



# Hunters Point Naval Shipyard Environmental Remediation Program Overview

Bayview Hunters Point  
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Mr. Derek Robinson,  
BRAC Environmental Coordinator

# Introductions and Overview



## Derek Robinson

Navy Base Realignment and Closure (BRAC) Environmental Coordinator

### Overview of Presentation

- History of Hunters Point Naval Shipyard (HPNS)
- Environmental cleanup process at HPNS
- Parcel summary
- Parcel transfer schedule
- The Future of Hunters Point



*View of Gun Mole Crane at HPNS, Parcel D-1*

# HPNS History



- Founded as a commercial dry dock in 1869 and owned by private companies
  - Union Iron Works and Bethlehem Shipbuilding Company
- Purchased by US Navy in 1939
  - Provided deep-water ship repair and maintenance during World War II
  - Naval Radiological Defense Laboratory (NRDL) activities (1948-1969)
    - » Decontamination of ships exposed to atomic weapons testing
    - » Conducted research on the effects of radiation
  - Served as an active Navy base until 1974
- Leased in 1976 to Triple A Machine Shop
  - Private company that repaired commercial and Naval vessels
- Navy reclaimed property in 1986
  - To manage investigations and cleanup, the 843 acre-shipyard was divided into smaller portions, known as **parcels**
  - Investigations and cleanup at HPNS continue today
- Contaminants include volatile organic compounds, metals, petroleum, radiological, etc.



*HPNS dry-docks  
1940*



*USS Iowa in dry-dock at HPNS  
1953*

# Environmental Cleanup Process at HPNS



## Cleanup at HPNS follows the CERCLA Process

- AKA: Installation Restoration Program
- Formalized and linear
- Focus on regulatory agency and community input during the decision making process
- Petroleum cleanup can be separate from the CERCLA process
- Includes 5-year reviews



# Remaining Parcel Summary



## Parcels B-1 and B-2 (including IR 7/18)

- Site Status
  - Excavation and durable covers are complete
  - Groundwater monitoring ongoing (B-1 and B-2)
  - Soil vapor extraction (SVE) ongoing (B-1)



*Soil Cover with Vegetation on Parcel B*



*Installation of Asphalt Cover on Parcel C*

## Parcel C

- Site Status
  - Groundwater bioremediation and groundwater monitoring ongoing
  - SVE ongoing
  - Soil excavation is complete
  - Portions of durable cover remedy are complete

# Remaining Parcel Summary (continued)



## Parcels D-1

- Site Status
  - Complete ongoing radiological surveys and removal actions
  - Complete durable cover remedy



*Gun Mole Crane on Parcel D-1*



*Shoreline on Parcel E*

## Parcel E

- Site Status
  - Develop remedial design
  - Conduct additional soil excavation, SVE, and groundwater treatment
  - Construct shoreline revetment rock wall
  - Construct durable soil cover
  - Complete radiological scanning and remediation

# Remaining Parcel Summary (continued)



Soil Excavation on Parcel E-2

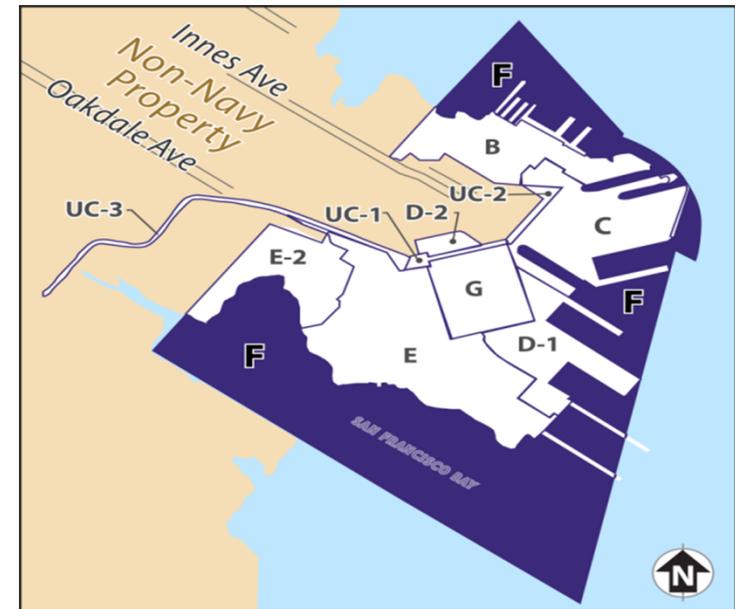
## Parcel E-2

- Site Status
  - Soil excavation and near-shore slurry wall are complete
  - Install shoreline revetment, upland slurry wall, and site grading of landfill area
  - Install protective liner over landfill area, construct wetlands, and install landfill gas control system

## Parcel F

- Site Status
  - Prepare Proposed Plan and Record of Decision
  - Evaluate regulatory agency and community input
  - Select future remedy

Map showing extent of Parcel F



## Remaining Parcel Summary (continued)



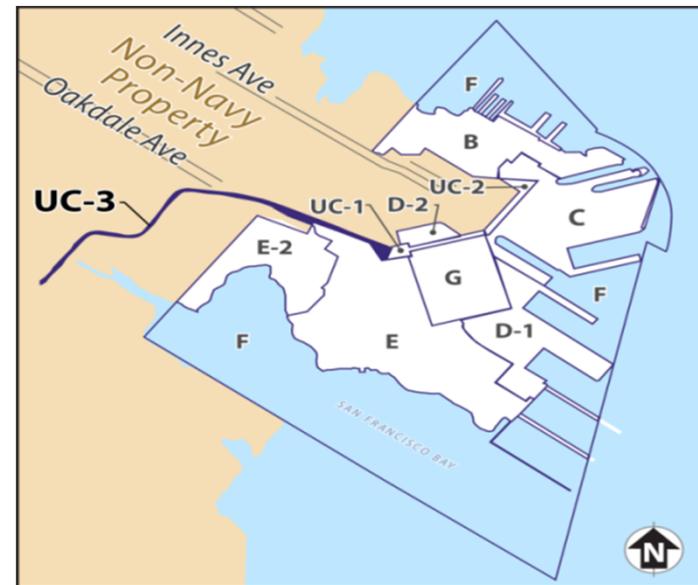
*Completed durable asphalt cover at Parcel G*

### Parcel G

- Site Status
  - Soil excavation is complete
  - Durable cover is complete
  - Groundwater monitoring is ongoing

### Parcel UC-3

- Site Status
  - Complete focused soil excavations
  - Complete durable cover



*Map showing extent of Parcel UC-3*

# Transferred Parcel Summary



## Parcel A – Transferred 2004

- Site Status
  - No actions were required

## Parcel D-2 – Transferred in 2015

- Site Status
  - Cleanup complete and no further action is required

## Parcel UC-1 – Transferred in 2015

- Site Status
  - Cleanup complete, durable cover in-place to prevent contact with remaining contaminants, and no further action is required

## Parcel UC-2 – Transferred in 2015

- Site Status
  - Cleanup complete, durable cover in-place to prevent contact with remaining contaminants, and no further action is required

# Pending Parcel Transfer Schedule



## 2016/2017

- Parcel B-1
- Parcel G

## 2017

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

## 2018

- Parcel C

## 2019

- Parcel E-2

## 2021

- Parcel E
- Parcel F

# Protecting Future Land Users



**The CERCLA process has many layers of safety!**

**Layers include:**

- » **Conservative procedures to determine safety**
- » **Highly visible process**
- » **Regulatory agency review**
- » **Clean up evaluates and accounts for future land use**
- » **Mandatory 5 year reviews**

# QUESTIONS?



*Concept Image*

# HPNS Cleanup Program Contact Information



## Department of the Navy contact:

Mr. Derek Robinson, BRAC Environmental Coordinator  
(619) 524-6026  
derek.j.robinson1@navy.mil

## Website

[www.bracpmo.navy.mil/brac\\_bases/california/former\\_shipyard\\_hunters\\_point.html](http://www.bracpmo.navy.mil/brac_bases/california/former_shipyard_hunters_point.html)

## Information Repository Locations

San Francisco - Main Public Library  
Government Information Center, 5th Floor  
100 Larkin Street  
San Francisco, CA 94102

Hunters Point Naval Shipyard Site Trailer  
(near HPNS security entrance)  
690 Hudson Avenue  
San Francisco, CA 94124