Hunters Point Naval Shipyard
Environmental Cleanup Program Update

Hunters Point Shipyard Citizens Advisory Committee

Environmental & Reuse Subcommittee Meeting

May 19, 2025

Michael Pound – BRAC Environmental Coordinator

Agenda

Topic
• Introductions
• Parcel G Building Demolition Task Order Award

• Fieldwork Update
  • Soil Cleanup at Parcel B Installation Restoration Site 10 (IR-10)
  • Radiological Retesting at Parcel UC-3

• Parcel B IR-26 Groundwater Remediation
• Parcel E Remediation Progress
• Upcoming Navy Outreach Activities
• Contacts
• Questions

Parcel G
Building Demolition

Task Order (TO) Award

Hunters Point Naval Shipyard (HPNS)
Navy Base Realignment and Closure (BRAC)

Parcel G Building Demolition TO Award

This TO award marks progress in HPNS cleanup to support future land transfer and redevelopment

- On April 23, 2025, ECC Infrastructure LLC, headquartered in Burlingame, CA, was awarded this TO
- ECC has received their notice to proceed and is now coordinating with the Navy to start the project work
- The project will remove radiological impacted buildings
- This TO creates new pathways for local jobs, small business subcontracts, and community involvement

Six buildings will be removed at Parcel G

Meet the Parcel G TO Project Team

ECC
(Prime Contractor)

- Specializes in high-hazard demolition & abatement
- Two Bay Area project leads will oversee day-to-day work
- Committed to local hiring & community engagement

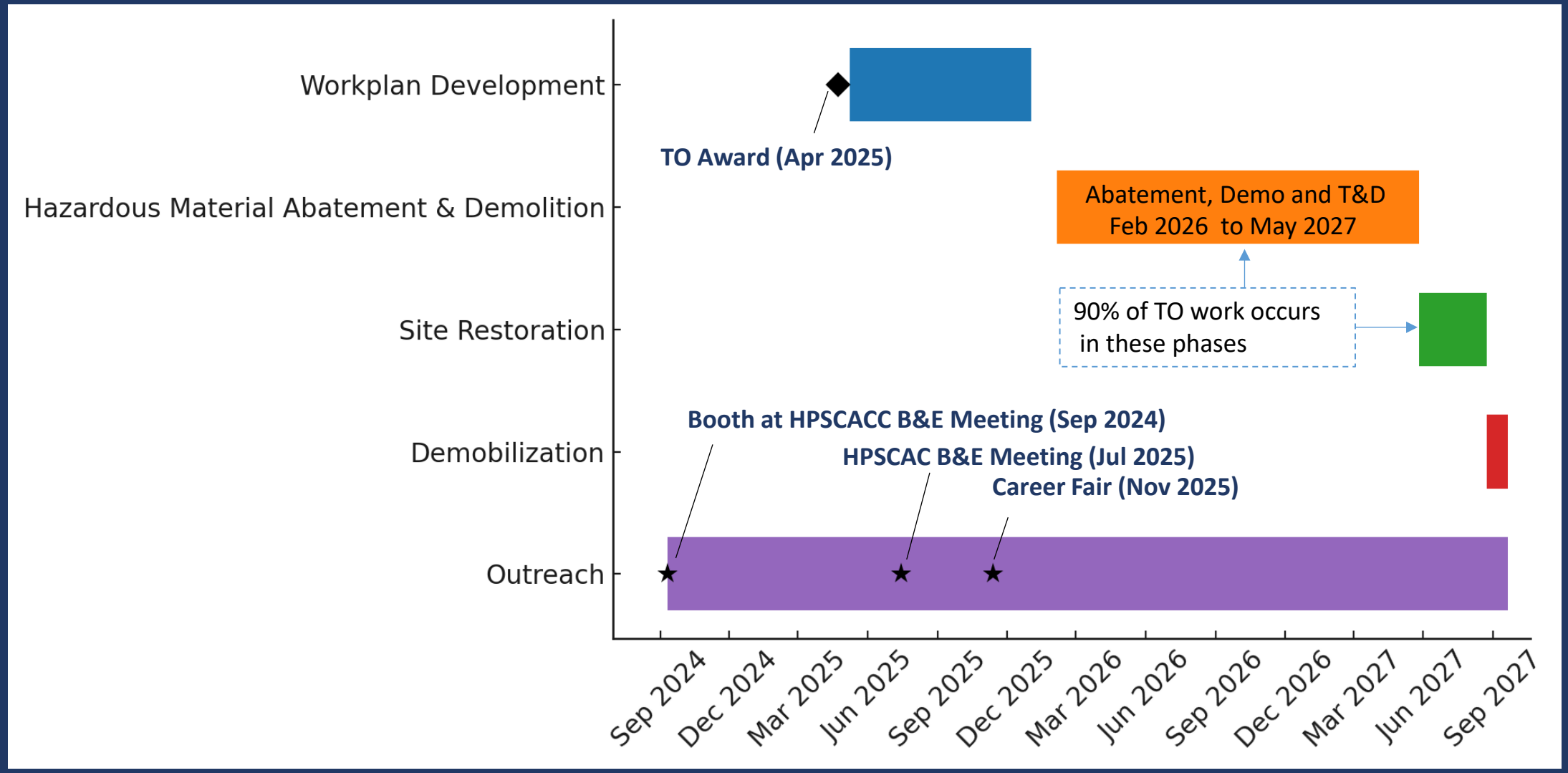
Silverado Contractors, Inc.
(Demolition Subcontractor)

- Union contractor
- Experienced in large-scale demolition
- Completed Bay Bridge & Candlestick Park projects

Bayview Services, Inc.
(Hazardous Material Abatement Subcontractor)

- 30+ years in environmental services
- Leading hazardous material abatement firm
- Supported by CPM Environmental, Inc. for asbestos, mold, and lead abatement

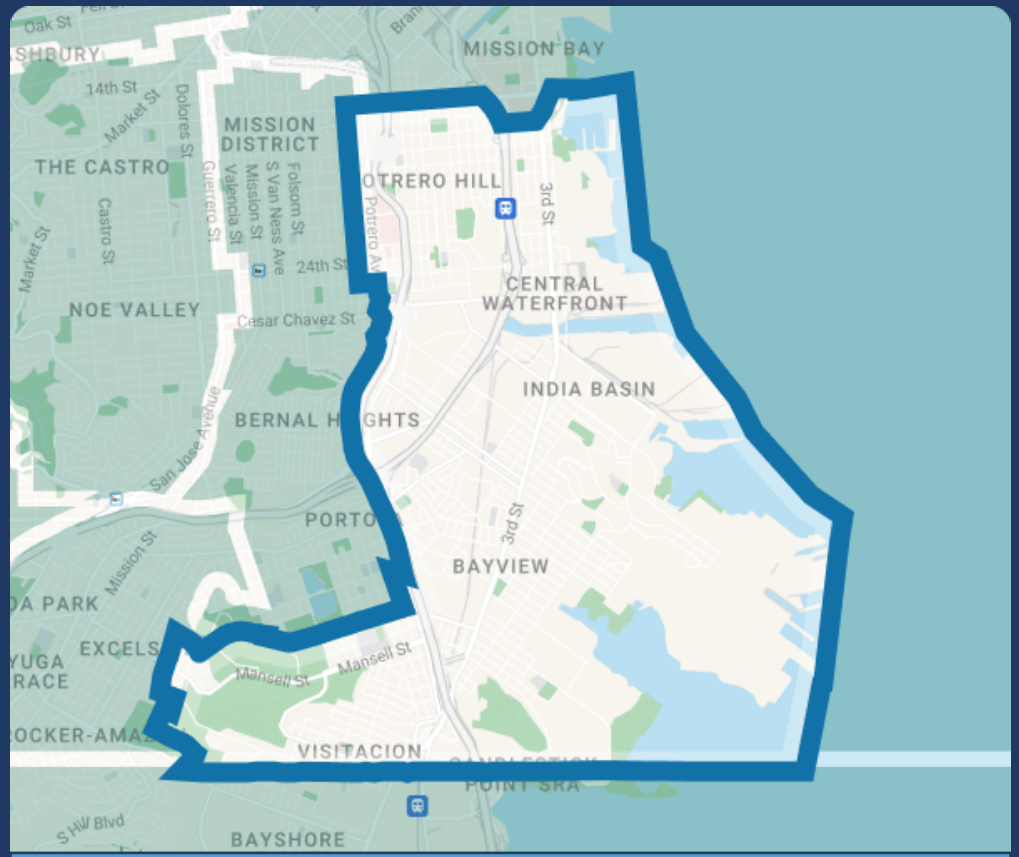
Parcel G TO: Schedule



Parcel G TO: Commitment to Local Hiring

ECC and its subcontractors are working together to meet the project's 23% local hiring goal

- Silverado and Bayview will recruit craft labor from District 10 and nearby zip codes
- ECC will offer internships to support workforce development
- Local trucking businesses have the opportunity to support out-of-state transport for the project
  - Must be licensed for hazardous material hauling
  - Must have appropriate fuel permits (IFTA or Trip/Fuel)
- Navy will track performance in the monthly invoice/payroll reviews



Map of San Francisco District 10

Parcel G TO: Engaging Local Businesses

ECC and its subcontractors are working together to meet the project's 23% local subcontracting goal and identified a range of opportunities for local businesses

- Local businesses are expected to be used for the below project needs:
  - Abatement support
  - Civil surveying
  - Equipment rental
  - Industrial hygiene & air monitoring
  - Site restoration & paving
  - Site security
  - SWPPP inspections & waste manifesting
- Subcontracts are an opportunity for local businesses to gain experience in federal contracting requirements
- Outreach to local businesses on upcoming subcontracting opportunities
- Navy will monitor performance through monthly invoice review

Paving and surveying are identified as opportunities for local businesses

Parcel G TO: Outreach & Engagement

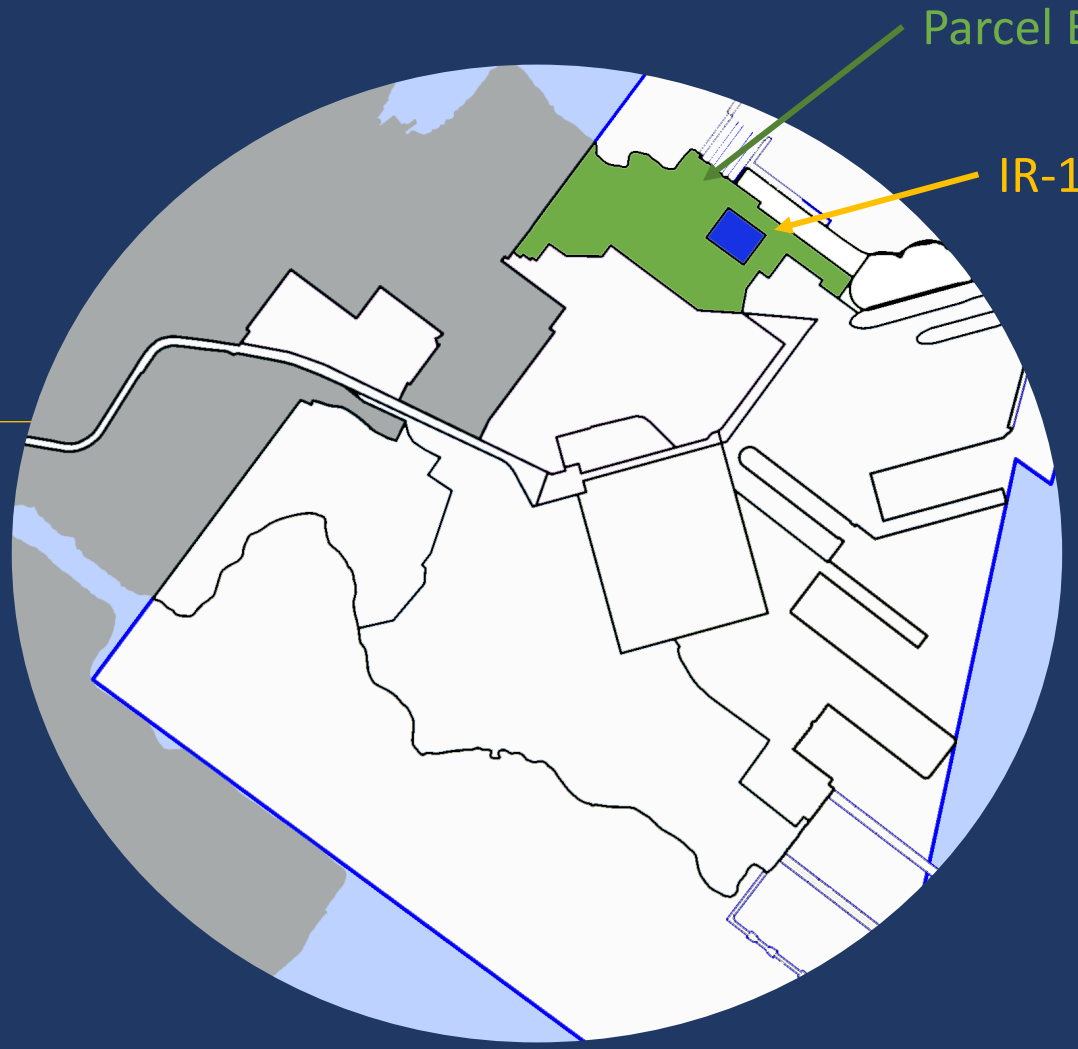
ECC is connecting with local residents and organizations to share information and create pathways for participation

- Hosted an informational booth at the HPSCAC Business & Employment (B&E) meeting on September 11, 2024
- Commitment to attend three HPSCAC B&E Meetings, beginning with the July 17, 2025 meeting
- Planning a Career Fair in November 2025 to connect local residents with job and training opportunities
- Ongoing outreach to local organizations, workforce agencies, and unions
- Community engagement will continue throughout the project to ensure transparency and accountability

ECC staff registered small businesses on iPads at the Sept 11, 2024 HPSCAC B&E Meeting

Parcel B Installation IR Site (IR-10)

Soil Cleanup Update at Former Building 123



Hunters Point Naval Shipyard (HPNS)
Navy Base Realignment and Closure (BRAC)

Parcel B IR-10 Remediation Update

Environmentally-friendly groundwater treatment successfully completed

Equipment used to extract soil vapors; additional cleanup needed

Building 123 demolished to access soil beneath it

Samples collected to determine extent of soil contamination

Excavate soil and take confirmation samples

Backfill excavation site with clean soil

Install durable asphalt cover to finalize remedy

Conduct 1 year of soil gas monitoring to confirm cleanup complete

NAVFAC Naval Facilities Engineering Systems Command

Parcel UC-3 Fieldwork Update

Radiological Rework at HPNS Utility Corridors

Hunters Point Naval Shipyard (HPNS)
Navy Base Realignment and Closure (BRAC)

Parcel UC-3 Fieldwork Progress Update

Excavation progress at Trench Unit (TU)-181

Excavation progress at TU-190

Excavated soil on radiological screening yard (RSY) pad

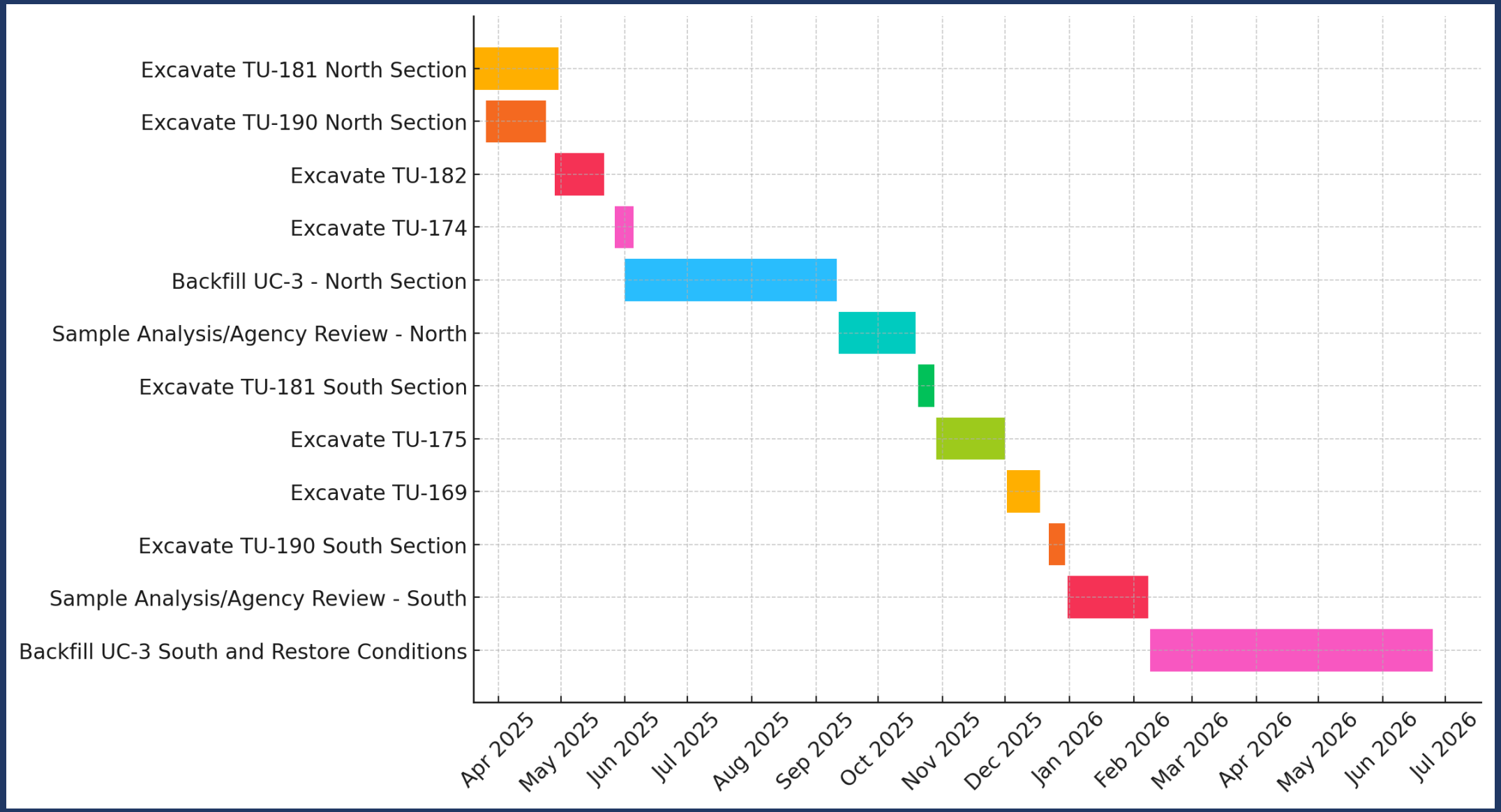
Wetting of haul road to reduce dust

Radiological scans of equipment

Drive-over radiological scans of material on RSY pads

Parcel UC-3 Fieldwork Schedule

Parcel UC-3 Fieldwork Schedule



Parcel E

Cleanup Progress Update

Hunters Point Naval Shipyard (HPNS)
Navy Base Realignment and Closure (BRAC)

Parcel E Cleanup Overview

Parcel Overview

- 129-acre area in the southwest part of Hunters Point Naval Shipyard (HPNS)
- Historical use included
  - Navy ship docking, repairs, and maintenance
  - Oil reclamation plant (operated from 1944 to 1977)
  - Some areas were filled with construction and demolition debris
- Past industrial activities left behind contamination
  - Chemicals in soil and groundwater
  - Potential radiological materials

Rock revetments have been placed along portions of the Parcel E shoreline to protect the San Francisco Bay

Parcel E Cleanup Goals and Challenges

Cleanup Goals

- Remove or safely contain contaminated soil and debris
- Prevent pollution from reaching San Francisco Bay
- Build shoreline walls and barriers to stop erosion
- Identify and remove any radioactive materials left behind
- Ensure long-term protection from weather climate impacts

Cleanup Challenges

- Mixed contamination (chemicals and radiation) in some areas
- Complex shoreline and sloped terrain makes work harder
- Multiple agencies must approve plans and results
- Work must be coordinated across multiple phases and different contractors

A 27-foot-wide rock “revetment” and a 3-foot-high sea wall protect 550 feet of Parcel E shoreline

Parcel E Cleanup Achievements

What Has Been Done So Far?

- Removed more than 103,000 tons of contaminated soil and debris
- Radiologically scanned and disposed of an additional ~130 tons of shoreline material
- Removed most of the former sewer and stormwater pipes to reduce future risk; remaining portions planned in future work
- Completed shoreline walls and hybrid rock barriers
- Test soil for radiation at Radiological Screening Yard (RSY) pads before disposal

Soil removed from Parcel E has filled almost 7,700 dump trucks

Parcel E Ongoing Activities

What's Next?

- Currently funded contract to test and remove shoreline soil and debris
  - About 130 tons already radiologically scanned and disposed
  - Approximately 40,000 tons currently undergoing radiological scanning and pending disposal
- New contracts pending for remaining cleanup across all phases
  - No new digging or shoreline construction is underway
  - Work is limited to loading and hauling material already excavated

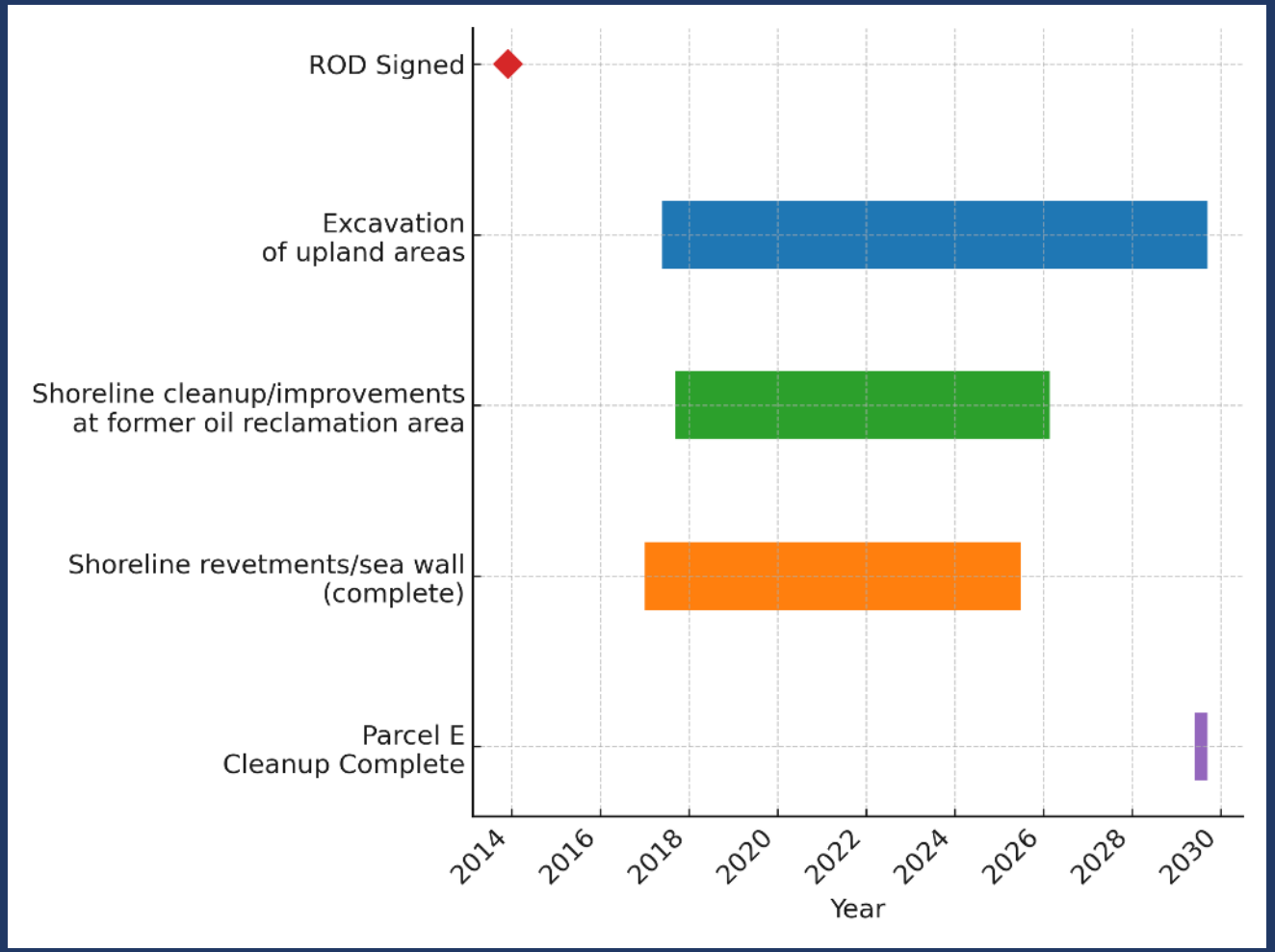
The Navy is currently processing about 40,000 tons of soil and debris (~2,900 truckloads) of soil for disposal

Parcel E Upcoming Activities and Schedule

What's Next?

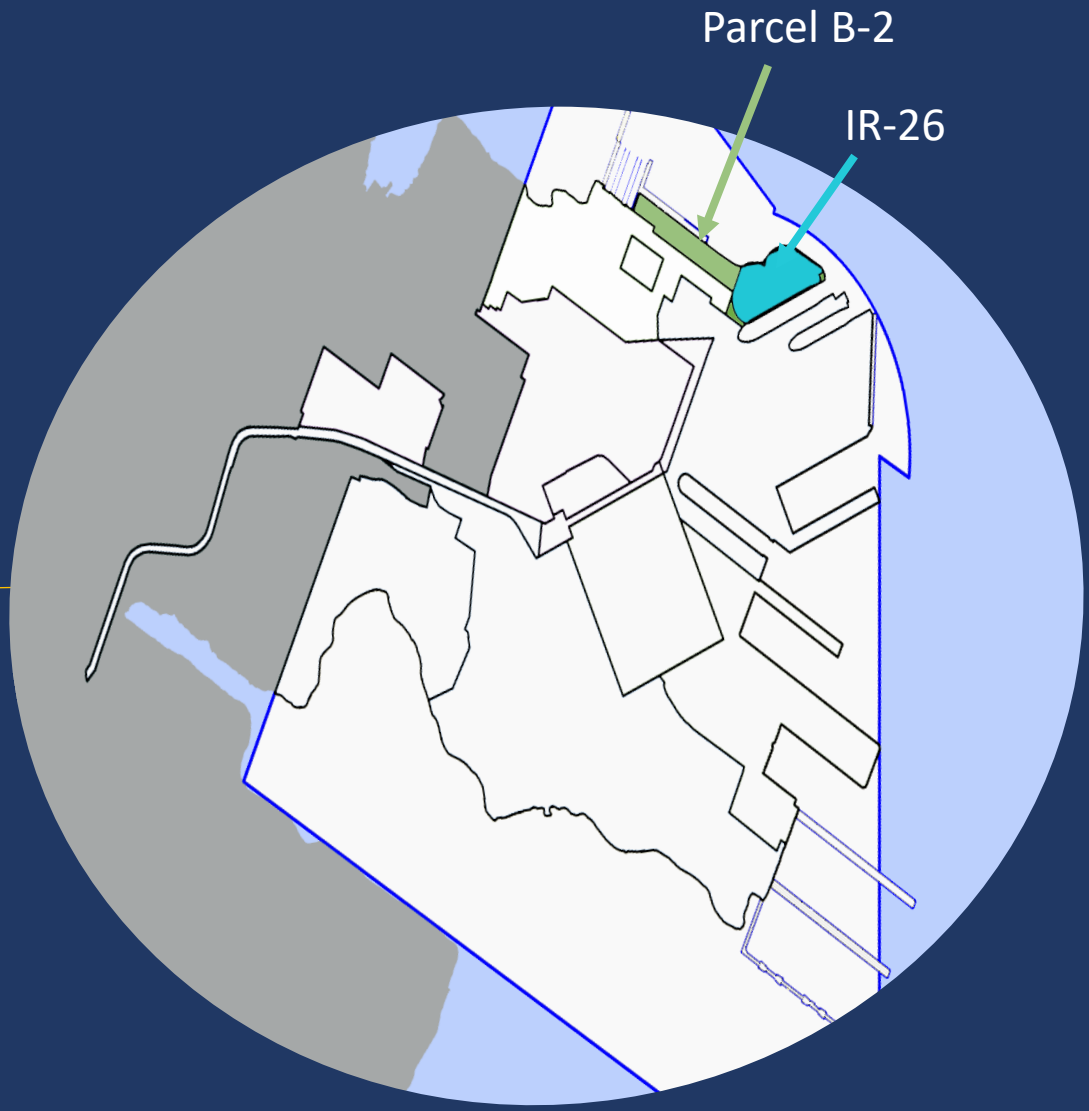
- Contracts pending for future work
  - Complete shoreline stabilization
  - Finish soil removal and backfill in excavations
  - Continue radiological scanning at RSY pads
  - Submit draft and final cleanup reports to regulatory agencies
- Community updates will continue as contracting process, award, and fieldwork progress

Parcel E Schedule (May 2025)



Parcel B-2
IR Site 26 (IR-26)

Groundwater Remediation



Hunters Point Naval Shipyard (HPNS)
Navy Base Realignment and Closure (BRAC)

Parcel B-2 IR-26 Overview

Parcel Overview

- IR-26 is located along the northeastern shoreline of Parcel B-2
- Mercury entered soil and groundwater from equipment and paint used in historic shipyard activities

Cleanup Goals

- Prevent mercury from moving towards the San Francisco Bay by converting it to a stable form underground
- Reduce mercury concentrations in groundwater to meet cleanup levels

Cleanup Challenges

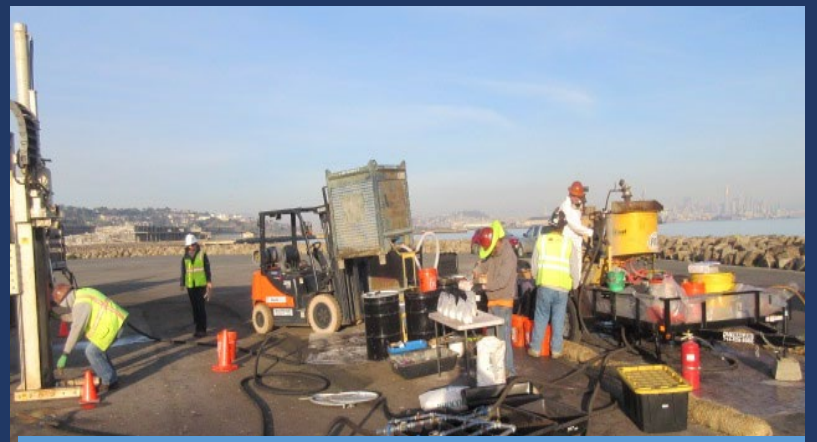
- Mercury is difficult to remove once it's in groundwater — it binds to soil and behaves differently in changing conditions
- Treatment must be effective without causing mercury to move or become more toxic

Timeline of Mercury Treatment at IR-26

1996-1997, 2007, 2008 Excavations to bedrock	**2007-2008** Shoreline protection features	**2007 - 2015** Groundwater studies, pilot tests	**2016** Full-scale *Metafix* Treatment	**2017 – present** Groundwater monitoring	**2026** Final *Metafix* Injections and Groundwater Monitoring
• Subsurface soil removed to reach clean bedrock	• Rock revetment and soil cover installed to prevent mercury migration toward the San Francisco Bay	• Site studies conducted to evaluate mercury concentrations in groundwater and the effects of tides • Pilot test of in-situ (in-place) *Metafix* treatment	• Injections attempted at 52 sites • 43 sites were successful • 9 locations unable to be treated due to sub-surface blockage (e.g. cobble or concrete)	• Results showed immediate downward trend for all successful injection sites • Navy and agencies strategized ways to treat remaining sites	• 12 injection locations near 2 groundwater monitoring wells • Similar results anticipated to successful treatments in 2016 • Results will be confirmed by 2 years of groundwater monitoring

Metafix Treatment Success at IR-26

- In October 2016, a treatment called *Metafix* was injected underground
  - Metafix is a liquid treatment that reacts with mercury underground and locks it in place
  - This was done as an in-situ (in-place) remedy and did not require any digging
- The treatment was successfully implemented at 43 of the 52 planned injection locations
  - Sub-surface blockage (like cobbles or concrete fill) prevented full injection
- Mercury levels dropped almost immediately after treatment and have remained low, confirming the treatment's effectiveness where *Metafix* was successfully applied

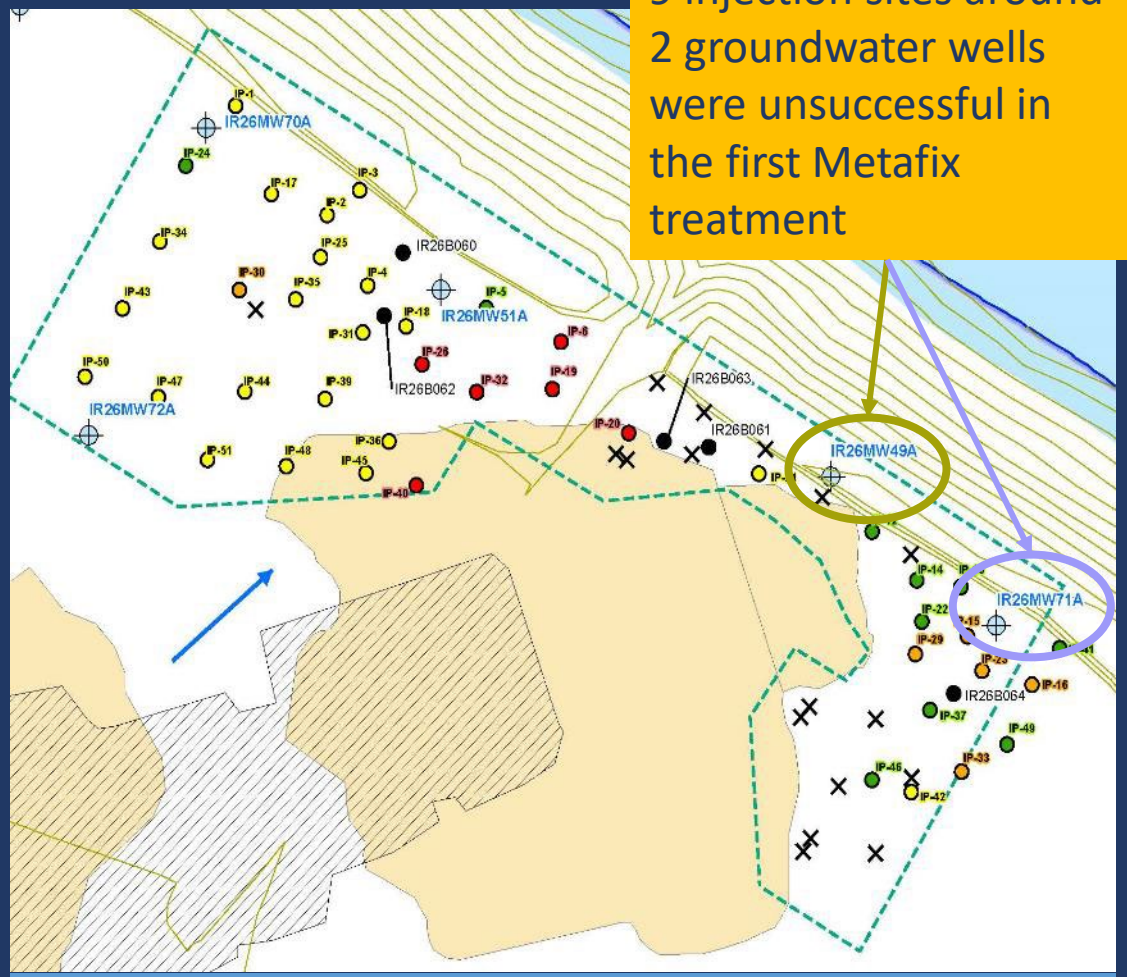


Mixing compound before injection

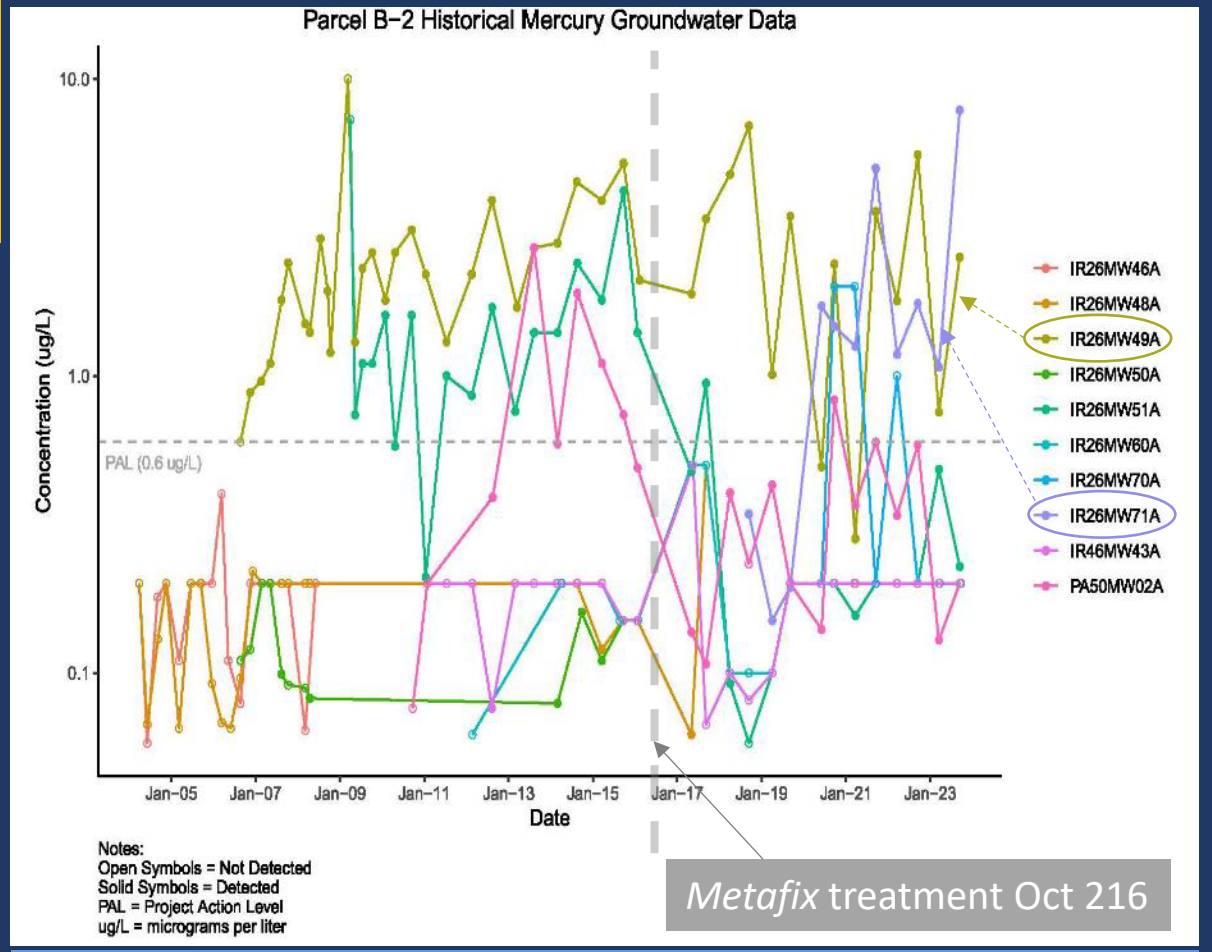
Injection site at IR-26

Metafix at IR-26: Initial Treatment and Results

9 injection sites around 2 groundwater wells were unsuccessful in the first Metafix treatment

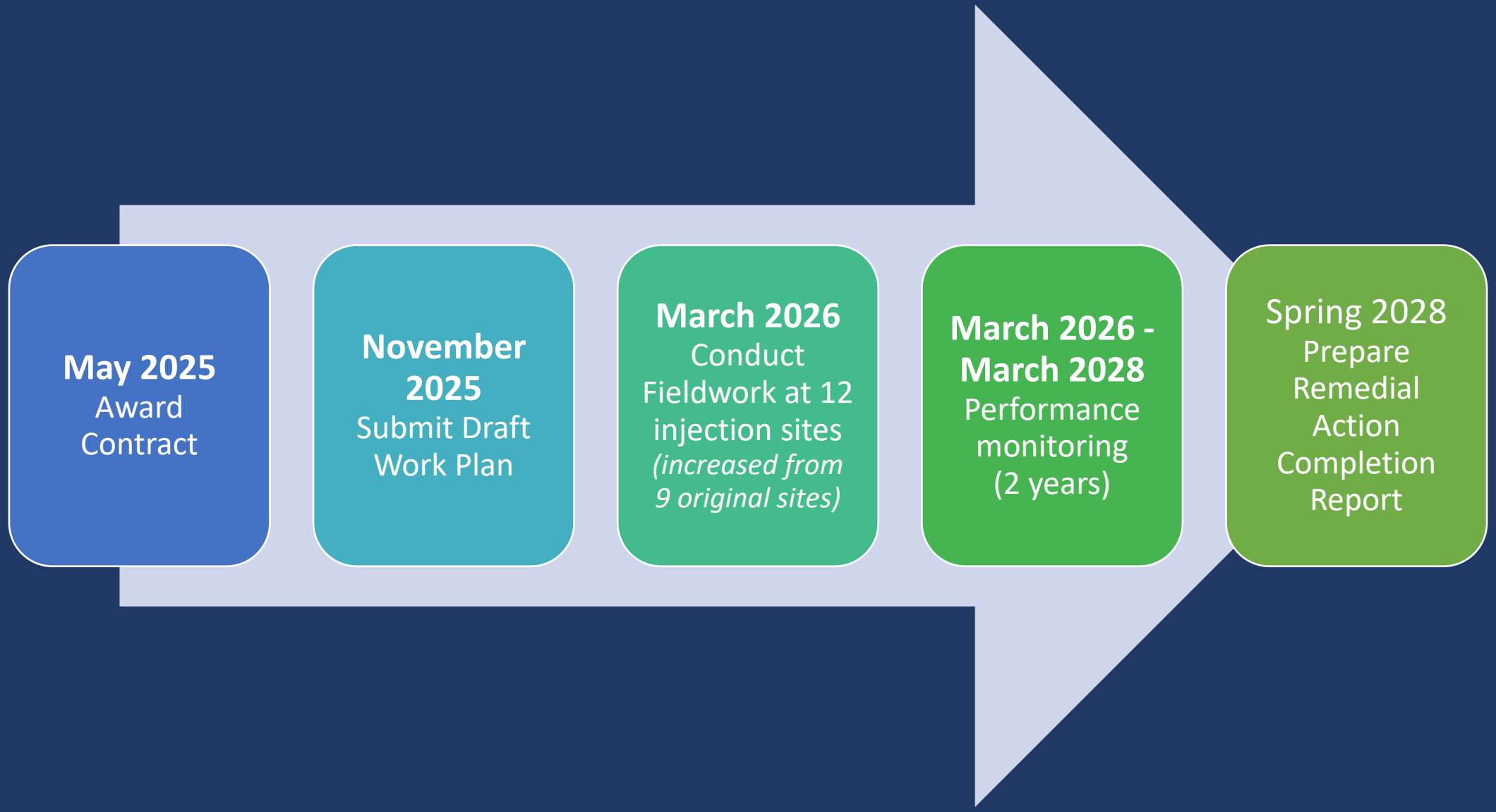


IR-26 Mercury Injection Site Map



Mercury in Groundwater at IR-26: 2005 - 2023

Final Metafix Treatment Schedule at IR-26



HPNS Cleanup Schedule Update

Hunters Point Naval Shipyard (HPNS)
Navy Base Realignment and Closure (BRAC)

Fiscal Year 2025 (FY25) HPNS New Starts Status

Parcel	Activity
B	• IR-26 follow on mercury groundwater remediation (in contracting process) • Building 123 soil excavation and clean backfill (fieldwork starts June 2, 2025)
C	• Implementation of the fractured bedrock zone work plan (Phase 1 complete, Phase 2 – Summer 2025) • Additional remediation for RUCs 2 and 5 (in contracting process)
D-1	• Award new task order for proposed plan and Record of Decision amendment • Select radiological remedy and prepare Proposed Plan **Deferred to FY26**
E	• Dispose of remaining 41,500 tons (30,740 cubic yards) of excavated soil/debris (ongoing)
E-2	• Complete permanent landfill gas treatment system (in contracting process) • Construct freshwater and tidal wetlands (in contracting process) • Address regulatory Five-Year Review concerns (field work started in April 2025)

Fiscal Year 2025 (FY25) HPNS New Starts Status

Parcel	Activity
F	• Award and development of Remedial Design Work Plan (in contracting process)
G	• Complete Phase 2 radiological retesting (pending award of contract modification) • Submit Remedial Action Completion Report (RACR) (under development) • Award Task Order for demolition of 6 buildings and a slab (task order award April 23, 2025)
D-2 and UC's	• Excavate along former sanitary sewer and storm drain lines (all parcels) (fieldwork started March 2025) • Radiological scanning/ sampling of Buildings 813 and 819 (Parcel D-2) (dependent on completion of excavation fieldwork)

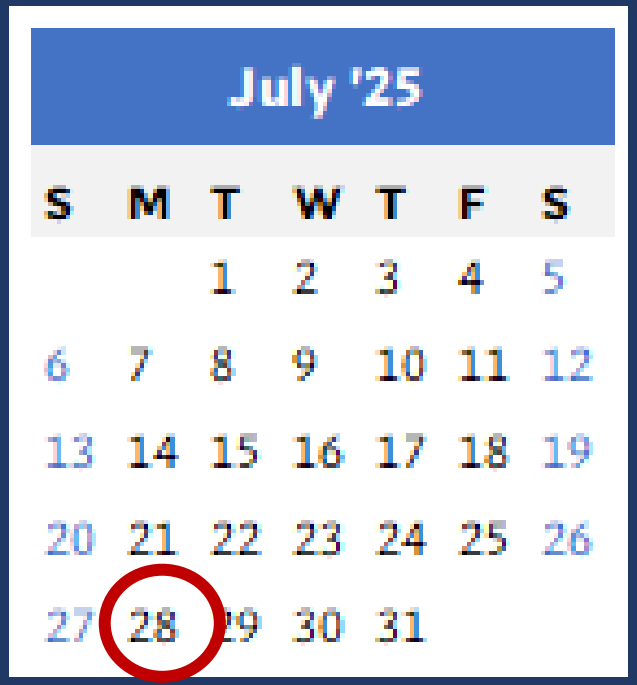
$50.8M to be awarded in FY25; over $250M in active task orders

Upcoming Navy Outreach Activities and Presentation

SAVE THE DATE

July 28, 2025

HPNS environmental cleanup program presentation to **HPSCAC E&R Subcommittee**



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

Regulatory Agencies

US Environmental Protection Agency
Mike Collins: collins.mike@epa.gov
Nadia Burke: burke.nadiahollan@epa.gov

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

San Francisco Bay Regional Water Quality Control Board
Mary Snow: mary.snow@waterboards.ca.gov

Other Resources

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

HPNS Online Information Repository

- https://www.bracpmo.navy.mil/hpns
- https://administrative-records.navfac.navy.mil/?PN24V63WGTUM4VG4WO

HPNS Community Outreach

Send an email or leave a message

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

Email info@sfhpns.com

(415) 295-4742