcalendar/calendar.asp>





PO Box 47600
Olympia, WA 98504-7600



Please recycle.

Bay Wood Products, Everett Snohomish County, WA

Ecology Seeks Public Comment on Draft Site Investigation Documents

**Public Comment Period:
August 25 through September 24, 2008**

Facility Site ID #: 4438651

Help with other languages and formats?

If you need this publication in an alternate format, please call the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.

APPENDIX B
Fact Sheet for
Remedial Investigation/
Feasibility Study

Investigation and Cleanup Documents Available for Public Review and Comment



A PUGET SOUND INITIATIVE Site

Reaching the goal of a healthy, sustainable Puget Sound.

Ecology Wants Your Input!

The Department of Ecology is asking for your comments on plans to clean up a site in Port Gardner Bay. The Bay Wood Products Site is one of several sites within Port Gardner Bay that Ecology is cleaning up. The Site is generally located at 200 West Marine View Drive in Everett, Snohomish County, WA. This is just west of the Legion Memorial Golf Course, on the Snohomish River waterfront in western Everett. Port Gardner Bay is one of several embayments in Puget Sound that Ecology is studying and cleaning up under the state's Puget Sound Initiative.

You are invited to comment on the following document:

- **Draft Remedial Investigation/Feasibility Study (RI/FS)**

Ecology will accept comments from *June 2 through July 5, 2011*. See the box on the right for details about where to review the document and submit comments.

Site Background

Bay Wood Products is located on fill that was placed in Port Gardner Bay. Lumber and mill operations began on this Site around 1936. In 1979, Bay Wood Products, Inc. removed the sawmill and used the Site for log handling and storage until 1994. Site features during Bay Wood Products operations included office and shop buildings, a covered shed, oil drums, electrical transformers, above-ground fuel storage tanks, and log rafts. These features have been removed, and the Site is currently vacant.

Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) have been found on the Site in

Comments Invited

June 2 through July 5, 2011

Submit Comments and Technical Questions to:

Isaac Standen - Site Manager
WA Department of Ecology
Toxics Cleanup Program
P.O. Box 47600
Olympia, WA 98504-7600
Phone: (360) 407-6776
E-mail: Isaac.Standen@ecy.wa.gov

Document Review Locations

Everett Public Library

2702 Hoyt Avenue
Everett, WA 98201
Phone: (425) 257-8000
Hours: Mon – Wed 10 am - 9 pm
Thurs – Sat 10 am - 6 pm
Sun 1 - 5 pm

WA Department of Ecology

Headquarters

300 Desmond Drive SE
Lacey, WA 98503

By appointment only:
Contact Carol Dorn
Carol.Dorn@ecy.wa.gov or
(360) 407-7224

Ecology's Toxics Cleanup Website

http://www.ecy.wa.gov/programs/tcp/sites/bayWoodProd/bayWood_hp.htm

Facility Site ID #: 4438651

Bay Wood Products Site

upland soil. In addition, wood waste was found in upland soils and in adjacent in-water areas (imbedded in the sediments). Wood waste can smother near-shore habitat and animals such as clams, and can cause changes in water chemistry that can harm marine and sediment ecosystems.

PCB-contaminated soil was removed from the Site in 1985 and 1993, and much of the wood waste accumulated in the upland area was removed in 1995.

Draft Remedial Investigation/ Feasibility Study

The Draft RI and FS were combined into one report for the Bay Wood Products Site. The report was prepared by the Port of Everett under an Agreed Order (legal agreement) with Ecology. The report describes *exposure pathways*, or how contaminants move through upland soil, groundwater, and sediment, and how human health and the environment may be affected. Information about the amount and location of contaminants along with exposure pathways were used to identify *cleanup alternatives* for the Site.

Overview of the Remedial Investigation

The RI describes the contamination in upland soil, groundwater, and sediments in and surrounding the Site, and determines whether there is a significant threat to human health or the environment. RI results are discussed below.

Soil – Results indicate that soil in the upland portion of the Site has levels of carcinogenic polycyclic aromatic hydrocarbons (cPAHs) above cleanup levels. Contaminants were not found in the native or fill soil, but at two soil stockpile locations at the Site. Previous removal of PCB-contaminated soil was successful, and there were no other

contaminants of potential concern (COPCs) in upland soils.

Groundwater – Results indicate that groundwater in the upland portion of the Site has no COPCs.

Sediment – Chemical tests indicate that marine sediments at the Site do not have elevated concentrations of any chemical contaminants (i.e., exceeding Ecology's Sediment Management Standards (SQS)). However, biological tests indicate surface sediments at a single location near the Site's northeastern shoreline exceed SQS biological criteria. This in-water portion of the Site is designated as sediment management unit 1 (SMU-1) for cleanup alternative analysis in the FS (see Figure 2). SMU-1 coincides with areas identified as being of potential concern for wood waste.

Overview of the Feasibility Study

The purpose of the FS is to evaluate potential cleanup action alternatives and recommend a preferred cleanup action. This Draft FS addresses cleanup options for both upland and in-water portions of the Bay Wood Products Site.

Information from the RI about the amount and location of contaminants is used to understand potential risks and identify cleanup alternatives. Alternatives may include contaminant removal, capping and/or institutional controls to reduce exposure, and they may be used in different combinations. Long-term monitoring will be part of the remedy to ensure cleanup achieves its goals.

Based on the results of the RI, three cleanup action alternatives were identified and evaluated (based on regulatory criteria) to address risk on the upland portion of the Site. Additionally, three cleanup action alternatives

Bay Wood Products Site

were identified and evaluated to address risk on the in-water portion of the Site.

The preferred alternatives identified by Ecology include the following:

Upland Cleanup Alternative 3 – Alternative 3, excavation and off-site disposal, was selected as the preferred alternative for the upland portion of the Site and would include the following measures:

- Excavate soil containing cPAHs above cleanup levels
- Dispose of contaminated soil offsite
- Install construction erosion control measures
- Hydroseed the excavated area to protect against erosion

In-Water Cleanup Alternative 2 – Alternative 2, dredge and cap, was selected as the preferred alternative for the in-water portion of the Site and would include the following measures:

- Excavate and dredge approximately 3,300 cubic yards of sediment in SMU-1
- Place an engineered cap to confine remaining wood waste on the Site
- Manage the dredged material and reuse as topsoil on the Site

These preferred alternatives are protective of human health and the environment, make up a permanent solution that can be completed in a reasonable timeframe, and address public concerns at the Site.

Why This Cleanup Matters

Protecting and restoring Puget Sound

Governor Chris Gregoire and the Washington State Legislature established the Puget Sound Initiative to protect and restore Puget Sound.

Seven embayments in Puget Sound have been identified as high-priority cleanup areas as part of this Initiative, including Port Gamble, Dumas Bay, Padilla and Fidalgo Bays, Port Angeles, Budd Inlet, and Port Gardner Bay. Combined, this work includes cleaning up 50-60 sites within one-half mile of the Sound. One of these is the Bay Wood Products Site. These cleanup actions will help to reduce pollution and restore habitat and shorelines in Puget Sound.

For more information about other cleanup sites: http://www.ecy.wa.gov/programs/tcp/sites/sites_information.html

What Happens Next?

Once the public comment period ends on July 5, Ecology will review and consider all comments. Cleanup documents may be modified based on your comments. The Public Participation Plan for this Site is updated and has more information about the cleanup process and how you can get involved. Ecology will notify you about future cleanup work and public comment periods.

For information about other Ecology public comment periods, meetings, and other events, please visit Ecology's public events calendar at: <http://apps.ecy.wa.gov/pubcalendar/calendar.asp>.

What can you do?

1. Read about the cleanup in this handout.
2. To get more detailed information, review the supporting documents at the locations listed on page one.
3. Write down your comments and questions. Send them to the Department of Ecology at the address shown on page one.

We appreciate your comments and concerns.
Thank you.

Bay Wood Products Site



Figure 1. The Bay Wood Products Site is located at 200 West Marine View Drive on Port Gardner Bay in Everett, WA. (Figure 1-1 from the RI/FS)



Figure 2. Parcel map of the Bay Wood Products Site and approximate location of the sediment management unit (SMU-1) in the in-water portion of the Site. (Modified Figures 1-2 and 11-1 from the RI/FS)



DEPARTMENT OF
ECOLOGY
State of Washington

Toxics Cleanup Program
PO Box 47600
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Bay Wood Products Site, Everett Snohomish County, WA

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