



United Heckathorn Superfund Site

October 16, 2012





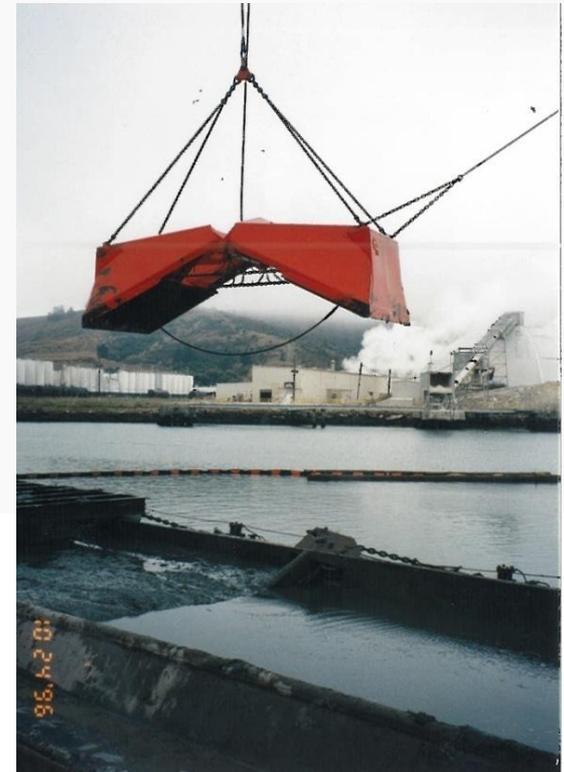
Outline

- Site background
- Current site status
- Removal action
- Field work update
- 2012 mussel results
- Upcoming work and schedule
- Community involvement



Cleanup History

- Initial response (1990-1998)
 - 3,300 cubic yards of DDT-contaminated soil removed from upland area
 - Dredged 107,000 cubic yards of contaminated sediment (3 tons DDT) from Lauritzen Channel and Parr Canal
 - Capped upland area with concrete to prevent erosion
- Monitoring and additional investigations
 - Sampling of fish, mussels, sediment, and water
 - Source investigations: embankment sampling, capping a drain pipe, fluid mud study
 - Five Year Reviews in 2001, 2006, and 2011





United Heckathorn Site





Current Site Status

- The upland cap remains intact and protective.
- DDT levels in the Inner Richmond Harbor, Santa Fe Channel and Parr Canal have decreased significantly.
- DDT levels in Lauritzen Channel are elevated and pose a potential long-term risk to human health through consumption of fish.
- DDT levels in Lauritzen Channel pose a potential ecological risk to fish-eating birds and mammals.



Preventing Exposure

- Fenced area around Lauritzen Channel prevents access; active marine terminal subject to homeland security requirements
- State of California recently updated fish advisory; new fish advisory signs posted





Removal Action

- EPA contractors mobilized on October 15, 2012
- EPA is installing a flap-gate on the outfall at the end of the Lauritzen channel to prevent contaminated sediment from re-entering the storm drains
- EPA will clean out sediment that has accumulated in the storm drains adjacent to the outfall. Expected demobilization: November 2012





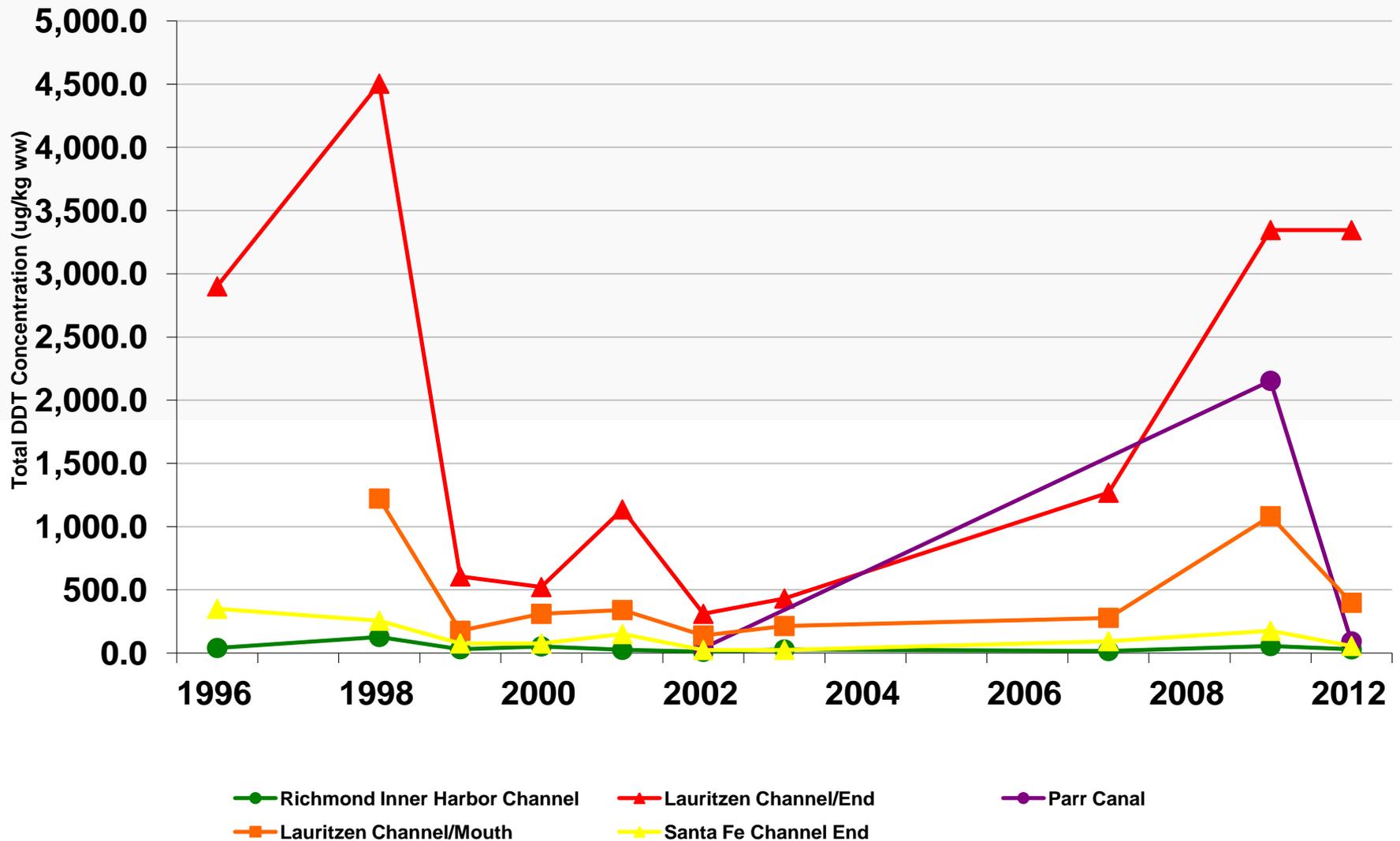
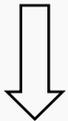
Update on Field Work

- Report with 2012 passive sampler data expected November 2012
- Mussel data from 2012 sampling
- Contract awarded for next phase of work



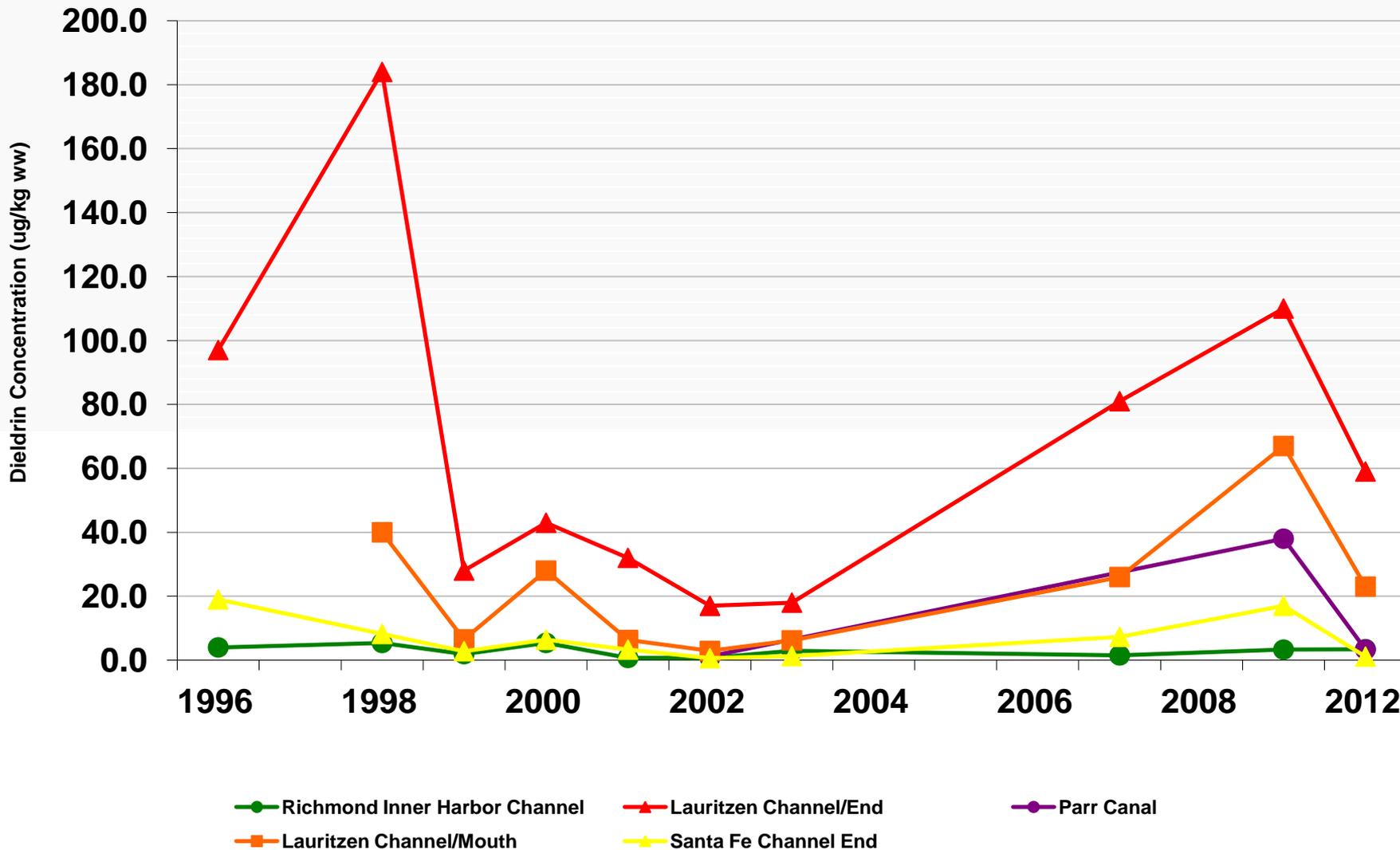


Mussel Data- DDT





Mussel Data- Dieldrin



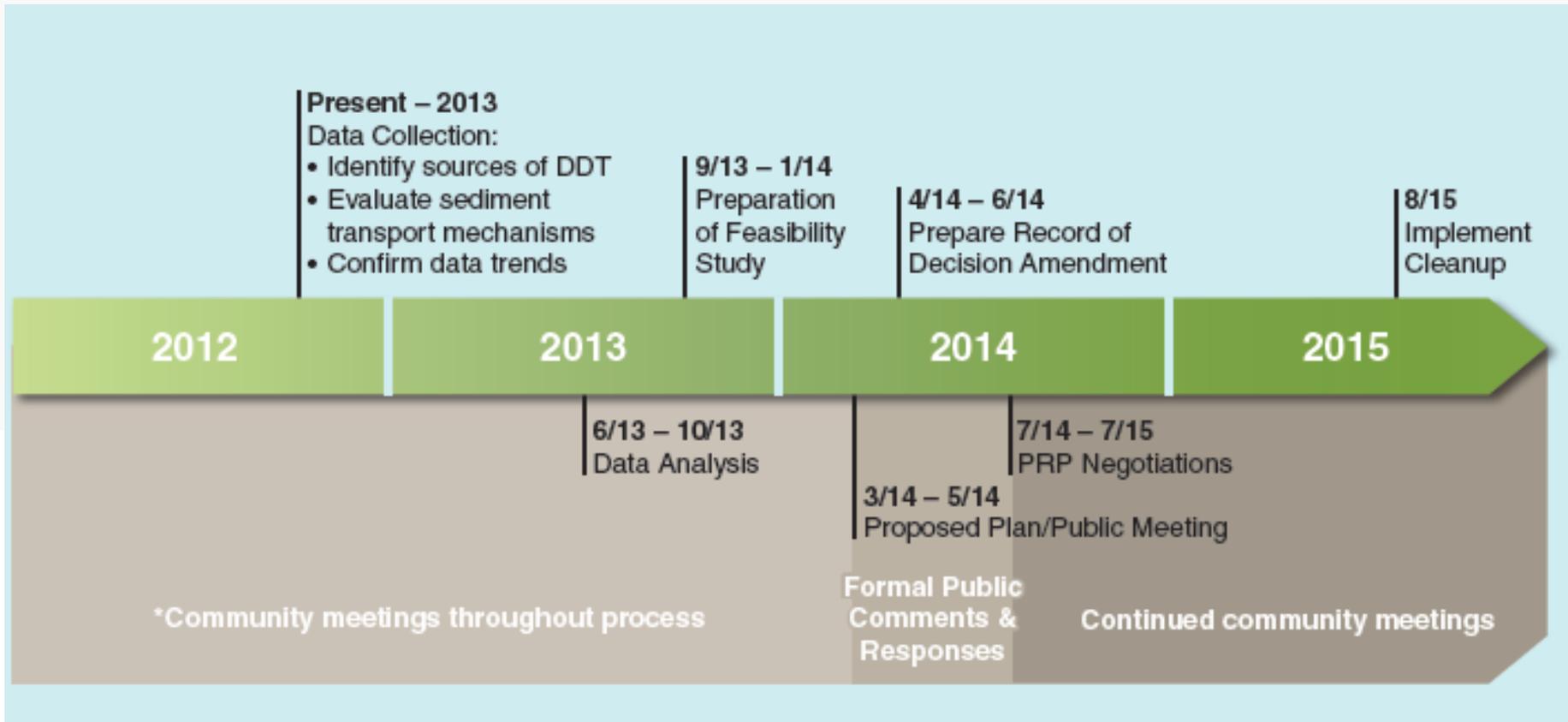


Ongoing 2012-2013 Field Work

| Task | Field Date | Lab Analysis | Information Collected |
|---|-------------------------|----------------|--|
| Install flap-gate on outfall | Fall 2012 | Not applicable | Prevent DDT contaminated sediment in channel from entering outfall |
| Bathymetric study | Fall 2012 | 2 to 3 months | Establish areas of deposition and erosion |
| Evaluate other potential DDT sources | Fall 2012 – Winter 2013 | 2 to 3 months | Establish source(s) to control |
| Fish sampling | Winter 2013 | 2 to 3 months | Evaluate DDT and dieldrin Trends |
| Evaluate net flux of sediment in and out of channel | Spring 2013 | 2 to 3 months | Determine quantity of sediment moving in and out of channel |
| Evaluate resuspension of DDT during ship traffic | Spring 2013 | 1 to 2 months | Determine amount of DDT resuspended and bioavailable |
| Sediment sampling | Spring 2013 | 2 to 3 months | Evaluate DDT and dieldrin Trends |



Cleanup Schedule





Community Involvement

EPA held a technical assistance workshop on July 9, 2012

Technical Assistance Needs Assessment (TANA) completed October 2012

EPA will hold a follow-up meeting to discuss the recommendations in the TANA:

December 3, 2012

6 – 8 PM

RichmondBUILD III Facility

500 23rd street

Richmond, CA

A flyer for the EPA's United Heckathorn Technical Assistance Workshop. The flyer is titled "EPA Invites the Community to a United Heckathorn Technical Workshop" and includes the EPA logo. It states that the U.S. Environmental Protection Agency (EPA) invites the community to participate in a Technical Assistance Workshop related to the United Heckathorn Superfund Site Cleanup Action Plan. The flyer lists the following activities: "At the Workshop we will: Update the community on the Site Cleanup Action Plan; Give an overview of the Technical Assistance Services for Communities (TASC) Program; Conduct a Needs Assessment (to better understand the technical assistance needs of the community)". It also includes an aerial photograph of the site and a photo of people at a workshop. The workshop is scheduled for Monday, July 9, 2012, from 5:30 p.m. to 8:00 p.m. at the RichmondBUILD III Facility, 500 23rd Street, Richmond, CA. Contact information for Jackie Lane, Community Involvement Coordinator, is provided: (415) 972-3236 or lane.jackie@epa.gov. For more information on EPA's Technical Assistance resource, go to web page at: http://www.epa.gov/superfund/community/resources.htm. For more information on the Site cleanup, contact Penny Reddy, Remedial Project Manager at (415) 972-3108 or email her at reddy.penny@epa.gov. For more Site information, go to EPA web page at: www.epa.gov/region09/UnitedHeckathorn.



Contact Information

Please contact us if you have any questions about the cleanup or community involvement, or would like to be added to the site mailing list:

- Rachelle Thompson (EPA Project Manager)
415-972-3962; thompson.rachelle@epa.gov
- Jackie Lane (EPA Community Involvement Coordinator)
415-972-3236; lane.jackie@epa.gov

Information on the United Heckathorn Cleanup:
www.epa.gov/region09/unitedheckathorn