RESPONSIVENESS SUMMARY

Hardel Mutual Plywood

March 22 – April 20, 2012 Public Comment Period

RI/FS and Draft Cleanup Action Plan

Prepared by
Washington State Department of Ecology
Southwest Regional Office
Toxics Cleanup Program
Lacey, Washington

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Contents

Site Information

Address: 1210 West Bay Drive NW, Olympia
Site Manager: Guy Barrett
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In 2012, Ecology held a public comment period on draft cleanup plans for the Hardel Mutual Plywood site from March 22 – April 20, 2012. The following documents were available for public review and comment:

- Remedial Investigation
- Feasibility Study
- Draft Cleanup Action Plan

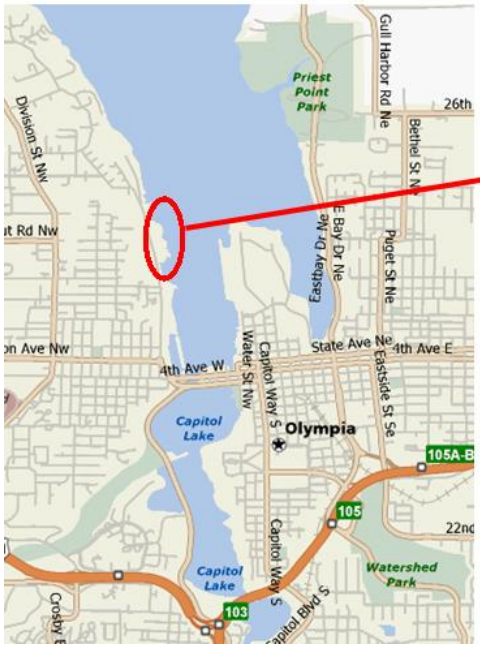
Public comments and Ecology's responses for these comment periods are summarized in this document.

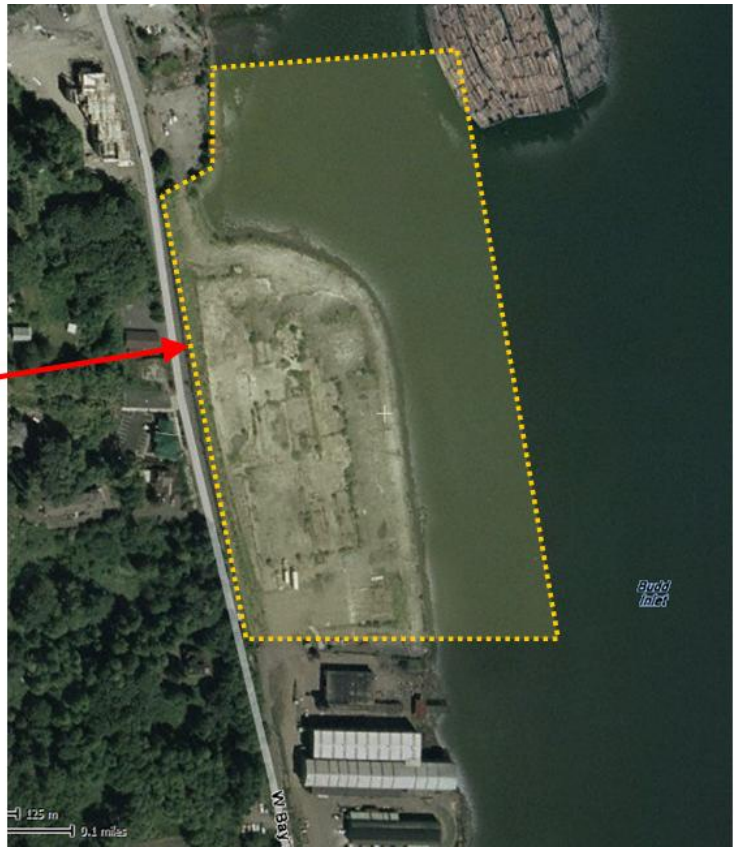
Site Background

In the past, the Hardel Mutual Plywood site was used for logging and lumber related businesses. Past activities contaminated soil and groundwater with petroleum hydrocarbons and polycyclic aromatic hydrocarbons.

While investigating the site, Hardel found that some contamination was moving toward Budd Inlet. In 2010, Ecology held a public comment period and approved an interim action. After completing the interim action, Hardel sampled groundwater for one year. Since they found no contaminants above cleanup levels, Ecology now considers the cleanup complete. You can read more about the cleanup in the draft Cleanup Action Plan.

Site Location





Comment #1: Harry Branch

Greetings,

Regarding Hardel: How many samples were assessed for dioxin? I see three contained dioxin. Were other samples taken and assessed that did not contain dioxin? Were samples that contained PAHs also assessed for dioxin?

Harry Branch

Ecology Response

Thank you for your question. During the remedial investigation of the Hardel Mutual Plywood site, four surface sediment samples were collected at three locations (sample GS-3 was a split sample of GS-2). The sediment samples were analyzed for metals, pesticides, PCBs, semi-volatile organic compounds, sulfide, total organic carbon, particle size, total solids, nitrogen automated phenate (ammonia) and dioxins.

The sediment samples were found to contain dioxin concentrations reported as Total 2,3,7,8-TCDD between 18 ng/KG and 41 ng/KG. Although sampling performed by Ecology in 1998 near Hardel outfalls did not exhibit elevated levels, Ecology requested that dioxins be included in the sediment investigation at this site since dioxins are present in sediment elsewhere in Budd Inlet.

Based on the history of site use and previous environmental investigations, the potential contaminants of concern for the uplands at this site included total petroleum hydrocarbons (primarily as heavy oil and diesel), polyaromatic hydrocarbons (PAHs), phenols, and pH. Upland soil samples were therefore not analyzed for dioxins.