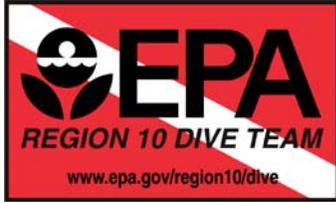


US EPA ARCHIVE DOCUMENT



[EPA Region 10 Dive Team](#)

Diver Core Sample Collection, Portland Harbor Superfund Site, Terminal 4

What: The EPA Region 10 Dive Team assisted the Superfund program in conducting sampling at Terminal 4 within the Portland Harbor Superfund Site.

Why: Divers collected core samples to assist the Project Manager in recommending cleanup actions for this Non-Time Critical Removal.

Where: Under piers located at Terminal 4 at 11040 N. Lombard, Portland, OR approx. Latitude 45° 36.0' N Longitude 122° 46.3' W.

When: March, 2004.

How: Divers utilized three and one foot core tubes depending on the depth of sediment. In rip-rap areas, jars were used to collect surface sediment. Due to frequent combined sewer overflow (CSO) in the Portland area, decon procedures were necessary. See the [safety / SOP](#) page for more information on diver decon and polluted water scientific diving.

Results: Divers found that most under pier areas were covered with rip-rap and that available sediment for sampling was limited. At the berth between Slip 3 and Wheeler Bay, substantial sediment depth was encountered, allowing the three foot core tubes to be used.

More Details: <http://yosemite.epa.gov/R10/CLEANUP.NSF/sites/T4>

Contact: Sean Sheldrake, sheldrake.sean@epa.gov.

Photos:



Divers under pier in slip1



Diver with 1 foot cores and jars.



Sampling in low visibility: Diver collecting a jar sample off the bottom where there was core refusal.



The *Monitor* in Wheeler Bay
with divers in
the water under-pier



Divers

entering the
water off the
EPA vessel *Monitor*

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