

Hunters Point Naval Shipyard Environmental Cleanup Program Update

**Hunters Point Shipyard Citizens Advisory Committee
Environmental & Reuse Subcommittee Meeting**

September 16, 2024

Michael Pound – BRAC Environmental Coordinator

Agenda

Topic

- Introductions
- Five Year Review – Next Steps
- Parcel F Record of Decision (ROD)
- Parcel B Installation Restoration Site 10 (IR-10) Update
- Next Navy HPS CAC E&R Meeting
- Contacts
- Questions

Five Year Review Outcome and Next Steps



Five Year Review Collaboration

Successful Collaboration using a mixture of Partnering and Facilitated Meetings:

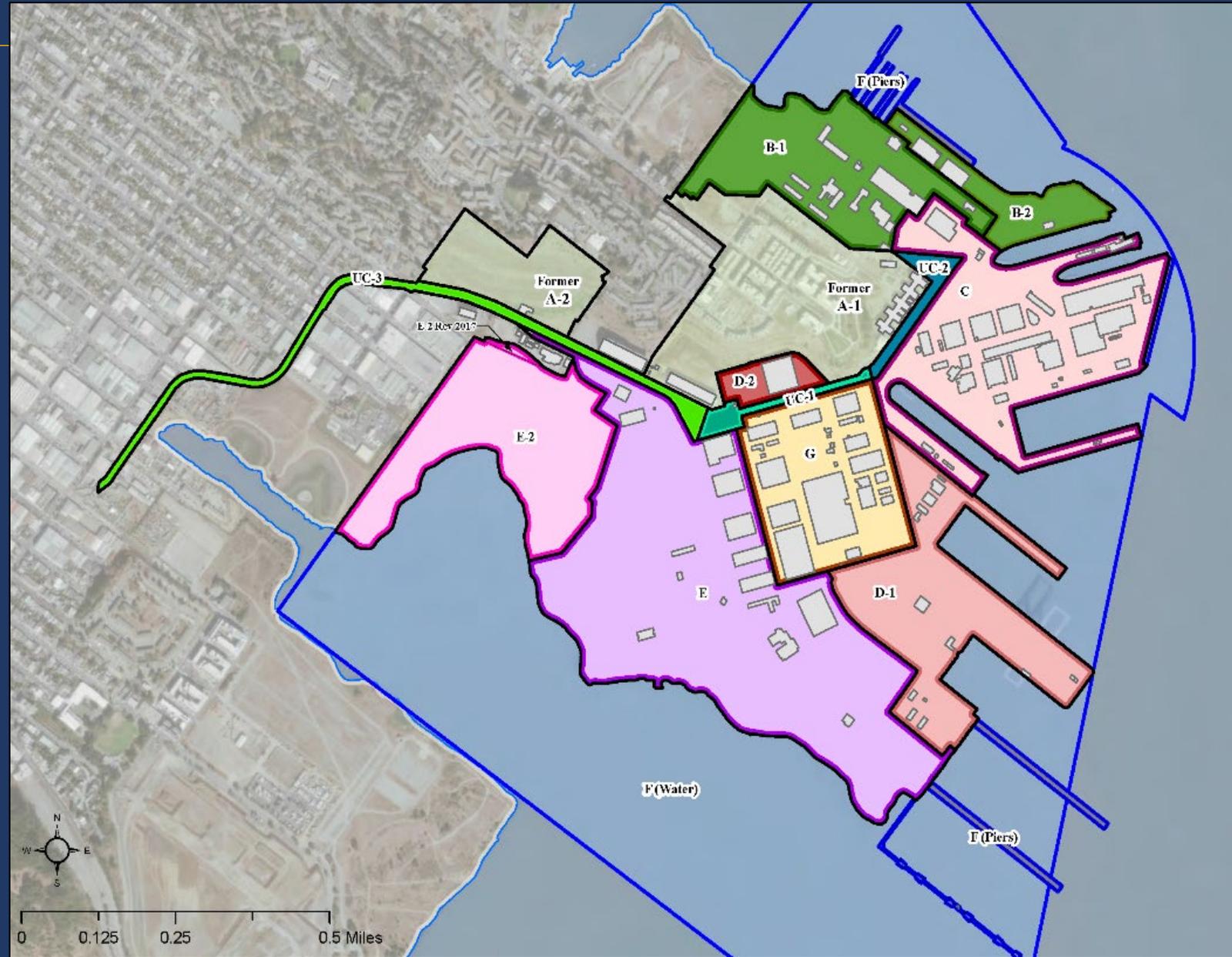
- 06 Dec Topic During Partnering - Schedule for Document and Outreach Activities
- 09 Jan Parcels D/UC Discussion/Presentation
- 22 Jan Public Presentation at CAC
- 23 Jan Climate Resiliency Assessment Discussion/Presentation
- 23 Jan Regulator Site Walk
- 08 Feb Parcel B Discussion/Presentation
- 21 Feb Parcel E Discussion/Presentation
- 12 Mar Parcel C Discussion/Presentation
- 13 Mar Topic During Partnering
- 22 Apr Public Workshop on Climate Resiliency Assessment
- 25 Apr Response To Comment Meeting (Facilitated)
- 15 May Response To Comment Meeting (Facilitated)
- 15 May Response To Comment Meeting (Facilitated)
- 30 May Meeting with San Francisco Department of Public Health
- 13 Jun Topic During Partnering
- 24 Jun Public Presentation at CAC
- 23 Jul Final Response To Comment Meeting (Facilitated)

Five Year Review: Navy and Regulatory Agency Findings-Differences

Parcel	Navy	EPA	Water Board
B	Protectiveness Deferred		Not protective
C	Protectiveness Deferred		
E-2	Will be protective	Protectiveness Deferred	Protectiveness Deferred

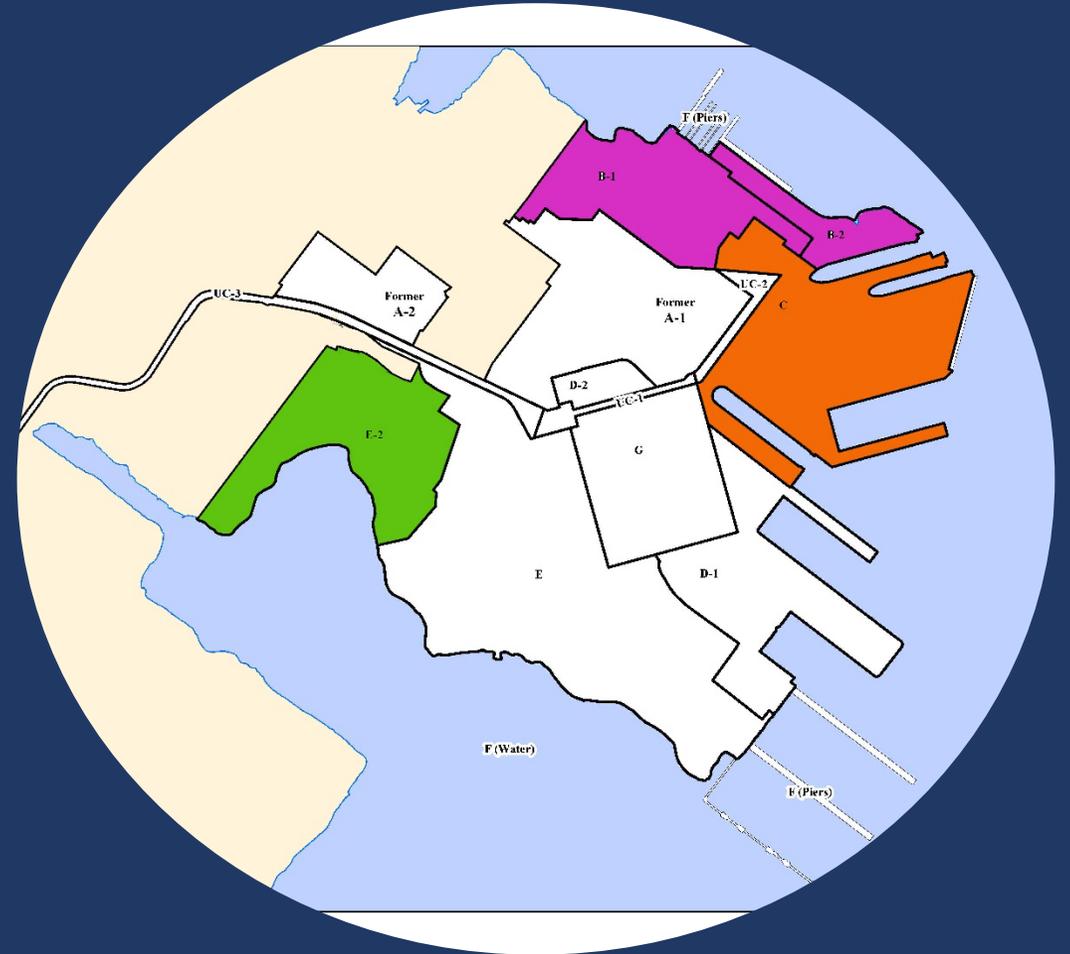
- Differences are due to how the Navy and regulatory agencies interpret narrative guidance. Navy and regulatory agencies are in an agreement on path forward to resolve the issues
- Navy policy requires an addendum to be prepared by one year after the Five Year is signed for Navy identified site that are protectiveness deferred. The goal is to take actions that will move the site to a will be protective/protective status
- While it is not required, the Navy is expediting responding to the regulatory agency Parcel E-2 concerns with the goal of the regulatory agencies updating their independent findings.

HPNS Parcel Map



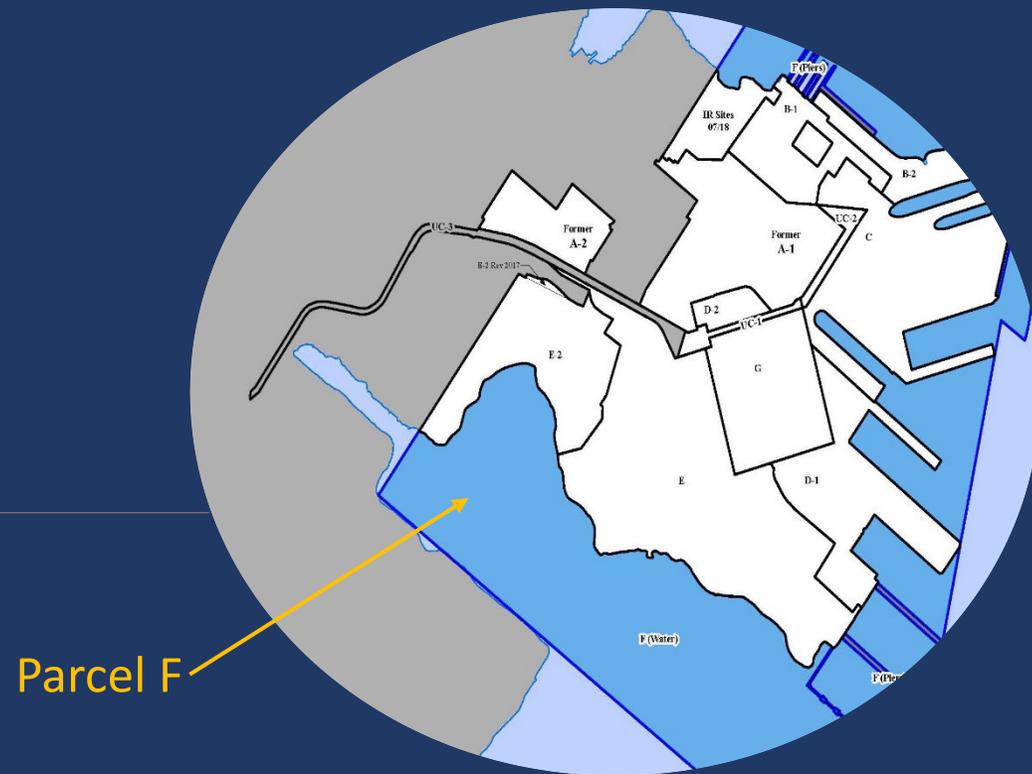
Follow-on Actions

- Discussions led to agreement on **follow-on actions required at three sites:**
 - **Parcel B:** Taking action to perform additional remedial action in accordance with the ROD to address remaining mercury groundwater exceedances
 - **Parcel C:** Evaluate B-aquifer contaminant migration to determine if there is impact to San Francisco Bay receptors
 - **Parcel E-2:** Further work to ensure the partially installed remedy is working as designed
- **Continued partnering and discussions with the regulatory agencies** to ensure remedy protectiveness



Parcel F

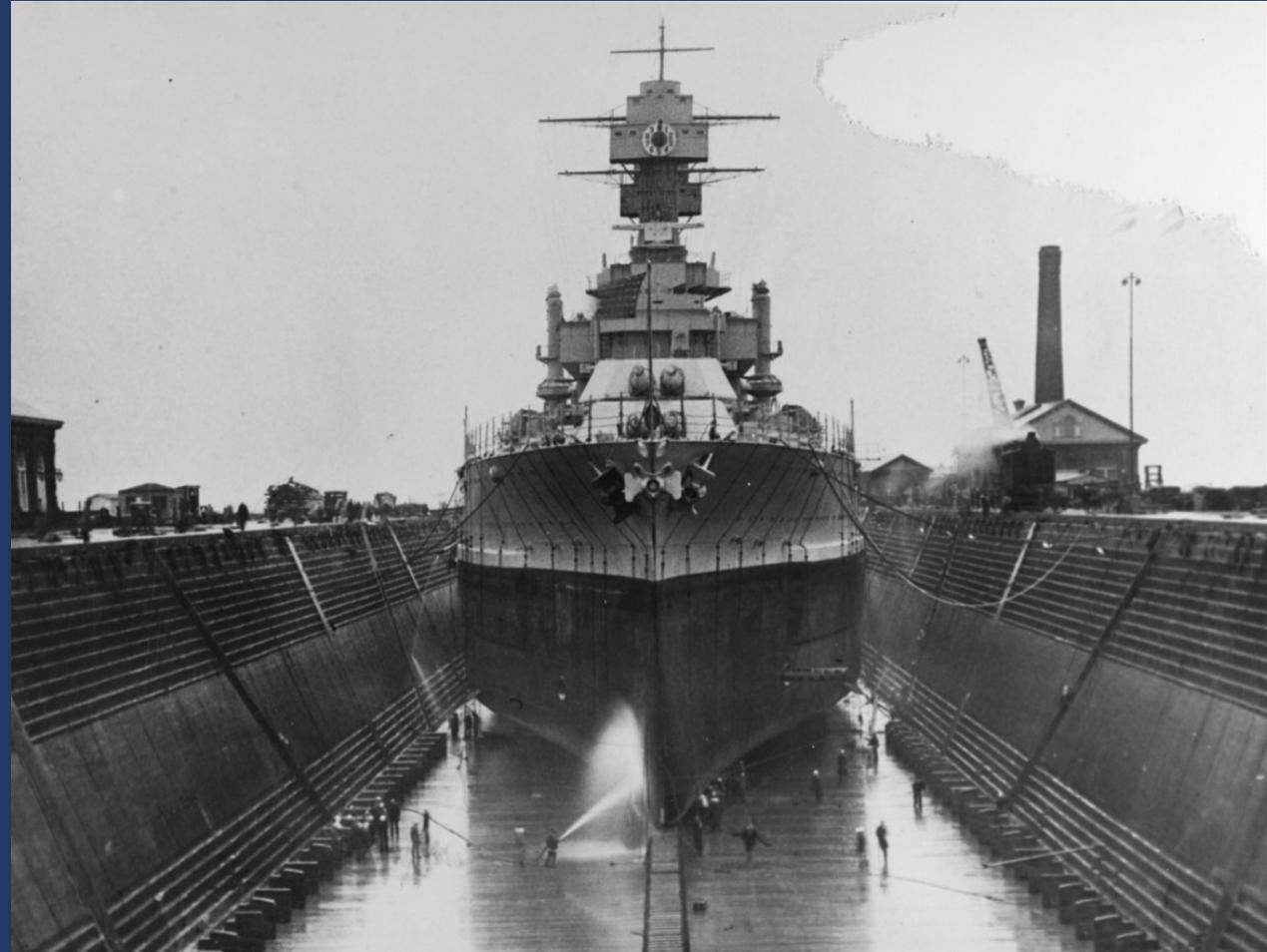
Record of Decision



Parcel F

Parcel F Overview

- **Parcel F includes 443 acres of piers and off-shore sediments**
 - Historical use included ship repair and maintenance
- **Off-shore sediment was contaminated from historical use**
 - Spills into San Francisco Bay waters
 - Runoff from shipyard activities
- **Contaminants of concern**
 - polychlorinated biphenyls (PCBs)
 - copper, lead, and mercury



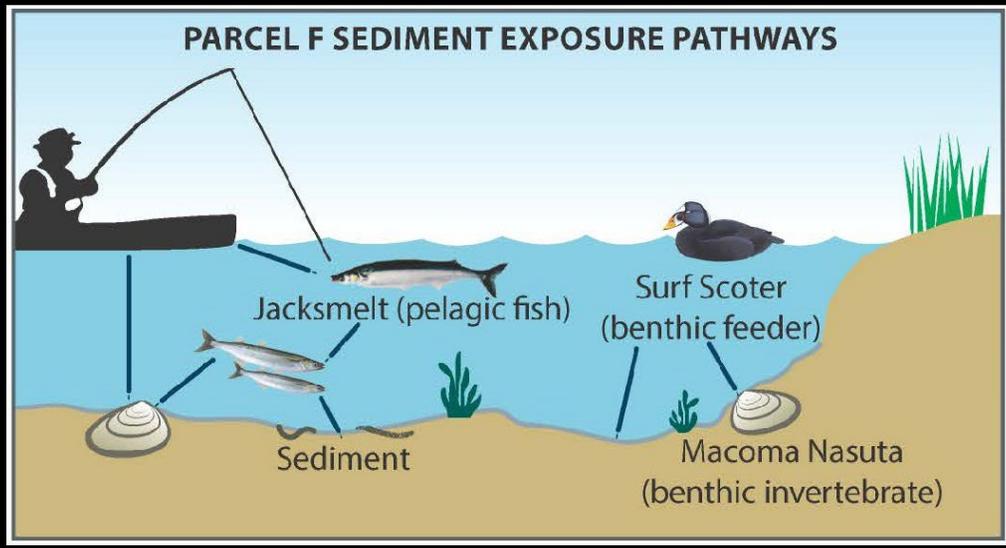
Maintenance conducted on the USS Maryland (1928)

Parcel F Cleanup Overview

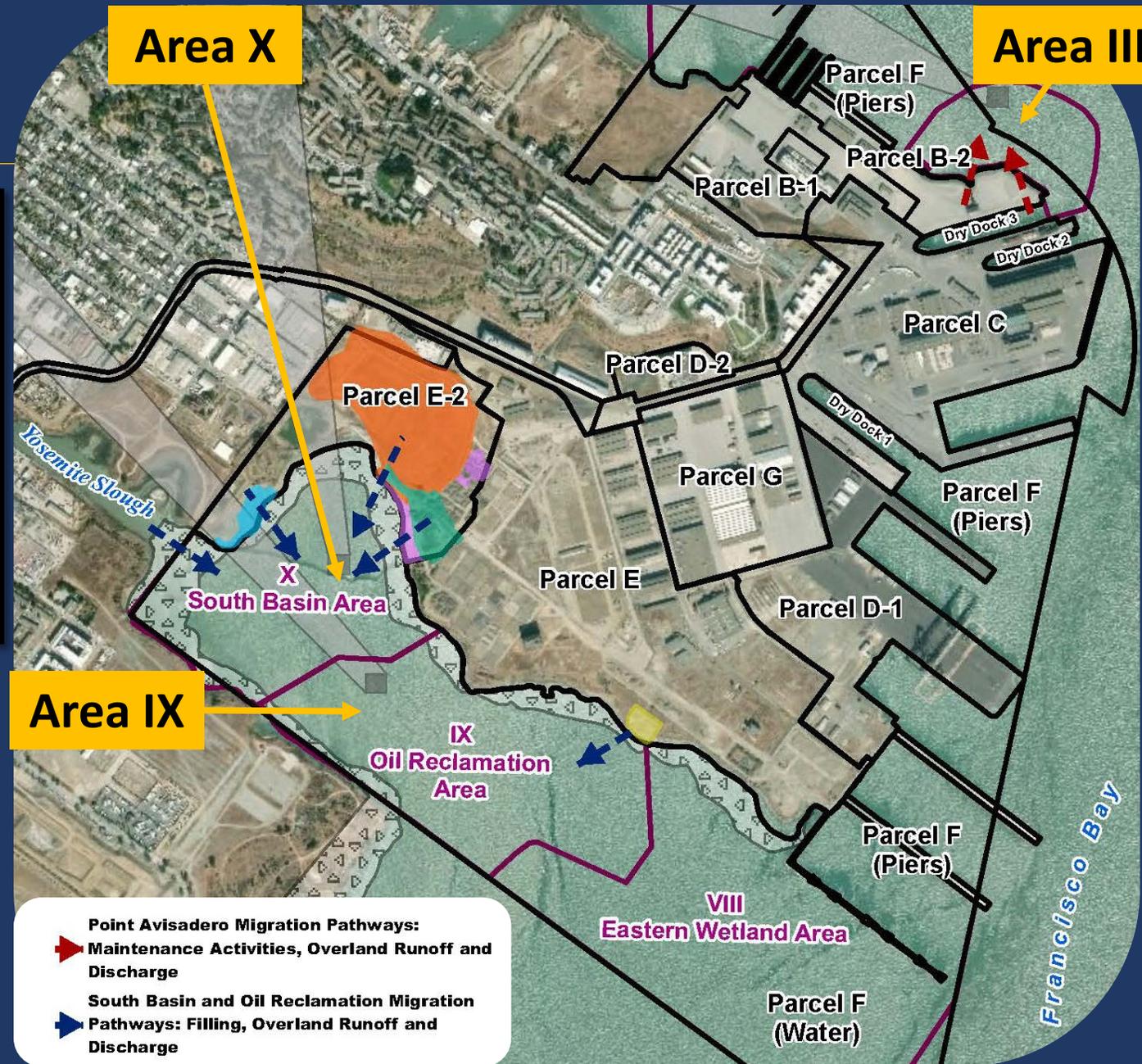
- Originally subdivided into 11 subareas (Areas I – XI)
 - Site investigations identified **5 subareas needing further evaluation**
 - Area I: India Basin
 - **Area III: Point Avisadero**
 - Area VIII: Eastern Wetland
 - **Area IX: Oil Reclamation**
 - **Area X: South Basin**
 - Follow-on investigations **removed** Areas I and VIII due to no risk to human health or the environment



Parcel F: Sediment Exposure Pathways



- **Human exposure**
 - Eating contaminated shellfish and sportfish
 - Harvesting or cleaning of shellfish
- **Ecological exposure**
 - Wildlife feeding on aquatic organisms (clams and fish) that live in the sediment

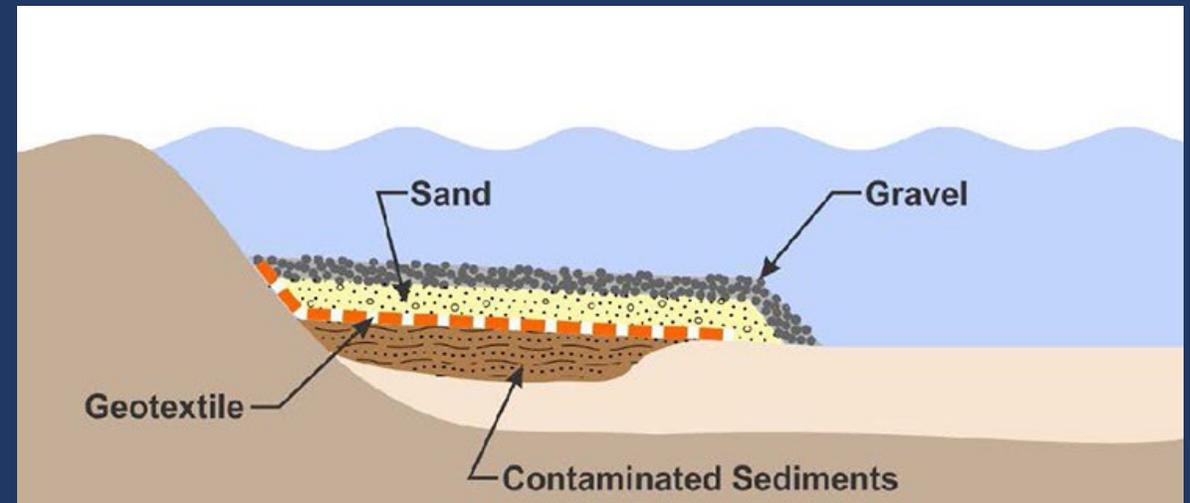


Parcel F: Subarea III Remedy

Focused Removal, Backfill, Off-site Disposal, and Capping

Key Actions

- **Sediment Removal**
 - Remove contaminated sediment from shallow areas
- **Capping**
 - Cap deeper areas to prevent exposure



“In-situ” (in-place) capping of sediment

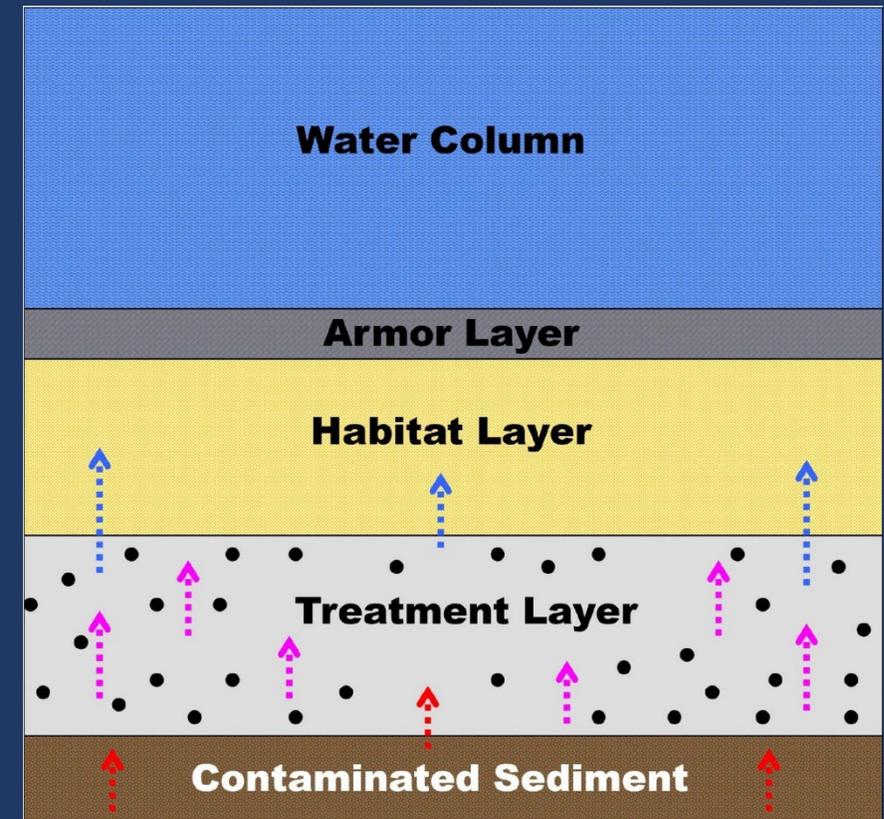
Parcel F: Subarea IX and X Remedy

Focused Removal, In Situ Treatment, and Monitored Natural Recovery (MNR)

Key Actions

- **Sediment Removal**
 - Remove and backfill contaminated sediments in shallow areas
- **In Situ Treatment**
 - Treat deeper sediments with carbon-based amendments
- **Monitored Recovery**
 - Use natural processes to help clean up less contaminated areas

In-situ Treatment of Sediment



Parcel F Cleanup Summary

The Parcel F remedies are:

- **Effective**
 - Targeting the most polluted areas with proven techniques will significantly reduce contamination and protect public health and the environment
- **Sustainable**
 - The balance of effective cleanup while preserving the ecosystem will minimize environmental impacts
- **Protective**
 - Long-term monitoring and maintenance of the remedies ensures continued safety for the community and the environment

How will the Navy monitor cleanup?

- **Post-Cleanup Monitoring**
 - Continuous checks will ensure the cleanup's effectiveness, verifying that contaminant levels remain low
- **Maintenance Plans**
 - Regular inspections and upkeep will maintain the integrity of capped areas and other remedial actions

Parcel F Cleanup Schedule

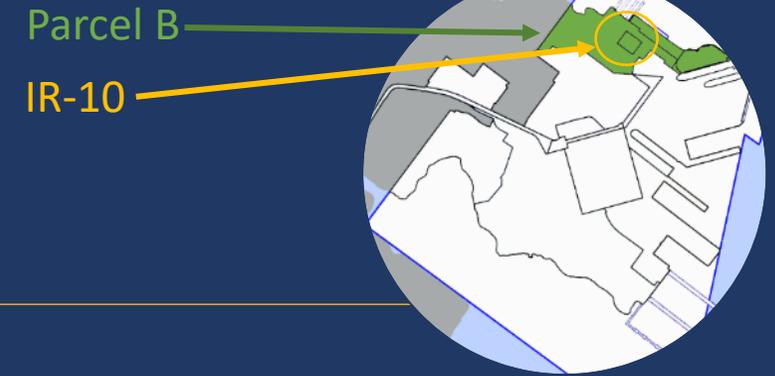


Schedule Date: Sep 2024

Parcel B Installation Restoration Site 10 (IR-10) Remedial Action

Parcel B IR-10

Building demolition and soil remediation



March - May 2024
Building Demolition



May - Oct 2024
Characterize Soil



Spring 2025
Excavate
Backfill clean imported soil



Summer 2025 – Summer 2025
Installation of durable cover, quarterly soil gas monitoring

Schedule date: July 2024

Preparatory Fieldwork Began Feb 5, 2024
Building Demolition Completed May 27, 2024

October 19-20, 2024



Public Photo Tours of HPNS

SCAN TO REGISTER FOR A TOUR

Technical Advisor at Navy Booth*

in Building 101 at Shipyard Artists Open Studios
(reservation not required)

*Dr. Kathryn Higley, HPNS Community Technical Advisor, will be available at the Navy's booth to answer your radiological health and safety questions



Next Navy Presentation to HPSCAC E&R Subcommittee

SAVE THE DATE!

The Navy will present an update on the ongoing environmental cleanup at HPNS to the

HPSCAC E&R Subcommittee

on

Monday, November 18, 2024*

*pending Navy's ability to travel

November '24						
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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



Resources for More Information

HPNS Program Management



Michael Pound
michael.j.pound.civ@us.navy.mil

Navy BRAC PMO West
33000 Nixie Way, Bldg 50, Suite 207
San Diego, CA 92147
www.bracpmo.navy.mil/hpns

Other Resources



Community Technical Advisor
Dr. Kathryn Higley
(541) 737-0675
kathryn.higley@oregonstate.edu
www.ne.oregonstate.edu



HPNS Information Repository
San Francisco Public Library (Main Branch)
100 Larkin Street, 5th Floor, Gov't Information Center

Regulatory Agencies

Andrew Bain, US Environmental Protection Agency
bain.andrew@epa.gov

Michael Howley, CA Dept. of Toxic Substances Control
michael.howley@dtsc.ca.gov

Mary Snow, San Francisco Reg'l Water Quality Control Board
mary.snow@waterboards.ca.gov

Visit www.bracpmo.navy.mil/HPNS to link to the online HPNS Administrative Record (on the home page and documents page)

HPNS Community Outreach

Send an email or leave a message

- For program information
- To join the HPNS Mailing List
- To request language assistance



info@sfhpns.com



(415) 295-4742