



United Heckathorn Superfund Site

October 16, 2012





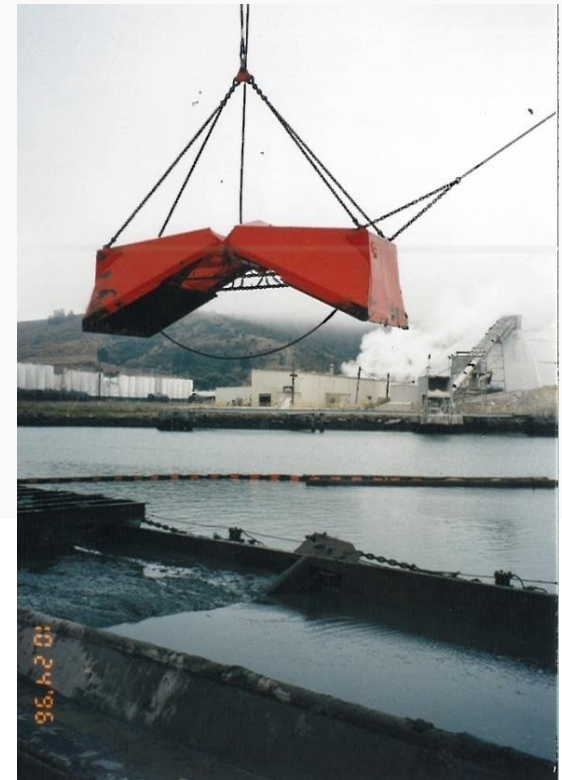
Outline

- 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





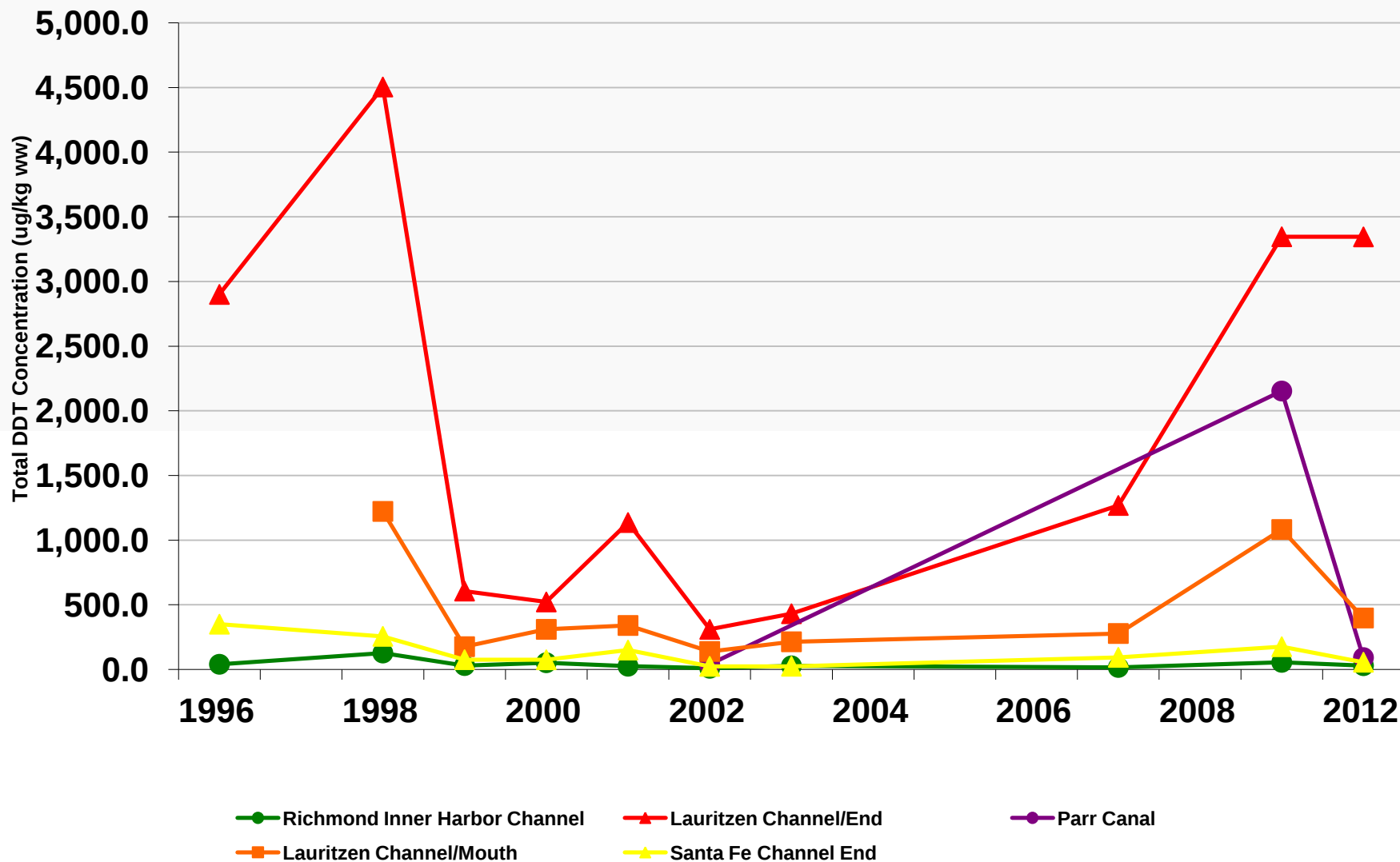
Update on Field Work

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



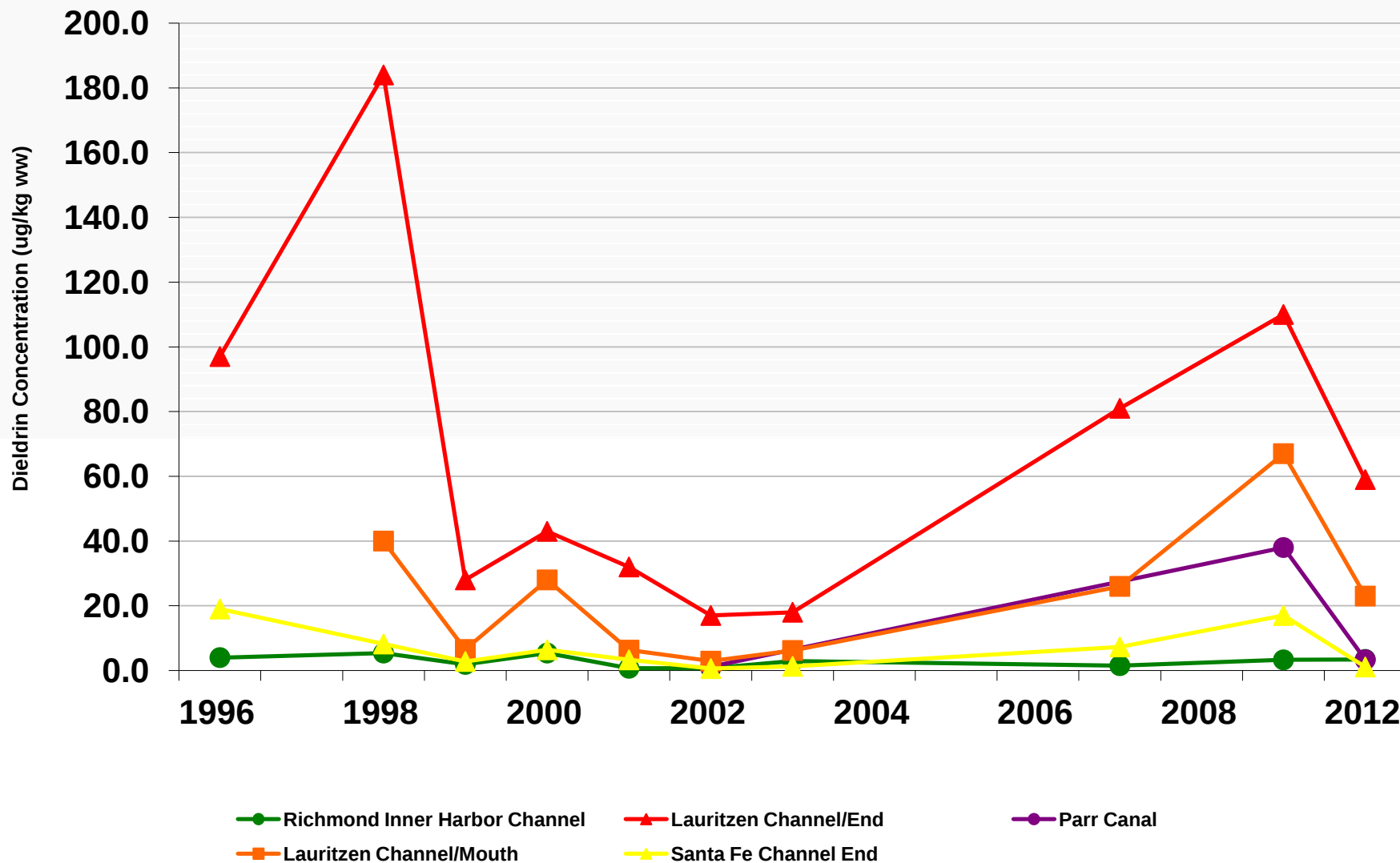


Mussel Data- DDT





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

Present – 2013

Data Collection:

- Identify sources of DDT
- Evaluate sediment transport mechanisms
- Confirm data trends

9/13 – 1/14
Preparation
of Feasibility
Study

4/14 – 6/14
Prepare Record of
Decision Amendment

8/15
Implement
Cleanup

2012

2013

2014

2015

6/13 – 10/13
Data Analysis

3/14 – 5/14
Proposed Plan/Public Meeting

7/14 – 7/15
PRP Negotiations

*Community meetings throughout process

Formal Public
Comments &
Responses

Continued community meetings



Community Involvement

EPA held a technical assistance workshop on July 9, 2012

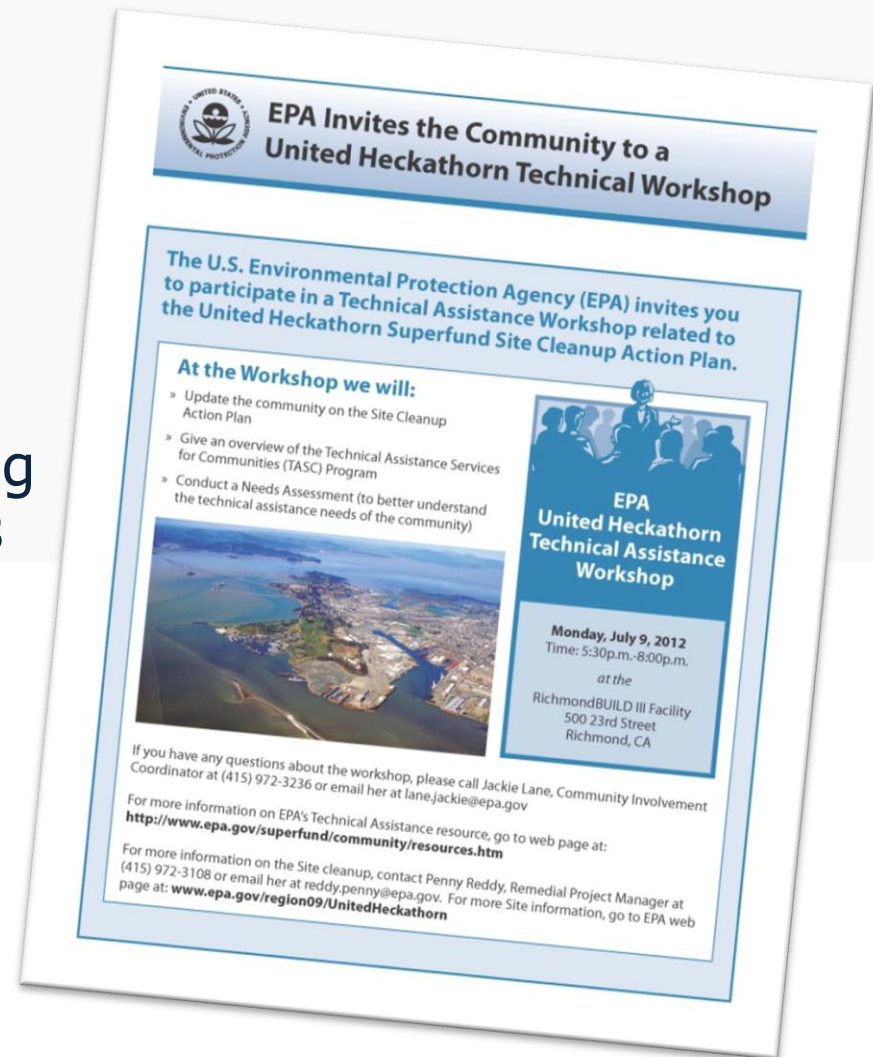
Technical Assistance Needs Assessment (TANA) completed October 2012

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





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)
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- Jackie Lane (EPA Community Involvement Coordinator)
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Information on the United Heckathorn Cleanup:
www.epa.gov/region09/unitedheckathorn