



Hunters Point Naval Shipyard
San Francisco, California

COMMUNITY INVOLVEMENT AT HPNS

Department of the Navy
Base Realignment and Closure Program Management Office West



December 2020
Informational Fact Sheet

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USS Iowa in drydock at HPNS, 1945

SITE OVERVIEW

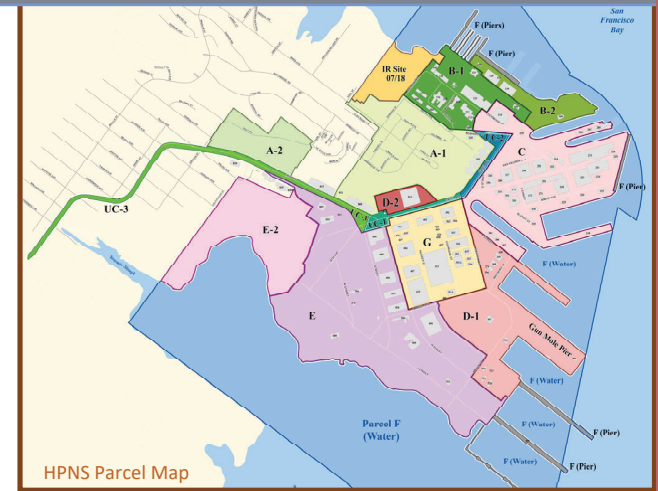
Hunters Point Naval Shipyard (HPNS) is located on 934 acres of waterfront in the southeast corner of San Francisco, California. It was founded as a commercial dry dock in 1869 and owned privately by Union Iron Works and later Bethlehem Shipbuilding Company. The shipyard was purchased by the U.S. Navy in 1939 and served as an active Navy base until 1974. During World War II, the shipyard provided needed deep-water facilities between San Diego, California and Bremerton, Washington for the Navy to conduct ship repair and maintenance of Naval vessels.

In addition to support to the US Navy, a portion of HPNS was used by the Naval Radiological Defense Laboratory (NRDL) from 1948 to 1969. NRDL decontaminated ships exposed to atomic weapons testing and also conducted research on the effects of radiation. In 1976, much of the property was leased to a commercial ship repair company, Triple A Machine Shop. Triple A repaired commercial and Naval vessels on the site until 1986, when the Navy reclaimed the shipyard.

In 1988, HPNS entered the Base Realignment and Closure (BRAC) Program. BRAC is a federal program created to oversee the cleanup and transfer of military installations to public or private entities for redevelopment. In 1989, the United States Environmental Protection Agency (USEPA) placed HPNS on the National Priorities List (NPL) to address hazardous wastes created by historical shipyard activities. The Navy is completing its extensive investigation and cleaning up areas where contamination is found. The Navy's cleanup program is tailored to meet the City of San Francisco's current Redevelopment Plan, which can be found on the Internet at <http://sfocii.org>.

HPNS Community Involvement Plan

The Navy's Community Involvement Program at HPNS is outlined in the 2014 CIP, which provides a guide for the Navy to engage the community, share information, and receive and respond to public input. The Navy regularly evaluates and adjusts outreach at HPNS in response to ongoing activities and reviews the effectiveness of outreach defined in the CIP every two years. Reviews are based on several factors, including metrics and feedback received from the many presentations, events, and communications in which the Navy participates. Navy surveys also provide data on outreach methods and help to gauge the community's interest in HPNS cleanup topics. Per Secretary of the Navy requirements, HPNS program management also re-examines whether there is sufficient and sustained community interest to reinstate the Restoration Advisory Board (RAB) at HPNS every two years. [The 2014 HPNS CIP may be found on the Documents page of the Navy's website \(see page 10\).](#)



When HPNS was assigned to the BRAC Program, it was decided that the best way to manage the cleanup of the site would be to break it up into smaller areas, or parcels. Currently, there is active work on nine Navy-owned Parcels (B-1, B-2, C, D-1, E, E-2, F, G, and UC-3) and three non-Navy-owned Parcels (D-2, UC-1, and UC-2). When cleanup is complete, the property will be ready for transfer to the San Francisco Office of Community Investment and Infrastructure (SFOCII) for redevelopment.

The Laws and Agencies Involved in Cleanup at HPNS

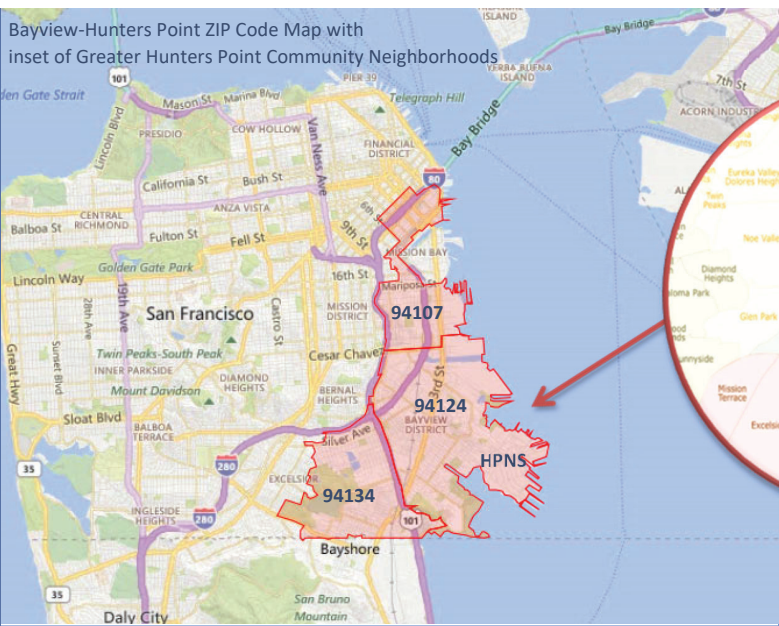
The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), also known as Superfund, was created by Congress in 1980. It established a program to identify, investigate, and clean up hazardous wastes. The NPL was developed under CERCLA to guide the USEPA in determining which sites need additional investigation. The Navy's environmental cleanup at HPNS follows the requirements in CERCLA.

The USEPA is the lead regulatory agency and provides federal oversight for the environmental cleanup at HPNS. The California Department of Toxic Substances Control (DTSC) is the lead state agency that oversees the cleanup of hazardous wastes and ensures that California laws and regulations are followed. The San Francisco Bay Regional Water Quality Control Board (Water Board) is responsible for making sure that the waters of the Bay Area are clean and that laws and regulations are followed. The Water Board oversees cleanup activities that affect water and the Navy's Petroleum Program. The Navy's BRAC Program manages the cleanup program at HPNS. The Navy works closely with USEPA, DTSC, Water Board, other agencies, and the City of San Francisco to ensure that HPNS will be safe for planned redevelopment activities.

Requirements for Community Involvement

Federal and state laws and regulations require community involvement during investigation and cleanup activities. The purpose of these statutes is to make sure that the public is informed and involved early; that public concerns are heard; and that public comments are considered in making final decisions on hazardous waste management cleanup. By advocating early and meaningful community participation, the goal of Superfund community involvement is achieved.

Bayview-Hunters Point ZIP Code Map with inset of Greater Hunters Point Community Neighborhoods



THE GREATER HUNTERS POINT COMMUNITY

The community surrounding HPNS is ethnically diverse, creating a unique personality for each neighborhood. For the purposes of the Navy's HPNS outreach program, the greater Hunters Point community is defined as the three ZIP Codes closest to HPNS (94107, 94124, and 94134) encompassing approximately 8 square miles, with an estimated population of 108,486, and a significant number of small businesses.



94107

Potrero Hill, Dogpatch
population: 29,920

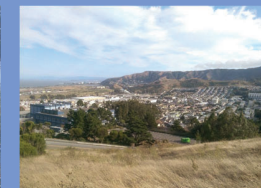
Potrero Hill and Dogpatch are neighboring communities located north of Bayview Hunters Point, totaling less than one square mile in area.



94124

Bayview Hunters Point
population: 35,492

Bayview and Hunters Point include 4.9 square miles of contiguous neighborhoods that border HPNS on the north, west, and south.



94134

Visitacion Valley
population: 43,074

Portola and Visitacion Valley are neighboring communities located west of the Bayview neighborhood, encompassing 2.4 square miles.

HPNS houses several independent tenants, including:

- a kitchen collective serving more than 100 independent food service providers
- space for the City of San Francisco's Crime Lab in Building 606
- local artist studios in Buildings 101, 115, 116, 117, and 125

DEMOGRAPHICS

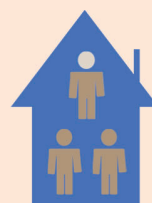
The greater Hunters Point community includes a variety of races and ethnicities. Forty-two percent of the community in the three combined ZIP Codes are Asian, with the vast majority reporting Chinese descent. Of the nearly 45,500 Asian members of the greater Hunters Point community, 67% are Chinese.

Language Considerations in Outreach

Demographics research and HPNS community surveys show that the highest number of non-native English speakers use Asian languages, of which Cantonese (verbal) and Traditional Chinese Characters (written) are the most common. The Navy continues to offer verbal and written translation as-needed for the Chinese community, as well as Spanish translation to meet the needs of other local non-native English speakers.

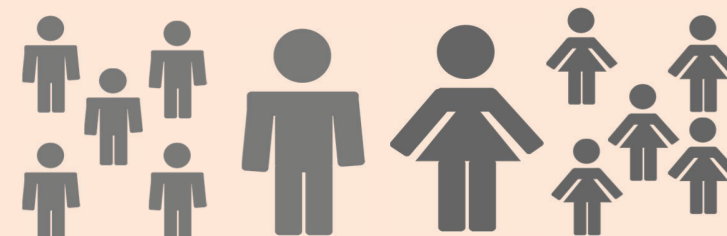
English Proficiency	94107	94124	94134	Total
Speak only English	64%	45%	30%	44%
Speak a Language Other than English <i>(subset % provided below)</i>	38%	55%	70%	56%
• Spanish	6.7%	20%	17%	15%
• Asian & Pacific Island Languages	18%	33%	51%	36%
• Other Languages	2%	>1%	>1%	1%
• Speak English "less than very well"	33%	56%	56%	52%

COMMUNITY QUICK FACTS



36,977 households

2.89 average persons per household



Total Population: 108,486

Demographic information presented is based on 2017 estimates from the US Census Bureau's 2013-2017 American Community Survey (ACS) 5-Year Estimates (www.census.gov).

SURVEY RESULTS: OVERVIEW

HPNS Outreach Survey

Following the dissolution of the Restoration Advisory Board (RAB) in January 2009, the Navy had, and continues to, focus outreach efforts on a variety of in-person gatherings and informational products that fulfill community involvement goals.

The Navy has requested input many times over the years to understand the best way to communicate with the public. The most recent survey (*see information to right*) was distributed to local business and residential addresses, as well as to HPNS tenants. It was available in English, Spanish, and Traditional Chinese Characters.

More than two-thirds of participants advised that they prefer the current outreach approach or they were not interested in attending outreach events. This information, combined with other recent and historical data, resulted in the Navy's conclusion that the community has indicated a preference for the Navy's current outreach program.

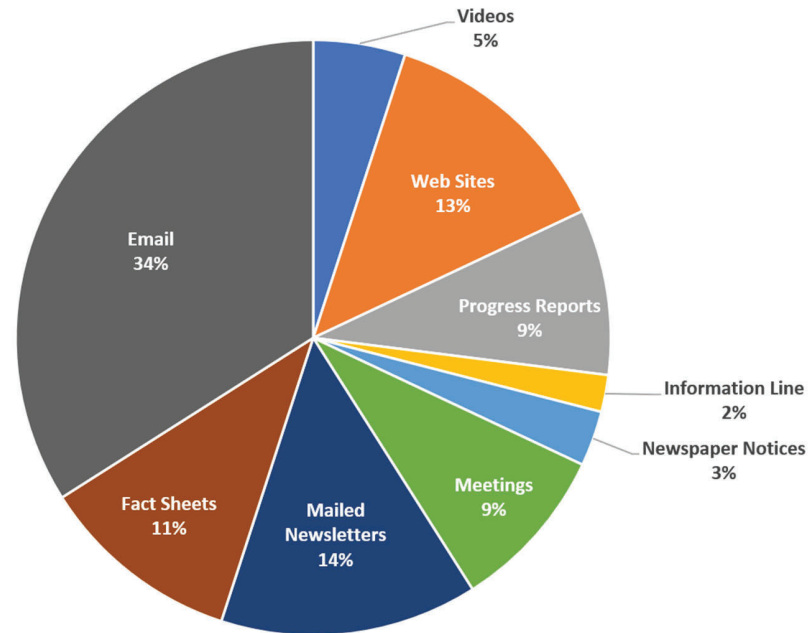
The Navy will continue to adjust the HPNS outreach program in response to community member feedback, topics of interest, and shifts in community demographics in an effort to reach as many members of the community as possible.

Outreach Preferences

Survey Dates: December 2019—January 2020

Survey Distribution: 15,350+

Survey Responses: 40 (0.3%)



(chart reflects communication preference by % of total responses received)

Consistent with feedback received over the past six years, email is the preferred method of communications, followed by mailed newsletters, web sites, and informational flyers or “fact sheets”.

Radiological Retesting at HPNS

In late 2017, the Navy completed a comprehensive evaluation of radiological data collected by Tetra Tech EC (TtEC). The Navy concluded that TtEC results were unreliable and that new data is required.

Based on priorities set by the City of San Francisco, Parcel G is the first parcel at HPNS to be retested.

New Data for Accurate Results

In June 2018, the Navy published the Draft Parcel G Work Plan. Members of the public were encouraged to review and provide input. All comments were considered in the development of the Final Parcel G Work Plan. It was released in June 2019.

Sampling Methods

During August and September 2019, background sampling fieldwork was conducted at four on-site and one off-site location. At the combined sites, more than 250 samples were taken, analyzed, and validated before retesting began.

The Navy started to gather new radiological data at Parcel G in September 2020. Trench excavations, trench soil borings, building swipes, building scans, and building area soil samples are included in the effort.

Independent Oversight and Review

Several layers of oversight and review have been established to objectively verify data collection and results.

- Independent oversight to ensure integrity of data collection
- Analysis of new samples at approved off-site laboratories
- Review of procedures and results by independent experts
- Confirmation samples gathered by regulatory agencies to confirm Navy results

Community Concerns

The Navy reviews feedback from the greater Hunters Point community regularly to assess the HPNS outreach program and gather feedback and concerns regarding the Navy's cleanup at the shipyard. Historically, concerns have centered around program information, health and safety, and completeness of cleanup.

Since the 2016 discovery of falsified radiological data by a contractor, community members most frequently express concerns about the radiological data retesting issue, including the schedule, effectiveness, and effects on community members' health as related to the falsification of data at HPNS.



Radiological surface scans were conducted in support of background sampling at four on-site and one off-site location in 2019. In addition to walk-over surveys, more than 250 soil samples were taken with extensive independent oversight present to ensure procedures and the chain of custody were followed through submission to an independent laboratory for validation and analysis.

COMMUNITY INVOLVEMENT AT HPNS

Through its ongoing community involvement and outreach, the Navy strives to **enhance opportunities for the community to become engaged in the Navy's environmental cleanup process at HPNS** by implementing several strategies:

Inform and Update	Provide information in a timely manner to members of the community on the cleanup process
Educate and Share	Offer opportunities for the public to learn more about environmental cleanup activities and how these efforts help protect human health and the environment
Consult and Involve	Provide opportunities for the public to contribute meaningful feedback and input during the cleanup process

COMMUNICATION TOOLS

The Navy has developed a robust outreach program that provides numerous opportunities in varied formats to reach stakeholders, share program information, and receive community input. Since 2009, more than 2,000 members of the community have received information in-person from Navy program representatives. Materials are also available to members of the nearly 2,000-address email distribution list and via the Internet on the Navy's website at www.bracpmo.navy.mil/hpns. Periodic bulk mailings are distributed via US Postal Service (USPS) reaching in excess of 18,000 addresses.

The Navy pays close attention to its outreach activities. An enhanced communications outreach program has been deployed across a broad spectrum of activities to provide program and health-related information and resources, as they relate to the Navy's cleanup at HPNS.

- Preparation of topic-specific fact sheets, progress reports, and updates of cleanup achievements
- Distribution of program updates, notices, and bus tour registration via electronic newsletters, the Navy's website, USPS, and local community organizations
- Updates to general program and dedicated radiological program web pages
- Information on health and safety, as they relate to HPNS cleanup activities
- Availability of a multi-lingual telephone information line in 3 languages
- Updates at in-person and virtual community meetings and open houses
- Presentations to community groups, elected and local officials
- Guided bus tours and small group site tours
- Participation in local community events and media interviews
- Availability of program materials at local Information Repositories and the official Administrative Record (*see page 10*)
- Translation of program materials and interpreters as-needed



Community Meetings

offer opportunities for one-on-one and small group discussions with subject-matter experts



Presentations to Local Groups

provide resources to share information with, and answer questions from, organization members and guests



Updates to Elected Officials

present data to City and County representatives to best serve the needs of their constituents



Small Group Site Tours and Stakeholder Meetings

host focused site visits to clarify understanding, enhance open discussion with individuals and groups



Guided Bus Tours

offer up-close views of cleanup sites, provide historical context, and present progress



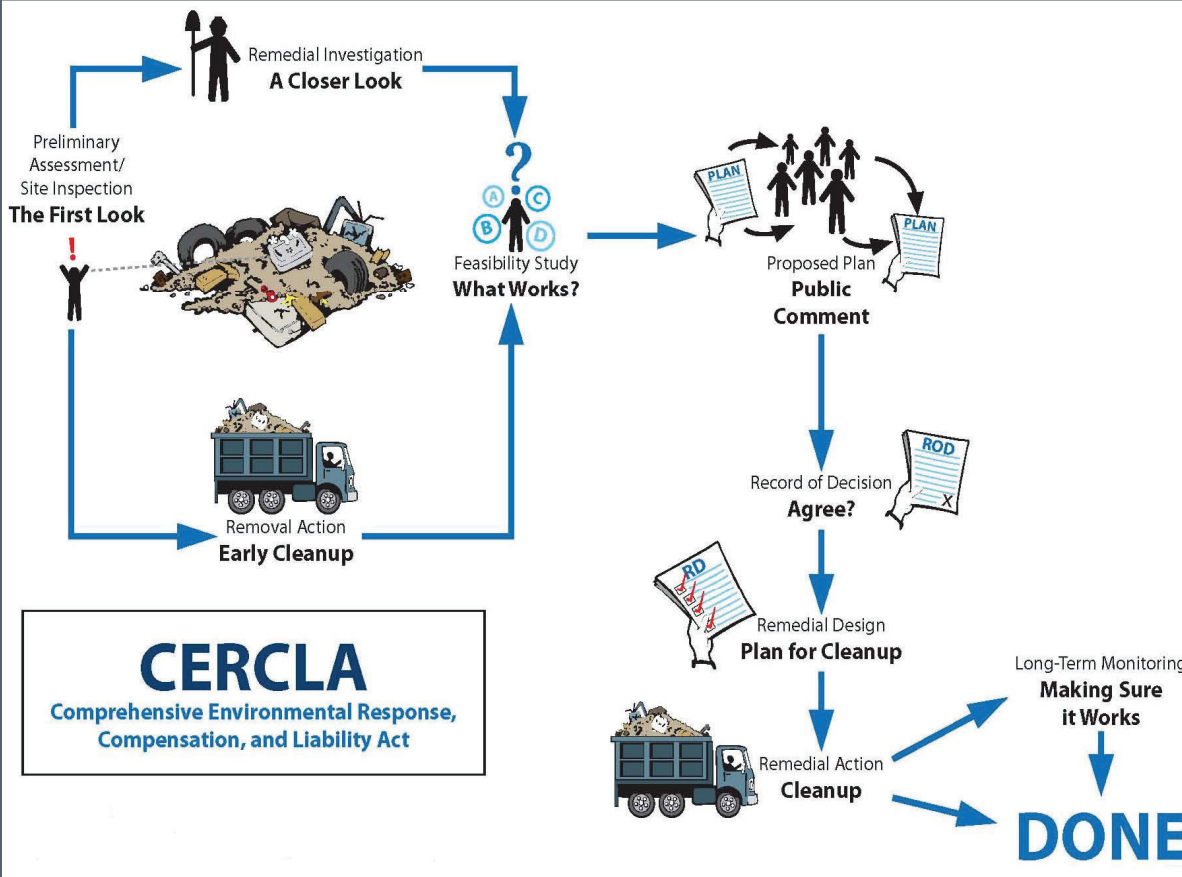
Local Community Events

provide opportunities to share information with different neighborhoods and groups



Radiological Technical Advisor

answers radiological health and safety questions at meetings and events, by phone and email, or by appointment



CERCLA at HPNS: Parcel Status



Innovative Cleanup Technologies

The Navy is committed to evaluating all options for cleanup of contaminants as a result of historical use of the shipyard. In addition to established cleanup practices, innovative technologies are tested and employed to offer environmentally-friendly, advanced approaches, and/or cost-saving measures on a site-by-site basis.

Examples of these technologies include eco-friendly groundwater treatment and soil vapor extraction at Parcel C, as well as *in-situ* (in-place) capture and stabilization of oily waste at Parcel E. Successful use of these technologies benefits future cleanup activities at HPNS and other sites across the nation.



Eco-friendly groundwater treatment at Parcel C

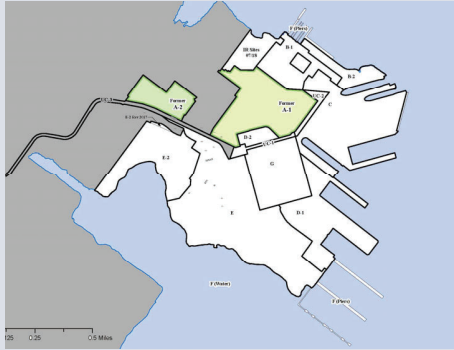


Soil vapor extraction (SVE) at Parcel C



In-situ stabilization of oily waste at Parcel E

ENVIRONMENTAL CLEANUP STATUS



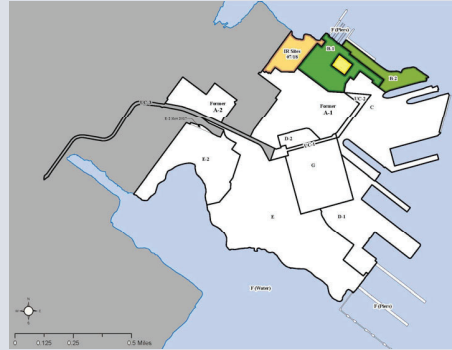
Parcel A

Parcel A, inclusive of Parcels A-1 and A-2, was historically used for residential and administrative purposes when HPNS was an active shipyard. The Navy completed cleanup at Parcel A and transferred the property to the San Francisco Redevelopment Agency (SFRA) in December 2004.



Aerial view of HPNS, 1961 administration & housing area

(photo: SAN FRANCISCO HISTORY CENTER, SAN FRANCISCO PUBLIC LIBRARY)



Parcels B-1 and B-2

Parcels B-1, B-2, and Installation Restoration (IR) Site 07/18 (a subsite within Parcel B) were used to provide support and services for the repair and maintenance of submarines and ships. Parcels B-1 and B-2 have been further sub-divided to assist with property transfer activities: subsites include IR-10 (Parcel B-1) and IR-26 (Parcel B-2). As part of the radiological retesting at HPNS, the Navy will complete additional excavations, scanning, and sampling in areas where the data has been called into question.

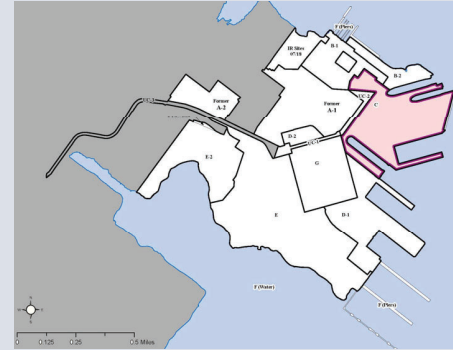
Groundwater: Groundwater monitoring ongoing at Parcels B-1 and B-2

Soil gas: Soil Vapor Extraction (SVE) ongoing at IR-10

Soil/sediment: Excavation and durable cover complete at Parcels B-1 and B-2

Radiological: Additional scanning and sampling of identified buildings, excavation or soil borings along the former sanitary sewer and storm drain trenches upcoming; fieldwork on trenches and building scans planned to begin in 2021

Next steps: Additional cleanup and monitoring to continue at IR-10; complete radiological evaluation



Parcel C

Portions of Parcel C were used for ship repair and radiological research, as well as a power plant and machine, metalworking, and paint shops.

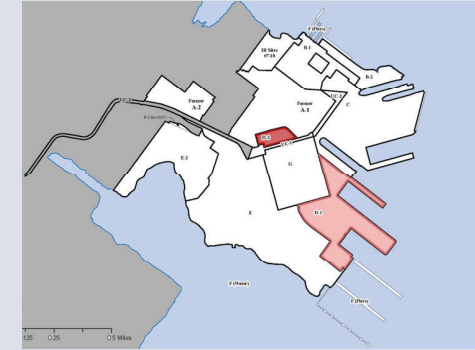
Groundwater: Bioremediation and groundwater monitoring ongoing

Soil gas: SVE ongoing

Soil/sediment: Excavation complete; durable cover remedy complete

Radiological: Building 253/211 undergoing additional characterization and cleanup; removal of small section of remaining sanitary sewer and storm drain line will be completed in 2021; additional scanning and sampling of identified buildings and excavation or soil borings along former sanitary sewer and storm drain trenches planned to begin in 2021

Next steps: Groundwater remediation; complete radiological evaluation



Parcel D-1

Parcel D-1 was used for ship repair and maintenance, as well as radiological research.

Groundwater: Bioremediation complete; groundwater monitoring ongoing

Soil/sediment: Excavation complete; durable cover remedy complete

Radiological: All radiological work complete at this time; final radiological remedy under evaluation

Next steps: Complete radiological evaluation

Parcel D-2

Parcel D-2 is approximately 5.3-acres. It includes one structure, Building 813, which was historically used as a warehouse, office, supply storehouse and a Disaster Control Center. The building is surrounded by asphalt parking areas.

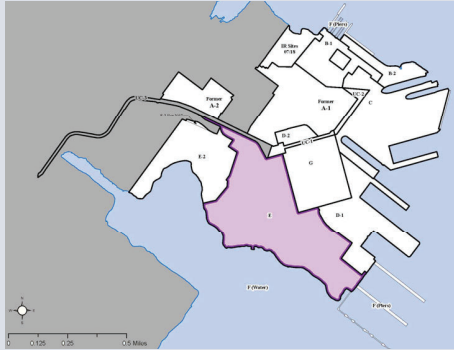
Soil: Focused excavation complete; durable cover complete

Radiological: Additional scanning and sampling of Building 813 pending; radiological evaluation pending

Next steps: Complete radiological evaluation

Aerial view of Parcel C at HPNS

ENVIRONMENTAL CLEANUP STATUS *continued*



Parcel E

Parcel E was used for industrial operations and radiological research.

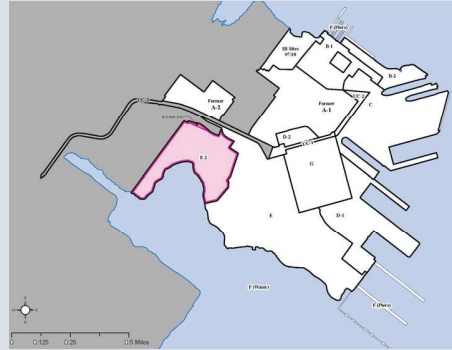
Groundwater: Underground barriers, thermal bioremediation, and remediation began in 2020

Soil gas: Final solution for SVE under evaluation

Soil: Excavation, installation of durable cover, and construction of shoreline protection features began in 2020

Radiological: Removal of final remaining sections of storm water and sanitary sewer lines; additional scanning and sampling of identified buildings and excavation or soil borings along former sanitary sewer and storm drain trenches planned to begin in 2021

Next steps: Remedial design complete; fieldwork began in 2019; complete radiological evaluation



Parcel E-2

Parcel E-2 is the site of the HPNS landfill.

Groundwater: Construction of underground barriers complete

Soil gas: Evaluation and upgraded system upcoming

Soil/Sediment: Excavation completed in 2016; shoreline revetment completed in 2018; construction of final cover began in 2020

Radiological: Upcoming surface scan of HPNS landfill area pending to ensure it is safe for future reuse as a public park and green space complete

Next steps: Continue with construction of final site remedy; conduct final radiological surface scan after installation of final cover is complete



Parcel F

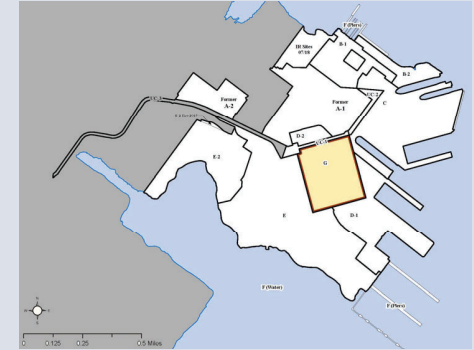
The portion of San Francisco Bay (off-shore area) surrounding HPNS. Historic shipyard activities, coupled with soil erosion, resulted in contamination of San Francisco Bay sediment.

Sediment: Remedy pending

Next steps: Cleanup remedy selected, received regulatory agencies' concurrence and input from the public in 2018; the Record of Decision (ROD) is scheduled in 2021 and will memorialize the remedy

Radiological: Finger Piers (adjacent to Parcels D-1 and E) and Submarine Pens (adjacent to Parcel B-1 and B-2) radiologically scanned and surveyed in 2019

Next steps: Finalize ROD; conduct characterization survey of piers and sub pens



Parcel G

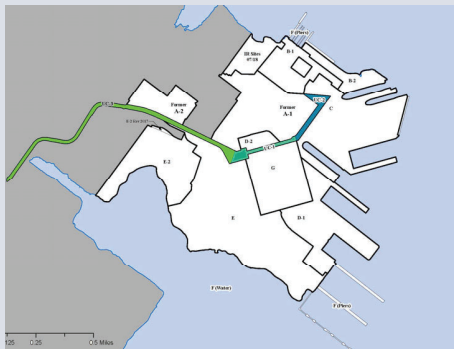
Parcel G was used for ship repair and maintenance, as well as radiological research.

Groundwater: Bioremediation complete; groundwater monitoring ongoing

Soil: Excavation and containment complete

Radiological: Additional scanning and sampling of identified buildings, excavation or soil borings along former sanitary sewer and storm drain trenches upcoming; fieldwork began in August 2020 and will continue in 2021

Next Steps: Complete radiological evaluation; all other environmental cleanup complete



Parcels UC-1, UC-2, and UC-3

Parcels UC-1, UC-2, and UC-3, are former utility corridors that served HPNS.

Radiological: Excavation or soil borings along former sanitary sewer/storm drain trenches upcoming; fieldwork begins planned to begin in 2021

Next steps: Complete radiological evaluation



Parcel F submarine pens (near Parcel B)

RESTORING NATURAL HABITATS

Wildlife at HPNS is typical of local coastal urban areas. A variety of common birds, waterfowl, shorebirds, and mammals use the land as a foraging location. Parcel F, the off-shore area, is home to approximately 50 fish species common to neighboring shorelines in the San Francisco Bay.

Environmental stewardship is an important part of the cleanup plan for every parcel at HPNS. Native plants are included in durable cover solutions and animal species are returning across the shipyard, offering a preview of its new landscape. Between December 2019 and April 2020, biological surveys in Parcels E and E-2 identified more than 20 species of birds, over 30 native plants, and 3 mammals, including harbor seals along the Parcel E shoreline.



burrowing owl
Athene cunicularia



Canada goose
Branta canadensis



California towhee
Pipilo crissalis eremophilus

Wildlife observed on Parcels E and E-2
(image source: US Fish & Wildlife Service, ecos.fws.gov, April 2020)



Wildflowers on Parcel B IR 07/18

Creation of Wetlands

Wetlands are land with wet soil and vegetation that are frequently flooded. They provide habitats for various birds and other wildlife. As a part of the cleanup solution, the Navy will build two wetlands on Parcel E-2 to replace existing wetlands that contain contaminated sediment and may be damaged or removed during the cleanup process.

A freshwater wetland, approximately 1.59 acres in size, will consist of a pond that receives water from a French Drain and surface runoff. The edge of the pond will be planted with native species.

A tidal wetland will be constructed in an area next to the San Francisco Bay that will be flooded with Bay ocean waters during high tides. This 3.18-acre wetland will also be planted with native species.

PRESERVING CULTURAL RESOURCES

Beginning in 1869, the drydocks located at Hunters Point were used for commercial and, later, Navy ships. Pump houses were used to empty water from the drydocks to allow for ship-hull, propeller and rudder inspection, maintenance, or repair.

Drydock 4 on Parcel C was identified as historically significant as a result of its use during the World War II era. In addition, six other structures in the immediate area have been grouped together and are recognized as an historic district: Drydock 2, Drydock 3, Gatehouse (Building 204), Pumphouse 2 (Building 205), Pumphouse 3 (Building 140), and Tool and Paint Building/Toilet (Building 207).

The Parcel C Commercial Drydock Historic District and Drydock 4 were placed on the National Park System's National Register of Historic Places in 2012. These historic sites are identified in Navy cleanup decisions and care is taken to maintain the integrity of the structures during all Navy cleanup activities.



The Parcel C Historic District
(Building 204, right forefront;
Building 205, left rear)

HPNS CLEANUP PROGRAM CONTACTS

The Navy and regulatory agencies working to clean up HPNS are available to answer your questions and provide program information.



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Additional Resources for Information on the Navy's Cleanup at HPNS



HPNS Homepage

www.bracpmo.navy.mil/hpns

a link to the online HPNS Administrative Record is provided on the home page

HPNS Radiological Cleanup Program

www.bracpmo.navy.mil/hpnsrc



HPNS Email

info@sfhpn.com

send a message or comment request to join a mailing list



HPNS Info Line

(415) 295-4742

learn more or leave a message
English, Cantonese, Spanish supported



**San Francisco Main Public Library
Gov't Information Center, 5th Floor
100 Larkin Street**

San Francisco, CA 94102
review a document at the local
HPNS Information Repository



有关海军在猎人角海军造船厂的清理活动方案的更多信息，
请拨打 (833) 350-6222 并留言。

Para más información sobre el programa de limpieza de
la Marina en Hunters Point Naval Shipyard, favor de
dejar un mensaje en (833) 202-5888.

An important element of the Navy's cleanup solution at HPNS is rebuilding the shoreline to protect against future sea level rise and prevent contamination from entering the San Francisco Bay.

In late 2019, shoreline protection at Parcel E-2 was complete, including construction of a protective rock barrier (known as a "revetment") to stop erosion from the site and a 3-foot-high cement sea wall to prevent Bay waters from washing up over the rock barrier.

Together, the sea wall and revetment span 1,800 feet, are approximately 35 feet wide, and reach a height of 12 feet above mean sea level.

In addition to shoreline protection, the revetment and sea wall will protect an important part of the Bay Trail, providing outdoor enthusiasts a link to a 500-mile walking and cycling path planned around the entire San Francisco Bay.



View of final revetment and sea wall at Parcel E-2 (looking northwest)