

Hunters Point Naval Shipyard Environmental Program Fieldwork Update



Hunters Point Shipyard Citizens Advisory Committee
Environmental & Reuse Subcommittee Meeting
April 24, 2023

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BRAC Environmental Coordinator

Sean-Ryan McCray

Remedial Project Manager

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Remedial Project Manager

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



Agenda

Topic	Team Member
• Introductions	Michael Pound
• Parcel B Fieldwork Update: Installation Restoration Site 10 (IR Site 10)	Sean-Ryan McCray
• Radiological Retesting: Parcels B, C, and G	Sean-Ryan McCray, Brian Londquist
• HPNS Cleanup and Retesting Fieldwork Timeline	Brian Londquist
• Building Demolition	Michael Pound
• Five Year Review Overview	Michael Pound
• Contacts	Michael Pound
• Questions	Navy Team

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

Parcel B, 2010



Location of treatment
area in Parcel B



Parcel B: Treatment and Prevention

Navy removal and treatment of
contaminants in soil protect
groundwater from further
contamination



Parcel B, 2023

Parcel B: Building Demolition and Excavation

Installation Restoration Site 10 (IR-10)



IR-10 Remedial Action includes:

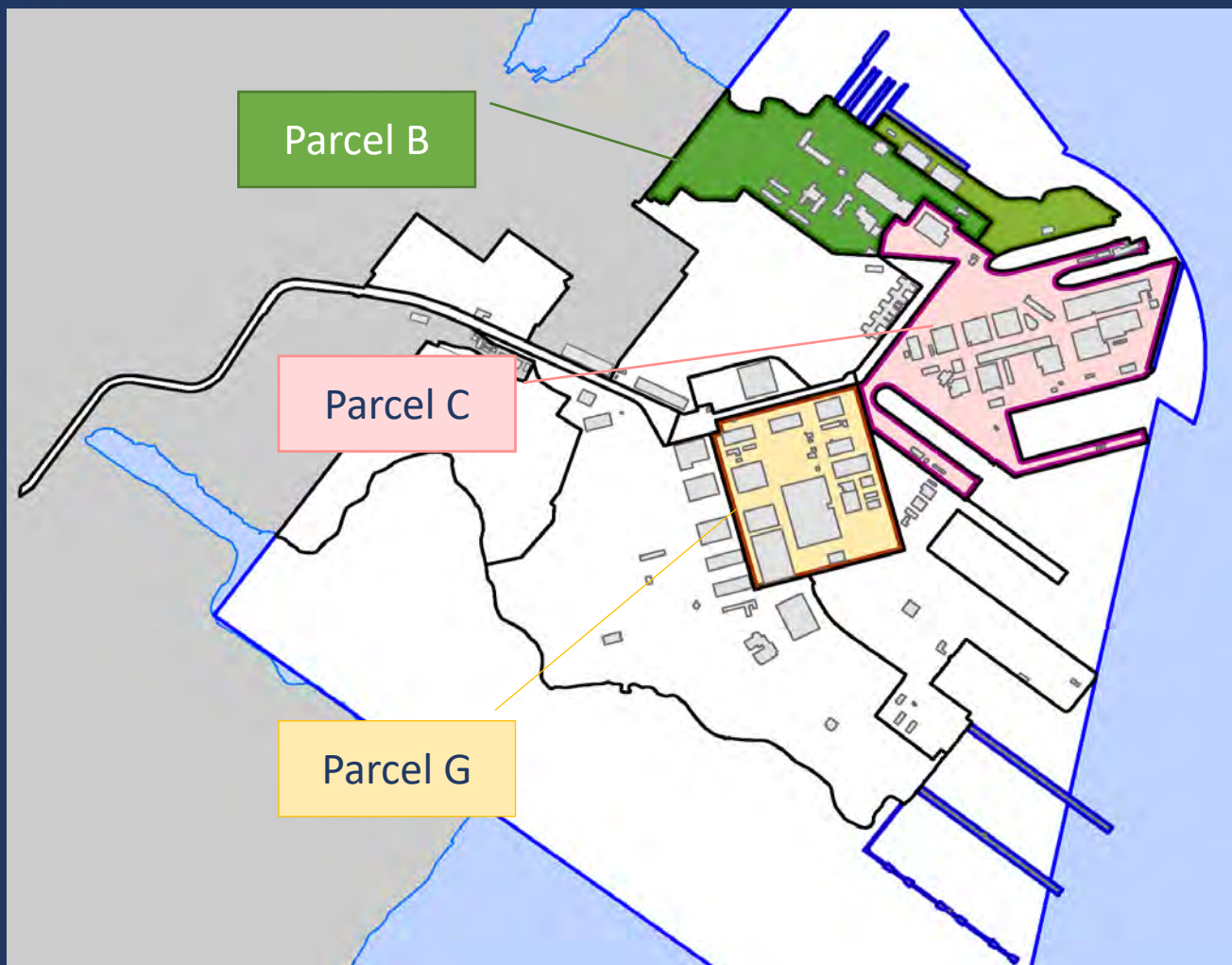
- Demolish Building 123
- Excavate soils beneath former building site
- Collect and analyze soil samples to confirm protectiveness
- Complete site restoration, including durable asphalt cover
- Conduct soil gas survey and sampling to confirm protectiveness



Building demolition allows for access to **remove contaminants from underlying soil**



Excavation of IR-10 footprint will **remove contaminated soil** beneath former building site



HPNS Parcels with ongoing radiological retesting

Radiological Retesting: Soil & Buildings

Navy retesting of soil and rescanning of buildings continues to gather accurate data

UNDERSTANDING RADIOLOGICAL RETESTING AT HPNS

THE NAVY IS TAKING NEW SAMPLES AND SCANS

AT AREAS EVALUATED BY TETRATech EC

ADDITIONAL EXCAVATION, SAMPLES, AND/OR SCANS WILL BE TAKEN
IF RESAMPLING RESULTS SHOW CONTAMINATION



building areas
scanned and analyzed
in approved off-site labs

surface swipes
conducted with
specialized cloths on
existing building interiors



Preparatory Saw Cutting at Trench Units



Building Surveys



Radiological Screening Yard (RSY)
Pad, Stockpile Management



Radiological Excavation and Loading of Trenches

Radiological Retesting Fieldwork
at Parcels B & C:
excavations, surveys, and sampling

Parcels B and C Radiological Retesting



- **Parcel B Phase 1 Activities**

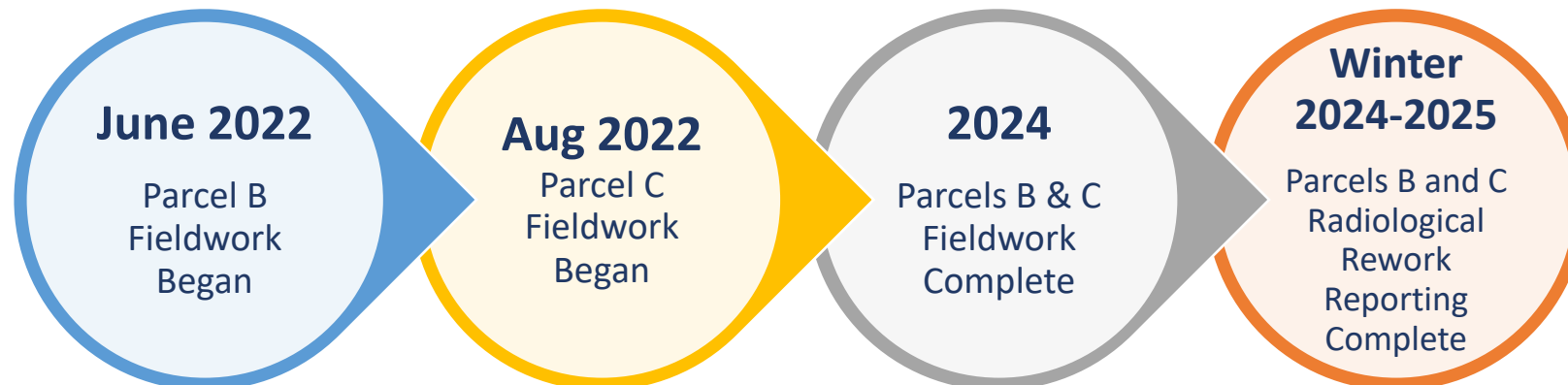
- Fieldwork began June 2022
 - Trench Unit excavations
 - Building scans

- **Parcel C Phase 1 Activities**

- Fieldwork activities began August 2022
 - Building 203
 - Trench Unit excavations



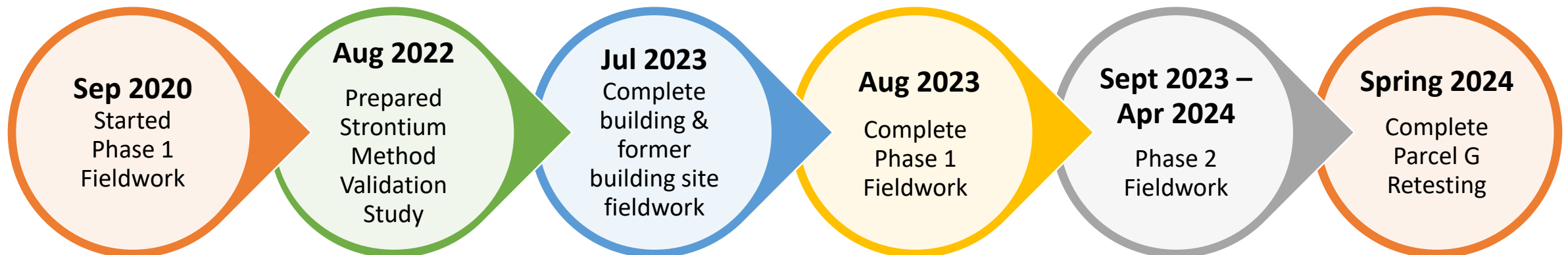
Trench Unit Excavation



Parcel G Radiological Retesting: Update



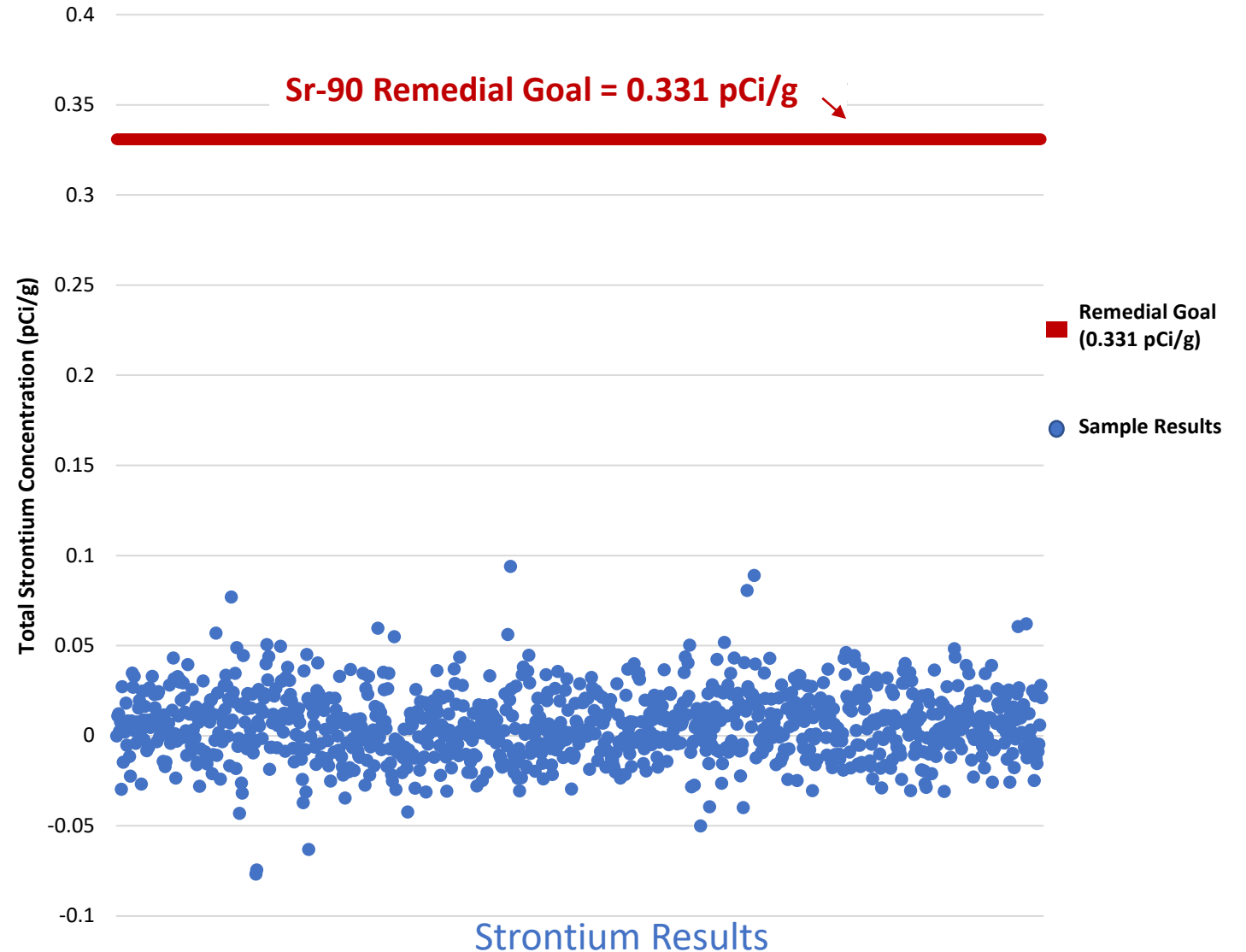
- **Finalizing Strontium Method Validation Study**
 - No exceedances to date have been found using new method
 - Study will be included in Final Remedial Action Completion Report
- **Complete fieldwork at Building 351A**
 - Remediated soil in 351A crawlspace (Fall 2022)
 - Remediate building materials in Building 351A
- **Complete Phase 1 Fieldwork**
 - Complete excavation of final 2 trench units
 - Rainy season affected schedule
 - Backfill all 21 Trench Units
- **Start Phase 2 Fieldwork**
 - Start sampling of 41 trench units
- **Complete Parcel G Retesting**



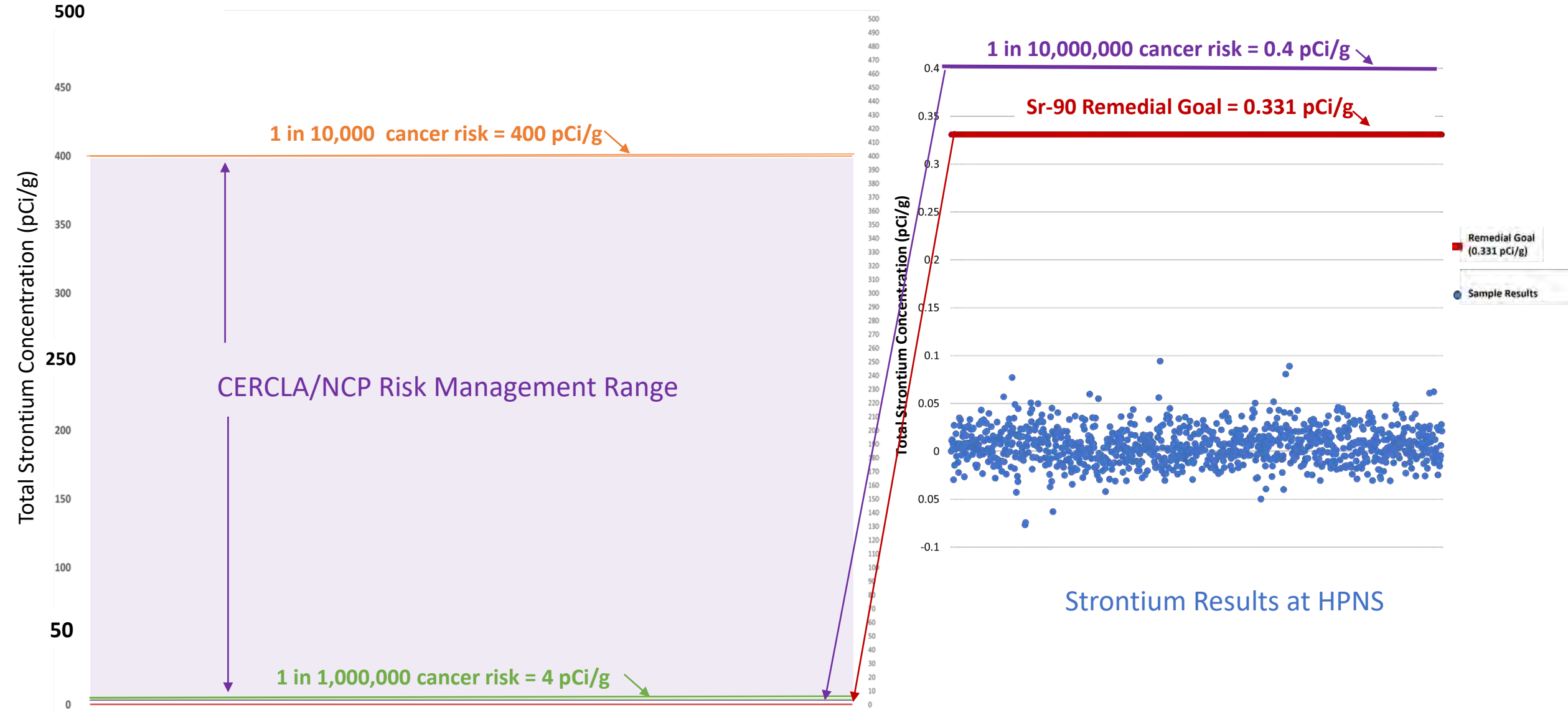
Parcel G: Radiological Soil Strontium Results Update

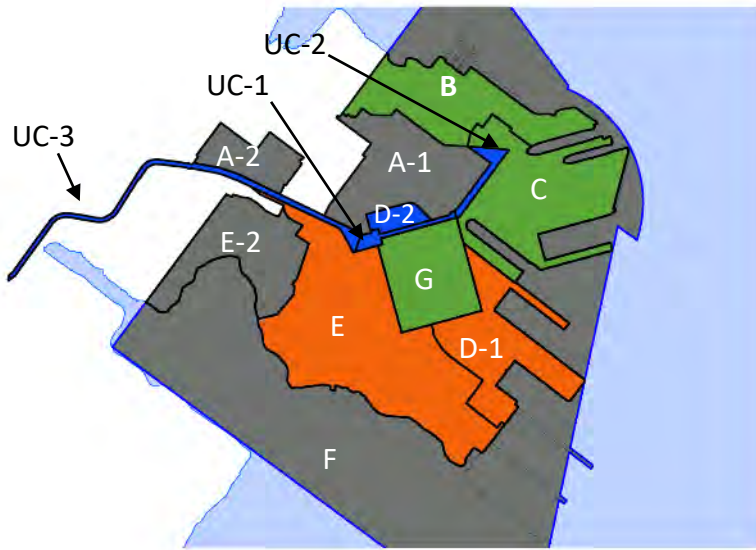


- Strontium results have been compared to the Remedial Goal (0.331 pCi/g) for Strontium 90 (Sr-90)
- More than 1,000 soil samples were analyzed
- The previous lab method not able to produce repeatable results at the required detection limit, resulting in use of an alternate method
- No samples to date have exceeded the Navy's Remedial Goal for Sr-90
- Navy results have been submitted to the regulatory agencies and will be compared to data from independent samples taken and analyzed by federal and state regulatory agencies
- Navy and USEPA in discussion about the next steps



Parcel G: Radiological Soil Strontium Results Update (continued)





Radiological Retesting at HPNS



In Progress

- Parcel G
- Parcel B
- Parcel C



Trench Unit Excavations

Planned

- Parcel D-1
- Parcel E

Upcoming

- Parcel D-2
- Parcel UC-1
- Parcel UC-2
- Parcel UC-3



Surface Scans



Soil Screening

Schedule Date: April 2023

HPNS Cleanup and Retesting Fieldwork Timeline



Schedule Date: April 2023

Demolition of potentially radiologically-impacted buildings begin after radiological rescanning is complete at a given parcel.



Building Demolition

Special Congressional funding allows for removal of potentially radiologically-impacted buildings at HPNS

Building Demolition at HPNS



Congressional special funding approval (2023)



Project award

Begin with Parcel G buildings



Conduct pre-demolition fieldwork

Conduct surveys of identified buildings

Survey for asbestos, lead paint, other hazardous materials



Prepare project work plans

Identify disposal alternatives and approved disposal sites

Prepare stormwater, dust, and air quality management plans

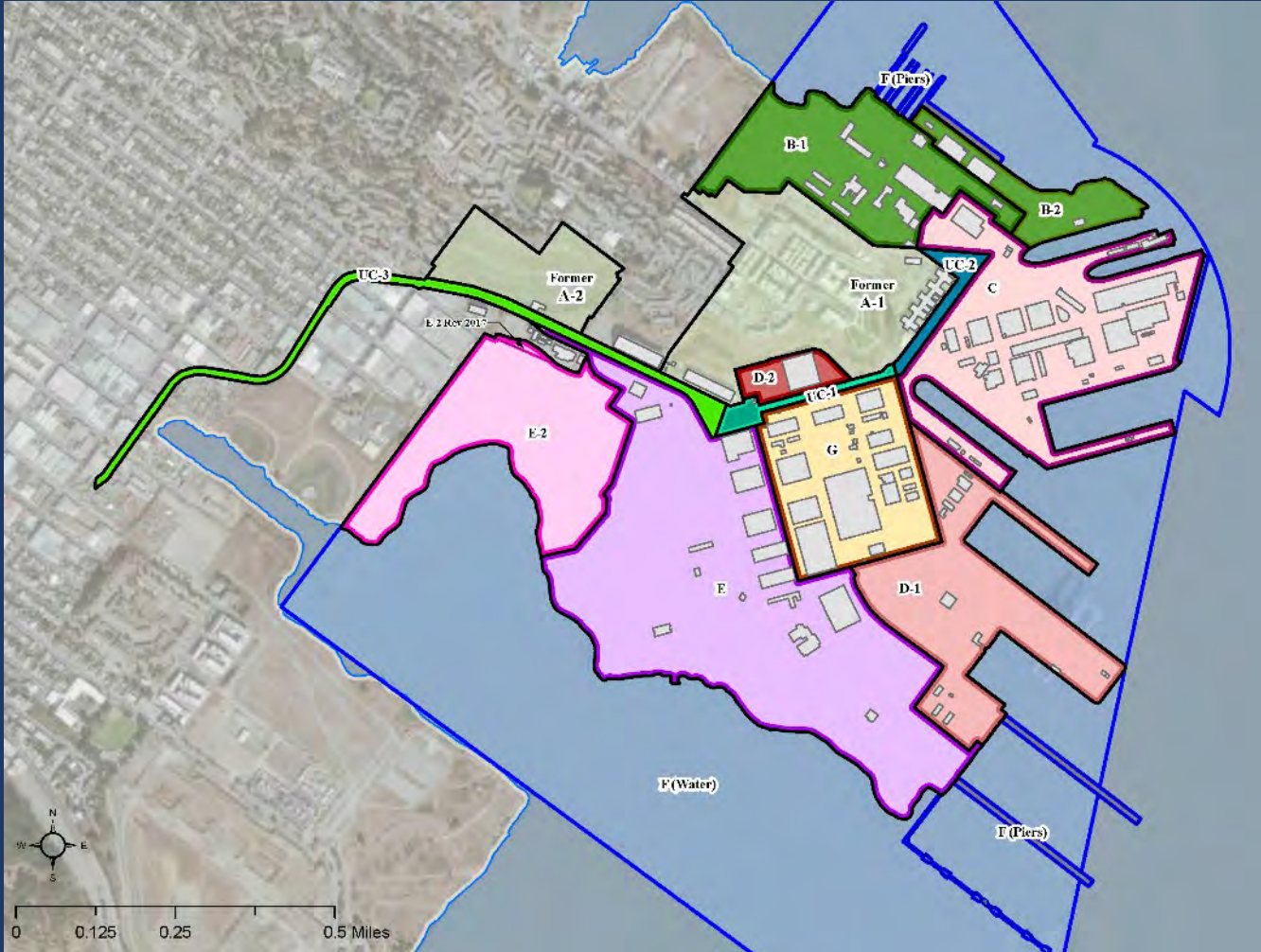


Conduct demolition

Community Involvement During Building Demolition

The Navy is committed to timely updates to members of the local community

- Fieldwork schedules
- Progress updates
- Ways the Navy is keeping the community safe during fieldwork, including dust control and air sampling
- Scopes of work for construction to promote hiring within the local community



Map of HPNS Parcels

Five-Year Review

Navy evaluation of cleanup remedies for protectiveness

Fifth Five-Year Review at HPNS



Navy Five-Year Review Process

- A requirement of CERCLA to evaluate remedies that are in place continue to be protective of human health and the environment
- Basewide review of all remedies that are post-Record of Decision
- Conducted in accordance with USEPA guidance, Navy policy and guidance, and close consultation with state regulatory partners
- Provides an opportunity for community review

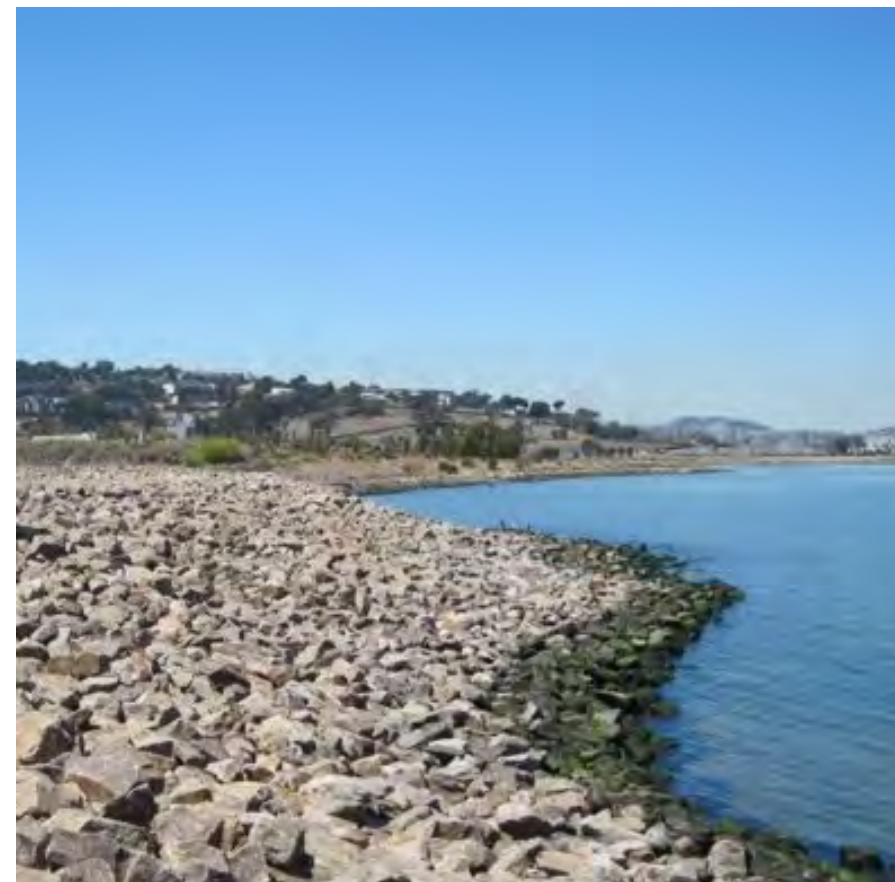
Four Five-Year Reviews Have Been Conducted

- 4th Five-Year Review available on **Documents** page of Navy website
 - www.bracpmo.navy.mil/hpns
- 5th Five-Year Review began in 2023
 - Will include an evaluation of the potential effects of sea level rise and associated groundwater elevation
- 5th Five-Year Review will be available on the Navy website

Five-Year Review: Climate Change



- The primary goal in cleanup at HPNS is to **protect public health and the environment** over the long term
- The Navy is required by CERCLA to **review the performance** of the remedial actions **every five years**
 - Ensures that remedies continue to be protective of public health and the environment
- Climate change is a cutting-edge issue for Five-Year Reviews; Navy is considering all available guidance
 - Navy is developing guidance and policy for conducting a climate change assessment
 - USEPA has limited guidance; more guidance and policy is under development
 - DTSC has draft guidance available
- The upcoming and future Five-Year Reviews will include **evaluation of the potential effects of sea level rise (including groundwater elevation changes)** at HPNS



The Parcel B shoreline revetment prevents erosion and protects Navy remedies.

HPNS Five-Year Review Timeline



Components of the Five-Year Review

1. Document review
2. Data review and analysis
3. Community notification
4. Site inspection
5. Site specialist interviews
6. Assessment of protectiveness; identify necessary changes

Fall 2022

Contract awarded and planning for FYR began



January / February 2023

Document review; data review and analysis began

Public Notice announced start of FYR process

Site inspections conducted



Summer 2023

Agency review of Draft FYR Report



Fall 2023

Draft Final FYR Report available for public viewing



Winter 2023-2024

Preparation and Completion of Final FYR Report

Resources for More Information



HPNS Program Management



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

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

Other Resources



Community Technical Advisor
Dr. Kathryn Higley
(541) 737-7036
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

HPNS Community Outreach

Send an email or leave a message

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



info@sfhpn.com



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