



Final

2010 Site Management Plan

Naval Station Treasure Island San Francisco, California

October 29, 2010

Prepared for:

**Base Realignment and Closure
Program Management Office West
San Diego, California**

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Prepared under:

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Contract Task Order FZN6**

Final

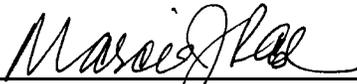
**2010 Site Management Plan
Naval Station Treasure Island
San Francisco, California**

**Tetra Tech NUS Contract Number N62467-04-D-0055
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PREPARED FOR:

DEPARTMENT OF THE NAVY

REVIEW AND APPROVAL

Project Manager: 
Marcie Rash, Tetra Tech EM Inc.

Date: October 29, 2010

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ACRONYMS AND ABBREVIATIONS

ACM	Asbestos-containing material
AST	Aboveground storage tank
ATG	Allied Technology Group, Inc.
Bay	San Francisco Bay
BCT	Base Realignment and Closure Cleanup Team
BRAC	Base Realignment and Closure
Cal/EPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CAP	Corrective action plan
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CRP	Community relations plan
DDT	Dichlorodiphenyltrichloroethane
DTSC	Department of Toxic Substances Control
EBS	Environmental baseline survey
ed	Electronic day
EE/CA	Engineering evaluation/cost analysis
ERM West	Environmental Resources Management West, Inc.
FFS	Focused feasibility study
FFSRA	Federal Facility Site Remediation Agreement
FHWA	Federal Highway Administration
FOSET	Finding of suitability for early transfer
FOSL	Finding of suitability to lease
FOST	Finding of suitability to transfer
FS	Feasibility study
GPR	Ground-penetrating radar
GWM	Groundwater monitoring
HHRA	Human health risk assessment
HRA	Historical radiological assessment
HUD	U.S. Department of Housing and Urban Development
IR	Installation Restoration
ISB	In situ bioremediation
LBP	Lead-based paint
LUC	Land use control
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual

ACRONYMS AND ABBREVIATIONS (Continued)

N/A	Not applicable
NAVSTA TI	Naval Station Treasure Island
Navy	Department of the Navy
NFA	No further action
NTCRA	Non-time-critical removal action
OWS	Oil-water separator
PAH	Polycyclic aromatic hydrocarbon
PA/SI	Preliminary assessment/site inspection
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene (or perchloroethene)
PP	Proposed plan
RA	Remedial action
RAB	Restoration Advisory Board
RAP	Remedial action plan
RASO	Radiological Affairs Support Office
RD	Remedial design
Regional Water Board	Cal/EPA San Francisco Bay Regional Water Quality Control Board
RI	Remedial investigation
ROD	Record of decision
RTC	Response to comments
SFOBB	San Francisco-Oakland Bay Bridge
Shaw	Shaw Environmental, Inc.
SI	Site inspection
SSPORTS	Supervisor of Shipbuilding, Conversion, and Repair, Portsmouth, Virginia, Environmental Detachment, Vallejo
SVOC	Semivolatile organic compound
SWDA	Solid waste disposal area
TBD	To be determined
TCE	Trichloroethene
Tetra Tech	Tetra Tech EM Inc.
TI	Treasure Island
TPH	Total petroleum hydrocarbon
TSCA	Toxic Substances Control Act
USC	<i>United States Code</i>
USCG	U.S. Coast Guard
UST	Underground storage tank
VOC	Volatile organic compound
WWTP	Wastewater treatment plant
YBI	Yerba Buena Island

1.0 INTRODUCTION

This is an annual update to the Naval Station Treasure Island (NAVSTA TI) Environmental Site Management Plan (SMP). The plan provides (1) the annual status of the strategies for the ongoing basewide environmental programs, and (2) an update to the schedules presented in the 1992 Federal Facility Site Remediation Agreement (FFSRA) for NAVSTA TI. The schedules included herein support the Joint California Execution Plan for NAVSTA TI, and the State's use of the Envirostor deliverable tracking system, which is updated annually by the Department of the Navy (Navy) and the California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC). This plan reflects the Navy's current site-specific strategies and schedules to achieve site closure in a manner that is consistent with state and federal environmental requirements. The applicable environmental requirements are in programs that include the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Program, the Petroleum Program, the Polychlorinated Biphenyls (PCB) Program, the Residential Lead-Based Paint (LBP) Program, the Asbestos-Containing Material (ACM) Program, and the Radiological Program. These strategies represent an ongoing closure process of the Installation Restoration (IR) Program; as a result, the strategies and related schedules are subject to change.

The Department of Defense developed the IR Program in 1981 to comply with CERCLA and other federal and state environmental regulatory requirements. The IR Program is specific to military facilities and its purpose is twofold: (1) to identify, investigate, and clean up or control releases of hazardous substances, and (2) to reduce the risk to human health and the environment in a cost effective manner. NAVSTA TI's IR Program consists of two programs: the CERCLA Program and the Petroleum Program. Under the CERCLA Program, environmental investigations and cleanup began on NAVSTA TI in the mid-1980s and continues today. The initial facility-wide Preliminary Assessment/Site Inspection (PA/SI) was conducted in 1987 to identify areas on Treasure Island (TI) and Yerba Buena Island (YBI) that required further investigation. The Navy identified 33 IR sites (24 CERCLA Sites, 9 Petroleum Sites) on TI and YBI.

Since 1987, the CERCLA program has evolved to include the following 24 sites:

- 11 CERCLA sites have been closed:
 - Sites 2, 18, and 23 as No Further Action (NFA) in PA/SI
 - Sites 1, 3, and 7 as NFA in Additional Site Investigation (SI)
 - Sites 9 and 10 as NFA in a Record of Decision (ROD)
 - Site 13 as NFA in ROD
 - Sites 5 and 17 merged with Site 24
- 13 CERCLA sites remain open:
 - Six of these sites had interim removal actions (Sites 12, 21, 24, 30, 31, 32)

The Petroleum Program includes nine petroleum sites along with numerous underground storage tanks (UST) and fuel lines throughout TI and YBI. Since 1987, the following has evolved:

- 4 Petroleum sites were combined into 2 sites (Sites 4/19 and 14/22)
- 7 Petroleum sites have been closed:
 - Sites 4/19, 14/22, 15, 16, 20
- 2 petroleum sites remain open:
 - Sites 6 and 25
- Various USTs and pipeline sites have been closed (see [Appendix A](#) for details)

This document is organized into two main sections (including this introduction), followed by tables, figures, and three appendices. [Section 2.0](#) provides an overview of the assumptions used to develop the site-specific schedules. These assumptions are driven by Navy contract funding execution plans, fiscal year remedial activities, and document production and review periods. [Table 1](#) presents the durations for standard production and review of the primary and secondary documents to be produced. Additional site-specific detail is provided on the information sheets included in [Appendix A](#) and in the environmental schedule provided in [Appendix B](#). The Draft Site Management Plan was submitted to the Base Realignment and Closure (BRAC) Cleanup Team (BCT) on April 19, 2010, and BCT comments were discussed at the May 5, 2010 BCT meeting. Written comments from the Restoration Advisory Board (RAB) were received on April 28, 2010, and during the SMP meeting on October 20, 2010. Responses to the RAB comments and a summary of the discussed BCT comments are provided in [Appendix C](#).

Completion dates for the forthcoming NAVSTA TI CERCLA documents are summarized by site in [Table 2](#). A summary of Petroleum Program closeout status is provided in [Table 3](#). [Table 4](#) is a schedule change tracking sheet that provides a brief reason for each schedule change reflected in [Table 2](#) and [Appendix B](#).

The NAVSTA TI Basewide Environmental Cleanup Program is illustrated on [Figure 1](#); the figure depicts the various program sites and transfer parcels on both TI and YBI. The current program status for each site is included on the reverse side of [Figure 1](#).

The steps in the environmental closeout strategy for site closure under the CERCLA and Petroleum Programs are illustrated as flowcharts on [Figures 2 and 3](#), respectively. [Figure 4](#) and [Figure 5](#) present the timeline for site closure based on the site-specific schedules for the CERCLA and the Petroleum Programs, respectively. The locations of USTs on TI and YBI are shown on [Figures 6 and 7](#), respectively. The status of the PCB program is shown on [Figure 8](#). Transfer-related and environmental baseline survey (EBS) parcels are depicted on [Figure 9](#). The reuse scenarios presented in the 1996 draft reuse plan are shown on [Figure 10](#). The September 2008 TI/YBI Redevelopment Project Conceptual Land Plan, prepared for TIDA, is shown on [Figure 11](#).

2.0 SCHEDULE ASSUMPTIONS

A list of assumptions for the FFSRA schedule was developed and agreed to by the BCT for NAVSTA TI. Each of the site-specific schedules is based on these assumptions, which are presented below. The approved production and review periods have been published in the annual “Site Management Plan Naval Station Treasure Island, San Francisco, California,” formerly referred to as the, “Environmental Closeout Strategy and Schedules,” since July 30, 2004. [Table 1](#) presents the standard production and review periods for both primary and secondary documents. [Table 2](#) summarizes completion dates by site for each step of the CERCLA closure process. These dates reflect the site-specific schedules provided in [Appendix B](#). [Table 3](#) summarizes the current closure status of sites in the Petroleum Program.

The assumptions below are incorporated into the FFSRA schedule for NAVSTA TI. Any modifications in the assumptions could necessitate a significant change in the schedule.

1. The Navy will reissue updates to the FFSRA schedule annually.
2. If the schedule changes for a document or other activity (such as field work) that is the critical path for subsequent activities or documents, then the schedule for these subsequent activities or documents will be accepted by the BCT. These changes will be documented in a schedule change tracking form (presented in [Table 4](#)).
3. Consistent with the FFSRA, primary documents include remedial investigation (RI) reports, engineering evaluations/cost analyses (EE/CA), action memoranda, feasibility studies (FS), proposed plans (PP), RODs, remedial action plans (RAP), and remedial designs (RD). Findings of suitability to transfer (FOST) will also follow the primary document schedule. All other documents are considered secondary.
4. The compliance program schedules are not required by the FFSRA. These compliance programs include Residential LBP, and other programs such as Petroleum and PCBs. The Petroleum, PCB, and Residential LBP Program schedules are included for planning purposes, and are not enforceable by the regulatory agencies.
5. The specific closeout strategy and schedules for Sites 8, 11, and 29, and inactive fuel lines YF3 and U.S. Coast Guard (USCG) are impacted due to continued San Francisco-Oakland Bay Bridge (SFOBB) construction activities being performed by California Department of Transportation (Caltrans) in these areas.
6. In accordance with the FFSRA schedule, all parties have agreed to the following sequential process for the review of all primary documents (see revised production and review periods in [Table 1](#)):
 - A “scoping meeting” is included as a placeholder for the Navy and regulatory agencies to discuss the objectives of the document prior to preparing the document.
 - The Navy will be allowed at least a 90-day period to develop internal draft documents.

- A 30-day period will be provided for the Navy to review internal draft documents.
 - A 60-day period will be provided for the Navy Radiological Affairs Support Office (RASO) to review documents with radiological components.
 - A 14-day period will be included for the Navy to distribute draft documents to the regulatory agencies. For FS, PP, ROD, and FOST documents, a 30-day period will be included for Navy legal review, followed by a 14-day period to distribute the draft documents to the regulatory agencies.
 - A 30-day period will be provided for the regulatory agencies to review draft documents and submit written comments.
 - A 28-day period will be provided for the Navy to prepare preliminary responses to agency review comments received and distribute the responses to regulatory agencies for discussion and concurrence.
 - A “working meeting” is included as a placeholder for the Navy and regulatory agencies to discuss or resolve issues relating to a document. This working meeting may involve presenting the document and receiving or resolving comments submitted by the regulatory agencies.
 - A 30-day period will be provided for the Navy to develop internal final documents and finalize written responses to agency review comments that were submitted within the 30-day comment period.
 - A 10-day period will be included for the Navy to review internal final documents.
 - A 14-day period will be included for the Navy to distribute final documents.
 - A 14-day period will be included for the representatives of the regulatory agencies to accept the final documents. Documents automatically become final if no written comments are received within the 14-day comment period.
7. All parties have agreed to the following sequential process for all secondary documents (see revised production and review periods in [Table 1](#)):
- The Navy will be allowed at least a 30-day period to prepare internal draft documents.
 - A 14-day period will be provided for the Navy to review internal draft documents.
 - A 60-day period will be provided for the Navy Radiological Affairs Support Office (RASO) to review documents with radiological components.
 - A 7-day period will be included for the Navy to distribute draft documents to the regulatory agencies.
 - A 30-day period will be included for the regulatory agencies to review draft documents and submit written comments.

- A “working meeting” is included as a placeholder for the Navy and regulatory agencies to discuss or resolve issues relating to a document. This working meeting may involve presenting the document and receiving or resolving review comments submitted by the regulatory agency.
 - A 33-day period will be provided for the Navy to develop internal final documents and written responses to agency review comments that were submitted within the 30-day comment period.
 - A 14-day period will be included for the Navy to review internal final documents.
 - A 14-day period will be included for the Navy to distribute final documents.
 - A 14-day period will be provided for the representatives of the regulatory agencies to accept the final documents. Documents automatically become final if no written comments are received within the 14-day comment period.
8. In general, the following distribution will be followed for all documents, although certain exceptions or additions may apply to specific documents:
- Regulatory agencies (DTSC, the Cal/EPA San Francisco Bay Regional Water Quality Control Board [Regional Water Board], and U.S. Environmental Protection Agency, the City of San Francisco and its contractors, the Restoration Advisory Board (RAB) co-chair, and the RAB technical focus group will receive copies of primary and secondary documents.
 - Copies of all primary and secondary documents will be available in the information repositories and are also listed in the administrative record.
9. Time for laboratory analysis and data validation is included in the dates specified for field work.
10. The current site evaluation criteria will not change significantly to delay the documents or field investigations.
11. For planning purposes, the durations of the field investigations are assumed to be (1) 90 days for a single-phase event, and (2) 180 days for a multiple-phase event, up to three phases.
12. For planning purposes, the remedial action (RA) field durations are assumed to be (1) 90 days for a small to medium RA with no groundwater concerns, (2) 250 days for a large RA with no groundwater concerns, and (3) 365 days for an RA with groundwater concerns.

TABLE 2: SUMMARY OF FORTHCOMING CERCLA DOCUMENTS AND PHASES
 Site Management Plan, Naval Station Treasure Island, San Francisco, California

CERCLA Primary Documents	Date Complete	CERCLA Primary Documents	Date Complete
Site 6 (CERCLA)		Site 27	
RI/FS	8/13/11	✓ <i>Revised FS</i>	8/13/10
PP/ROD/RAP	8/3/14	PP/ROD/RAP	3/24/12
RD/RA	12/5/15	RD/RA	9/15/13
Site 12		Site 28	
RI	8/14/11	✓ <i>RI</i>	4/1/09
SWDA NTCRA	12/27/11	PP/ROD/RAP	12/24/10
Bigelow Court NTCRA	1/18/12		
FS	10/4/12	Site 30	
PP/ROD/RAP	4/19/16	✓ <i>PP/ROD/RAP</i>	8/5/09
RD/RA	8/13/18	Land Use Control Work Plan	11/24/10
Site 21		Sites 31/33	
✓ <i>FS</i>	3/31/09	✓ <i>PP/ROD/RAP (Site 31 only)</i>	8/5/09
PP/ROD/RAP	12/2/11	RD/RA	12/22/11
RD/RA (GWM)	1/4/18		
Site 24		Site 32	
PP/ROD/RAP	9/19/11	✓ <i>RI</i>	10/30/08
RD/RA (GWM)	1/26/18	PP/ROD/RAP	10/28/12

Notes:

PP/ROD/RAP end date is considered the date the ROD is signed.

The "Date Complete" represents the end date of the final document as reflected in the Environmental Schedule in [Appendix B](#).

Sites 1 and 3 received closure concurrence from DTSC on March 20, 2002. Site 7 received DTSC closure concurrence on November 1, 2005. Sites 5 and 17 were incorporated into Site 24 under both the CERCLA and Petroleum Programs. A No Action ROD was completed for Site 13 on April 7, 2005. A No Action ROD for Sites 9 and 10 was signed on October 2, 2007.

Property at Sites 8, 11, and 29 was transferred to Caltrans in 2001, and interim RI reports were completed in 2009 and 2010.

The schedules for Sites 31 and 33 were combined to reflect the change in the Site 33 closure process.

- ✓ Complete
- Caltrans California Department of Transportation
- CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
- DTSC Department of Toxic Substances Control
- FS Feasibility study
- GWM Groundwater monitoring
- NTCRA Non-time-critical removal action
- PP Proposed plan
- RA Remedial action
- RAP Remedial action plan
- RD Remedial design
- RI Remedial investigation
- ROD Record of decision
- SWDA Solid waste disposal area

TABLE 3: PETROLEUM SITE SUMMARY

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
UST 1A, 1E, 368A, and 2C	38D9601 38D9602 38D9603 38D9604	UST 1A UST 1E UST 368A UST 2C	UST Closure	Draft UST Closure Report for UST Sites 1A, 1E and 368A at Naval Station Treasure Island. October 2000. AGS Inc. Draft Summary Report of UST Removals, Naval Station Treasure Island. January 20, 1994. PRC Environmental Management, Inc.	February 25, 2002	Regional Water Board UST case closure letter.
UST 180C, Building 180	38D9605	UST 180C	UST Closure	Final Closure Report Building 180 Request for No Further Action. August 15, 2005. Shaw Environmental, Inc.	October 11, 2005	Regional Water Board UST case closure letter.
Pipeline D4A UST 201	38D9606	Pipeline	Pipeline NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board NFA ¹ concurrence letter.
		UST 201	UST Closure	Draft Final UST Investigation Report for UST Sites 143, 180C, 201, 227, and 368B at Naval Station Treasure Island. January 2001. AGS Inc. Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board UST case closure letter.
Building 227	38D9607	UST 227	UST Closure	Final Closure Report, Site 227, Request for No Further Action, Naval Station Treasure Island. August 16, 2004. Shaw Environmental, Inc.	September 21, 2004	Regional Water Board UST case closure letter.
UST 368B	38D9608	UST 368B	UST Closure	Final Closure Report UST 368B Request for No Further Action, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	December 17, 2003	Regional Water Board UST case closure letter.

¹ USTs with known releases to the environment are closed pursuant to Title 23 of the *California Code of Regulations*. If the UST was used to store heating oil and had a capacity of less than 1,100 gallons or a release has not occurred, the Navy will request NFA and submit a letter to the Regional Water Board for concurrence. For UST sites that have received no further action concurrence, the Navy has demonstrated to the Regional Water Board that no further action is required. For UST sites that have received regulatory closure, the Navy has completed all site investigations and remedial action related to the UST site.

TABLE 3: PETROLEUM SITE SUMMARY (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
Site 6	38D9609	USTs (240A; 240B; 248A; 248B; 248C; 248D) ASTs (248; 240)	UST Closure, AST NFA, Site NFA	Final Closure Report Site 06 Request for No Further Action, Naval Station Treasure Island. December 16, 2005. Shaw Environmental, Inc.	TBD	Petroleum program investigations completed, report requesting NFA concurrence submitted, concurrence with NFA not granted ² . Ongoing groundwater monitoring at the site. Navy is evaluating path to closure for USTs 240 and 248.
Sites 14/22	38D9610	ASTs (4; 5; 456) Existing Decommissioned ASTs (6A; 6B; 6C; 6E; 6F; 6G) Removed USTs (85; 330A; 330B; 330E; 330F)	UST Closure AST NFA Site NFA	Final Closure Report Site 14/22 Request for No Further Action, Naval Station Treasure Island. June 13, 2005. Shaw Environmental, Inc.	July 18, 2005	Regional Water Board NFA concurrence letter.
Site 20	38D9611	See UST 225A-D	Site NFA	Final Closure Report Site 20 Request for No Further Action Naval Station Treasure Island. January 2004. Tetra Tech EM Inc.	June 17, 2004	Regional Water Board NFA concurrence letter.
USTs 225 A-D	38D9611	USTs 225 A-D (Site 20)	UST Closure	Final Closure Report Site 20 Request for No Further Action Naval Station Treasure Island. January 2004. Tetra Tech EM Inc.	May 5, 2004	Regional Water Board UST case closure letter.

² Letter dated May 15, 2006, from A. Friedman, Regional Water Board, Water Resource Control Engineer, to Ellen Casados, Navy Remedial Project Manager. Regarding Regional Water Board Staff Comments on Final Closure Report, Site 6, Request for No Further Action, Naval Station Treasure Island, San Francisco.

TABLE 3: PETROLEUM SITE SUMMARY (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
USCG	38D9612	Pipeline	Pipeline NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	TBD	Regional Water Board did not concur with NFA and requested additional investigation ³ . Investigation is on hold until completion of SFOBB project. USTs associated with this site are tracked on a separate line.
		UST 270	UST Closure	Final UST Investigation Report, for Former UST Tank Site 270 at Naval Station Treasure Island. August 1999. ERM West. Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board UST case closure letter.
Building 66	38D9613	UST 66	UST Closure	Final Post Construction Summary Report Building 66 Remedial Excavation Naval Station Treasure Island. December 11, 2002. IT Corporation	October 23, 2002	Regional Water Board UST case closure letter.
USTs 204	38D9614	USTs 204 A, B, C, D (No release)	UST NFA	Final Post Construction Summary Report, UST Sites 204, 237, and 238, Naval Station Treasure Island. May 24, 2004. Shaw Environmental, Inc.	June 17, 2004	Regional Water Board NFA concurrence letter.

³ Letter date illegible (February 2004) from S. Raker, Regional Water Board Engineering Geologist, to Ellen Casados, Navy Remedial Project Manager, Concurrence on Final Corrective Action Plan (CAP), Inactive Fuel Lines, Naval Station Treasure Island.

TABLE 3: PETROLEUM SITE SUMMARY (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
UST 237	38D9614	UST 237 (previously suspected)	UST NFA	Final Post Construction Summary Report, UST Sites 204, 237, and 238, Naval Station Treasure Island. May 24, 2004. Shaw Environmental, Inc.	June 17, 2004	NFA for UST 237 requested; however, petroleum-impacted soil (likely from the USCG site) remains in the vicinity. Report recommends additional investigation. Since a tank was not present, a case closure letter is not required.
Site 25	38D9615	USTs (2B; 143A-I)	UST Closure, Site NFA	Final Closure Report Site 25 Request for No Further Action, Naval Station Treasure Island. December 7, 2005. Shaw Environmental, Inc. Final Addendum to Closure Report Site 25 Request for No Further Action, Naval Station Treasure Island. January 29, 2010. Shaw Environmental, Inc.	TBD	Petroleum program investigations completed, report requesting NFA concurrence submitted, concurrence with NFA not granted ⁴ . Additional soil samples were collected in 2009 and a final revised request for NFA concurrence has been submitted. Water Board requested additional soil gas sampling.
Pipeline D1B	38D9616	None	Groundwater and Site NFA	Final Addendum to Closure Report, Site D1B, Request for No Further Action for Shallow Soils, Naval Station Treasure Island. February 28, 2006. Shaw Environmental, Inc.	May 15, 2006	Regional Water Board NFA concurrence letter.
		None	Shallow Soil NFA	Final Closure Report, Site D1B, Request for No Further Action for Shallow Soils, Naval Station Treasure Island. April 18, 2005. Shaw Environmental, Inc.	July 20, 2005	Regional Water Board NFA concurrence letter.

⁴ Letter dated May 15, 2006, from A. Friedman, Regional Water Board, Water Resource Control Engineer, to Ellen Casados, Navy Remedial Project Manager. Regarding Regional Water Board Staff Comments on Final Closure Report, Site 25, Request for No Further Action, Naval Station Treasure Island, San Francisco.

TABLE 3: PETROLEUM SITE SUMMARY (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
Pipeline F2A/F2B	38D9617	USTs (14A; 14B) (suspected removed) ASTs (103; 104)	UST NFA, AST NFA, Site NFA	Final Closure Report, Sites F2A and F2B, Request for No Further Action, Naval Station Treasure Island. July 15, 2005. Shaw Environmental, Inc.	August 19, 2005	Since tanks are not present, a case closure letter is not required. (The Regional Water Board concurred NFA required for USTs and ASTs in a May 9, 2005 letter.)
Site 15	38D9618	None	AST and Site NFA	Final Closure Report, Site 15, Request for No Further Action, Naval Station Treasure Island. September 15, 2004. Shaw Environmental, Inc.	September 27, 2004	No USTs are associated with this site.
		None	Shallow Soil NFA	Final Post Construction Summary Report, Site 15 Remedial Excavation, Naval Station Treasure Island. November 19, 2003. Shaw Environmental Inc.	December 1, 2003	Regional Water Board NFA concurrence letter.
UST QR08, 230, and 257	38D9701	UST QR08	UST Closure	Underground Storage Tank Removal Summary Report for Tanks 248A, 248B, 257, QTR8, 180D, and 180E Naval Station Treasure Island. March 1997. Navy. Draft Tank Removal Summary Report, Naval Station Treasure Island, California. August 31, 1990. PRC Environmental Management, Inc. (Includes UST 230 TI.)	October 3, 1997	Regional Water Board UST case closure letter.
	38D9702	UST 230 (TI)				
	38D9703	UST 257				

TABLE 3: PETROLEUM SITE SUMMARY (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
UST 1B, 1C, 1D, 1F, 2A, 2D, 111, 169, 180A, 180B, 300D, and 330C	38D9704	UST 1B	UST Closure	Report on Abandoned Underground Storage Tank Investigation at Naval Station Treasure Island. April 1989. ERM West.	July 22, 1996	Regional Water Board UST case closure letter.
	38D9704	UST 1C				
	38D9704	UST1D				
	38D9705	UST 1F				
	38D9706	UST 2A				
	38D9707	UST 2D				
	38D9708	UST 330C				
	38D9708	UST 330D				
	38D9709	UST 180A				
	38D9709	UST 180B				
	38D9710	UST 111				
38D9711	UST 169					
UST 469 (1G)	UTOO3878	UST 469	City and County of San Francisco UST Closure UST Closure	Draft Final UST Closure Report at Building 369, Naval Station Treasure Island. May 2000. AGS Inc.	July 7, 2000	City and County of San Francisco UST Closure letter.
UST 238 (YBI)	--	UST 238 (YBI)	UST Closure	--	TBD	Suspected tank in USCG Site. Ground-penetrating radar was inconclusive in search for the tank; further investigation on hold until completion of SFOBB project. ⁵

⁵ Letter dated June 17, 2004, from S. Raker, Regional Water Board Engineering Geologist, to Ellen Casados, Navy Remedial Project Manager. Regarding Concurrence on Request for No Further Action, USTs 204 and 237, Naval Station Treasure Island, San Francisco.

TABLE 3: PETROLEUM SITE SUMMARY (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
Pipeline YF3	--	None	Pipeline NFA	--	TBD	Regional Water Board letter received February 12, 2004, requested additional investigation. Investigation is on hold until completion of SFOBB project. The Navy is planning additional investigation.
UST 140, 221, 230	--	UST 140 (TI) UST 221 (YBI) UST 230 (YBI) (previously suspected)	UST NFA, UST Closure (221)	Final Post Construction Summary Report, UST Sites 140, 221, and 230, Naval Station Treasure Island. May 6, 2004. Shaw Environmental, Inc.	June 17, 2004 Not Received (UST 221)	UST 140: previously suspected tank. Unable to locate with further investigation, Regional Water Board concurred with NFA. UST 230: previously suspected tank. Unable to locate with further investigation, Regional Water Board concurred with NFA. UST 221 located and removed, no evidence of leaking observed, Navy requested closure of UST, Regional Water Board concurred with NFA. Therefore no closure letter required.
Site 16	--	10 Former ASTs	Site NFA	Final Closure Report Site 16 Clipper Cove Tank Farm Request for No Further Action, Naval Station Treasure Island. April 27, 2004. Shaw Environmental, Inc.	June 17, 2004	Regional Water Board NFA concurrence letter.
Pipeline YF2	--	None	Pipeline NFA	Final Post Construction Summary Report, YF2, Naval Station Treasure Island San Francisco. June 2, 2004. Shaw Environmental, Inc.	June 17, 2004	Regional Water Board NFA concurrence letter.

TABLE 3: PETROLEUM SITE SUMMARY (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
Pipeline D1A	--	None	Pipeline NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board NFA concurrence letter.
Pipeline D1C	--	None	Pipeline NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board NFA concurrence letter.
Pipeline D2A	--	UST 26 (suspected removed)	Pipeline/UST NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board NFA concurrence letter.
Pipeline D2B	--	None	Pipeline NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board NFA concurrence letter.
Pipeline D4B	--	UST 29 (suspected removed)	Pipeline/UST NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board NFA concurrence letter.
Pipeline D5	--	UST 15 (suspected removed)	Pipeline/UST NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board NFA concurrence letter.
Pipeline YF1	--	None	Pipeline NFA	Final CAP Inactive Fuel Lines, Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	February 10, 2004	Regional Water Board NFA concurrence letter.
Site 04/19	--	None	Site NFA	Final Closure Report Site 04/19 Request for No Further Action Naval Station Treasure Island. December 2003. Tetra Tech EM Inc.	December 17, 2003	Regional Water Board NFA concurrence letter.
Facilitywide UST	--	16 previously suspected USTs	UST NFA	Final Facility-wide Underground Storage Tank Summary Report, Naval Station Treasure Island. October 2003. Tetra Tech EM Inc.	December 2, 2003	Regional Water Board NFA concurrence letter.

TABLE 3: PETROLEUM SITE SUMMARY (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Petroleum Program Site	Water Board Case Number	Associated USTs/ASTs	Closure Report Requests NFA/Closure	Closure Report	Closure Letter Date	Comments
Home Heating Oil UST 57 and 234	--	UST 57 UST 234	UST NFA	Report on Abandoned Underground Storage Tank Investigation at Naval Station Treasure Island. April 1989. ERM West.	September 5, 2003	
Parcel T086	--	None	Site NFA	Final Post Construction Summary Report Parcel T086 Exploratory Trenching Naval Station Treasure Island. June 11, 2003. Shaw Environmental, Inc.	July 9, 2003	Regional Water Board NFA concurrence letter.
Building 530 Pipeline	--	None	Pipeline NFA	Final Post Construction Summary Report Building 530 Pipeline Removal and Closure Naval Station Treasure Island. June 11, 2003. IT Corporation.	July 9, 2003	Regional Water Board NFA concurrence letter.
Causeway Pipeline	--	None	Pipeline NFA	Final Post Construction Summary Report Causeway Pipeline Removal and Closure Naval Station Treasure Island. January 20, 2003. IT Corporation.	March 11, 2003	Regional Water Board NFA concurrence letter.
Home Heating Oil UST 1-7, 9, 10, 62, and 240	--	UST 1-7, 9, 10, 62, and 240	UST NFA	Summary of the Closure-in-Place of Eleven Underground Home Heating Oil Tanks at Yerba Buena Island, Naval Station Treasure Island. December 31, 1996. Navy.	July 23, 2002	Regional Water Board NFA concurrence letter.
UST 180D and 180E	--	UST 180D and 180E (no release)	UST NFA	Underground Storage Tank Removal Summary Report for Tanks 248A, 248B, 257, QTR8, 180D, and 180E Naval Station Treasure Island. March 1997. Navy.	October 3, 1997	Regional Water Board NFA concurrence letter.

Notes: Gray shading indicates action required. **Bold text** indicates sites that are not closed.

AST	Aboveground storage tank	SFOBB	San Francisco-Oakland Bay Bridge
CAP	Corrective Action Plan	TBD	To be determined
ERM West	Environmental Resources Management West, Inc.	TI	Treasure Island
GPR	Ground penetrating radar	USCG	U.S. Coast Guard
N/A	Not applicable	UST	Underground storage tank
NFA	No further action	YBI	Yerba Buena Island
Regional Water Board	Cal/EPA San Francisco Bay Regional Water Quality Control Board		

TABLE 4: SCHEDULE CHANGE TRACKING FORM – APRIL 2010 THROUGH OCTOBER 2010

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Site	Item	April 2010 Finish Date	October 2010 Finish Date	Change*	Change in Months	Reason	Initiator
CERCLA Program							
Site 6	RI Report	1/18/12	8/13/11	Early	5	Data gap investigation was completed early; combined RI and FS into one document	Navy
	FS Report	10/14/12	8/13/11	Early	14	Combined with RI report	Navy
	RCA Final Status Survey (Work Plan)	--	2/1/12	Added	--	Radiological survey of RCA is required after all soil from Site 12 SWDA removal action is disposed	Navy
	RCA Final Status Survey (Field Work)	--	3/2/12	Added	--		
	RCA Final Status Survey Report	--	3/17/13	Added	--		
	PP / Draft RAP	7/9/13	11/8/13	--	--	Durations remain unchanged, but start dates were shifted because PP/Draft RAP is linked to RCA Final Status Survey report	Navy
	ROD / RAP	4/2/14	8/3/14	--	--		
	Remedial Design (if necessary)	9/9/14	1/10/15	--	--		
	Remedial Action (if necessary)	8/4/15	12/5/15	--	--		
	Site Completion	9/3/15	1/4/16	Delayed	4		
Site 12	Arsenic in Groundwater Pilot Study / Report	7/20/11	7/19/12	Delayed	12	Added additional time to conduct pilot study	Navy
	HHRA Technical Memorandum	6/14/10	10/18/10	Delayed; completed	2	Additional time needed to prepare risk evaluation	Contractor
	RI Report	12/13/10	8/14/11	Delayed	8	Due to receipt of Arsenic Pilot Study data; delays with the HHRA Tech Memo and receipt of agency review comments	Contractor, DTSC
	NTCRA SWDAs	12/27/10	6/30/11	Extended	6	Removal action activities delayed primarily due to radiological issues	Navy, Contractor
	SWDA Final Status Survey Work Plan (Master Plan)	9/8/11	8/5/11	Early	1	Original start date was estimated (December 2010). Work plan increased from 255 days to 389 days to include more review time (including RASO review)	Navy

TABLE 4: SCHEDULE CHANGE TRACKING FORM – APRIL 2010 THROUGH OCTOBER 2010 (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Site	Item	April 2010 Finish Date	October 2010 Finish Date	Change*	Change in Months	Reason	Initiator
CERCLA Program (Continued)							
Site 12 (cont'd)	SWDAs Final Status Survey (Field Work)	1/6/12	9/4/11	Early	4	Decreased from 120 days to 30 days	Navy
	SWDA Final Status Survey Report	10/24/12	--	--	--	Process changed from producing one report to SWDA unit-specific reports	Navy
	SWDA A&B Final Status Survey Report (Unit 1)	--	9/25/12	Added	--		
	SWDA A&B Final Status Survey Report (Unit 2)	--	12/22/12	Added	--		
	SWDA A&B Final Status Survey Report (Unit 3)	--	3/20/13	Added	--		
	SWDA A&B Final Status Survey Report (Unit 4)	--	6/16/13	Added	--		
	SWDA A&B Final Status Survey Report (Unit 5)	--	9/12/13	Added	--		
	SWDA A&B Final Status Survey Report (Bayside)	--	12/9/13	Added	--		
	SWDA A&B Final Status Survey Report (Northpoint)	--	3/7/14	Added	--		
	RACR for NTCRA SWDAs	5/18/11	10/9/14	Delayed	41	Delayed to prepare after radiological final status survey work plan, field work, and reports for SWDAs; includes HHRA for SWDA CERCLA contaminants only	Navy
	NTCRA Work Plan (Bigelow Court)	5/11/11	5/13/11	--	--	Award date was three months early, but added approx. 80 days for internal draft preparation and review time (including RASO)	Navy
	NTCRA Field Work (Bigelow Court)	11/7/11	8/11/11	Early	3	Decreased duration from 160 days to 90 days	Navy
	Post-Construction Removal Action Report (Bigelow Court)	4/15/12	1/18/12	Early	3	Due to decrease in field work time	Navy
	Backyard Field Investigation (if necessary)	2/13/11	8/6/11	To be cancelled	6	Conclusions of HHRA Tech Memo determined a backyard field investigation is not necessary	All

TABLE 4: SCHEDULE CHANGE TRACKING FORM – APRIL 2010 THROUGH OCTOBER 2010 (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Site	Item	April 2010 Finish Date	October 2010 Finish Date	Change*	Change in Months	Reason	Initiator
CERCLA Program (Continued)							
Site 12 (cont'd)	FS Report	2/13/12	10/4/12	Delayed	8	Duration remains unchanged, but start date was shifted to link FS report to RI report and SWDA post-removal action HHRA	Navy
	PP / Draft RAP	11/5/12	7/28/15	--	--	Durations remain unchanged, but start dates were shifted because PP/Draft RAP is linked to SWDA RACR	Navy
	ROD / RAP	7/29/13	4/19/16	--	--		
	Remedial Design	2/18/14	11/9/16	--	--		
	Remedial Action	7/3/15	3/24/18	--	--		
	Remedial Action Report	11/22/15	8/13/18	--	--		
	Site Completion	12/22/15	9/12/18	Delayed	33		
Site 21	Treatability Study	6/21/10	9/19/10	Delayed	3	Delay in completing field work	Navy, Contractor
	Treatability Study Report	12/9/10	2/25/11	Delayed	2	Two month delay in field work (original end date June 2010)	Navy, Contractor
	PP / Draft RAP	11/26/10	5/9/11	Delayed	6	Linked to begin after start of Treatability Study Report	Navy
	ROD / RAP	6/22/11	12/2/11	--	--	Durations remain unchanged, but start dates were shifted because PP/Draft RAP is linked to Treatability Study Report	Navy
	Remedial Design (if necessary)	2/29/12	8/10/12	--	--		
	Remedial Action / Report (if necessary)	11/6/17	1/4/18	--	--		
	Five Year Review	11/6/17	8/4/17	--	--		
	Site Completion	12/6/17	2/3/18	Delayed	2	Linked to Removal Action Report	Navy

TABLE 4: SCHEDULE CHANGE TRACKING FORM – APRIL 2010 THROUGH OCTOBER 2010 (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Site	Item	April 2010 Finish Date	October 2010 Finish Date	Change*	Change in Months	Reason	Initiator
CERCLA Program (Continued)							
Site 24	Expanded Treatability Study Monitoring	12/6/10	12/6/11	Delayed	12	Expanded to conduct enhancement sampling	Navy
	Expanded Treatability Study Report	5/26/11	6/25/11	Delayed	1	<i>Not linked to completion of monitoring</i>	Navy
	PP / Draft RAP	3/2/11	8/18/11	Delayed	6	Durations remain unchanged, linked to Treatability Study Report	Navy
	ROD / RAP	9/19/11	9/19/11	--	--		
	Remedial Design	5/3/12	4/8/12	Early	1	Award date of Remedial Design is planned to be one month earlier	Navy
	Remedial Action (5-Year Review Included)	2/20/18	1/26/18	Early	1		
	Site Completion	10/25/17	9/30/17	Early	1		
Site 27	FS Report	5/31/10	8/13/10	Delayed; Completed	3	Delay due to finalization of FS Report RTCs	Navy, BCT
	Boundary Change Letter	--	8/20/10	Added; Completed	--	Boundary changed to exclude onshore area	Navy
	PP / Draft RAP	4/16/11	7/2/11	Delayed	3	Durations remain unchanged, but start dates were shifted because PP/Draft RAP is linked to FS Report	Navy
	ROD / RAP	1/7/12	3/24/12	--	--		
	Remedial Design	8/17/12	11/2/12	--	--		
	Remedial Action	6/30/13	9/15/13	--	--		
Site Completion	7/30/13	10/15/13	Delayed	3			
Site 28	NFA ROD / RAP	11/24/10	12/24/10	--	--	--	--
	Site Completion	12/24/10	12/24/11	Delayed	12	Site closure delayed until after transfer of property and Tideland Trust exchange	DTSC
Site 29	Boundary Change Letter (On-Off Ramps)	--	12/13/10	Added	--	Boundary changed to exclude on-off ramp portion	Navy

TABLE 4: SCHEDULE CHANGE TRACKING FORM – APRIL 2010 THROUGH OCTOBER 2010 (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Site	Item	April 2010 Finish Date	October 2010 Finish Date	Change*	Change in Months	Reason	Initiator
CERCLA Program (Continued)							
Site 30	Land Use Control Work Plan	7/16/10	11/24/10	Delayed	3	Delay due to agency reviews and RTC concurrence	All
	2010 LUC Inspection and Reporting	11/3/10	2/25/11	Delayed	3	Durations remain unchanged, but start dates for the LUC inspections annually linked to Final LUC Work Plan Also, a Microsoft Project software conversion caused start dates for the LUC inspections to have start dates of July 2000 in the April 2010 SMP schedule 2014 LUC inspection also includes 5-year review	Navy
	2011 LUC Inspection and Reporting	11/2/11	2/25/12	Delayed	3		
	2012 LUC Inspection and Reporting	1/2/13	2/24/13	Delayed	1		
	2013 LUC Inspection and Reporting	11/6/13	2/24/14	Delayed	3		
	2014 LUC Inspection and Reporting / Five Year Review	11/5/14	9/9/15	Delayed	9		
	Site Completion	8/15/10	12/24/10	Delayed	3		
Sites 31/33	Explanation of Significant Differences for Site 31 ROD / RAP	--	3/28/11	Added	--	Site 33 will be added to Site 31 ROD/RAP because sites share similar history, have similar chemicals of concern, and will undergo same remedial action	Navy
	Phase 2 Remedial Action Field Work Plan for Sites 31 / 33	--	4/19/11	Added	--	Phase 1 completed on 7/13/10; Phase 2 awarded on 9/1/10	Navy
	Phase 2 Field Work for Sites 31 / 33	--	8/17/11	Added	--	Expanded to include Phase 2 and Site 33	Navy
	RACR for Sites 31 / 33	9/19/10	12/22/11	Delayed	15	Delayed to include remedial action for Site 33	Navy
	Site Completion for Sites 31 / 33	10/19/10	1/21/12	Delayed	15		
Site 32	Post-Construction Revised HHRA	11/17/10	9/1/10	Early; Completed	2	HHRA information delivered to BCT at September 2010 BCT meeting; agreement that a full revised HHRA was not necessary	Navy
	FS Report	9/3/11	--	Cancelled	--	BCT agreed FS is not necessary based on removal action conclusions	All

TABLE 4: SCHEDULE CHANGE TRACKING FORM – APRIL 2010 THROUGH OCTOBER 2010 (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Site	Item	April 2010 Finish Date	October 2010 Finish Date	Change*	Change in Months	Reason	Initiator
CERCLA Program (Continued)							
Site 32 (cont'd)	PP / Draft RAP	5/26/12	2/6/12	Early	3	Durations remain unchanged, but start dates were shifted because PP/Draft RAP is linked to the Site 32 (PCB) post-construction summary report (see below)	Navy
	ROD / RAP	2/15/13	10/28/12	Early	4		
	Remedial Design (if necessary)	9/27/13	--	Cancelled	--	Based on results of removal action, BCT agreed a remedial design is not necessary	All
	Remedial Action (if necessary)	8/10/14	--	Cancelled	--		
	Site Completion	9/9/14	11/27/12	Early	21		
Site 32 (PCB)	Post-Construction Summary Report	11/18/10	3/23/11	Delayed	4	Delayed for additional preparation time of the PCSR and additional agency review time for draft PCSR	Contractor, BCT
Site 33	Site 33 was combined with Site 31; see Sites 31/33 above for schedules						Navy
Petroleum Program							
Site 6 (UST 240)	Additional Investigation (Work Plan)	11/3/10	9/21/11	Delayed	10	Delayed award date	Navy
	Additional Investigation (Field Work)	1/2/11	11/20/11	--	--	Durations remain unchanged, but award date of additional investigation is delayed	Navy
	Additional Investigation (Report)	6/23/11	5/10/12	--	--		
	Water Board Concurrence	7/23/11	6/9/12	Delayed	12		
Site 6 (UST 248)	Closure and Water Board Concurrence	--	8/8/12	Added	--	Site closure and concurrence requested for Site 6 (UST 248)	Navy
Site 25	Soil Gas Work Plan / Field Work and Report	--	3/17/11	Added	--	Added based on the BCT's request for soil gas sample collection	BCT
	Water Board Concurrence	4/19/10	4/16/11	Delayed	12		

TABLE 4: SCHEDULE CHANGE TRACKING FORM – APRIL 2010 THROUGH OCTOBER 2010 (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Site	Item	April 2010 Finish Date	October 2010 Finish Date	Change*	Change in Months	Reason	Initiator
Petroleum Program (Continued)							
UST YF3	Add'l Investigation Work Plan / Field Work / Report	--	1/3/12	Added	--	Additional investigation necessary for YF3	Navy
	CAP Addendum	--	5/24/12	Added	--		
	CAP Addendum Implementation	--	9/21/12	Added	--		
	Post-Construction Summary Report	--	2/10/13	Added	--		
	Water Board Concurrence	--	2/25/13	Added	--		
Radiological Program							
Bldg 233	Pre-Demolition Survey	5/23/10	11/4/10	Delayed	5	Duration of pre-demolition survey extended by approximately 50 days	Contractor, Navy
	Demolition	7/7/10	12/18/10	Delayed	4	Linked to pre-demolition survey	Navy
	Footprint Final Status Survey Work Plan	12/10/10	3/19/11	Delayed	4	Duration extended by 4 months for additional review periods (including RASO)	Navy
	Footprint Final Status Survey Field Work	4/9/11	5/3/11	Delayed	2	Linked to work plan; field work reduced by 60 days	Navy
	Footprint Final Status Survey Report	11/18/11	12/6/11	Delayed	2	Linked to field work	Navy
	Site Completion	--	1/5/12	Added	--	Linked to Final Status Survey Report	Navy
Groundwater Monitoring Program							
Sites 6 and 12	2011 Quarterly Monitoring	--	7/21/12	Added	--	Annual quarterly monitoring plans were clarified and organized in schedule. Quarterly technical memorandums were removed. All sites that are currently being monitored and that require additional monitoring beyond 2011 will be combined into a basewide effort.	Navy
Sites 21, 24, 32	2011 Quarterly Monitoring	--	5/1/12	Added	--		Navy
Sites 6, 12, 21, 24, 32	2012 Quarterly Monitoring	--	4/27/13	Added	--		Navy

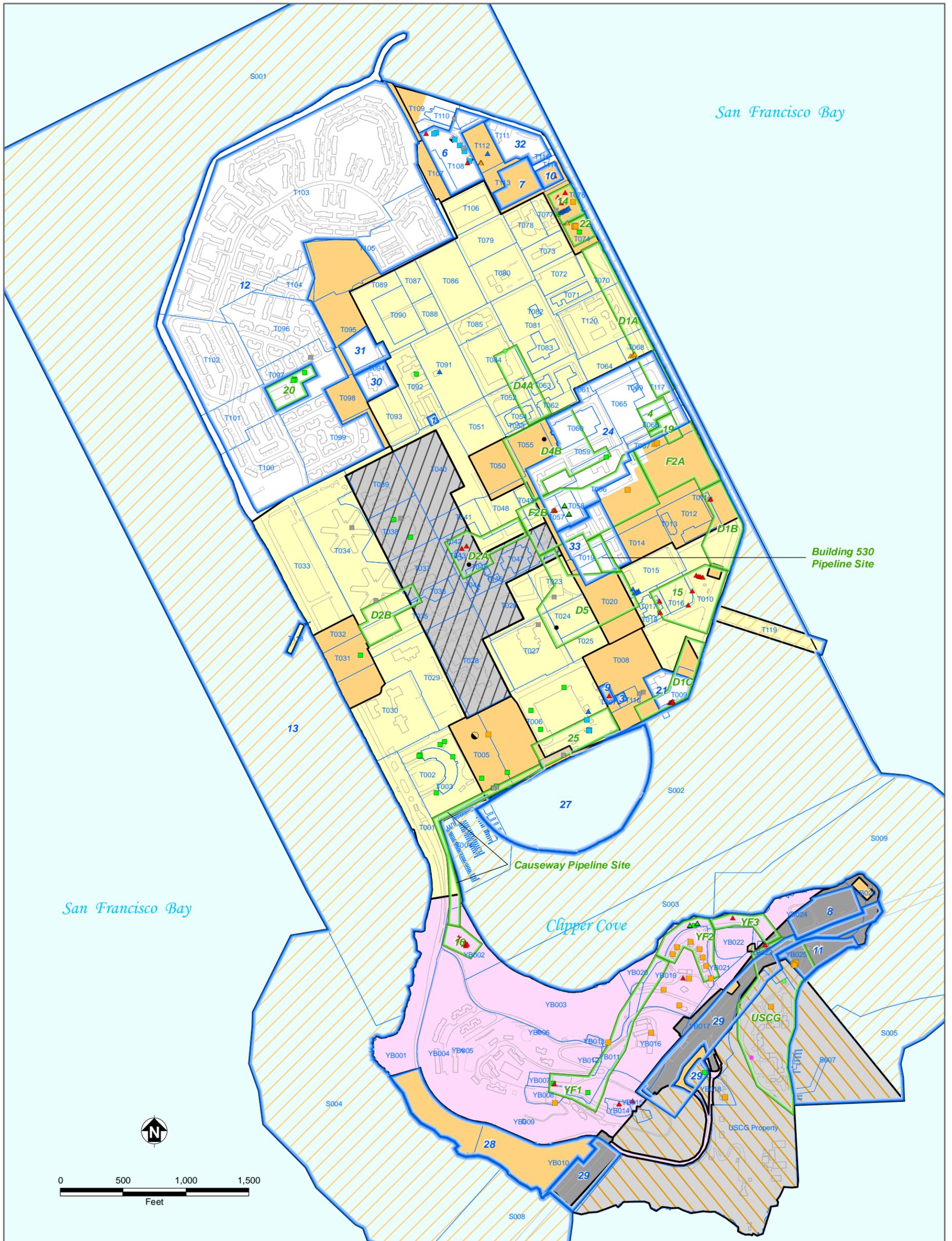
TABLE 4: SCHEDULE CHANGE TRACKING FORM – APRIL 2010 THROUGH OCTOBER 2010 (CONTINUED)

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Notes:

*	Items in this table are reflective of fundamental changes of site milestone scheduling since the issuance of the "Site Management Plan, Naval Station Treasure Island, San Francisco, California," dated April 19, 2010 and published by Tetra Tech EM Inc.
--	Not applicable; document not previously listed in the April 2010 schedule, duration remains unchanged, or document or activity was cancelled.
BCT	Base Realignment and Closure Cleanup Team
CAP	Corrective action plan
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DTSC	Department of Toxic Substances Control
FS	Feasibility study
HHRA	Human health risk assessment
LUC	Land use control
NTCRA	Non-time critical removal action
PCB	Polychlorinated biphenyl
PCSR	Post-construction summary report
PP	Proposed plan
RACR	Remedial action completion report
RAP	Remedial action plan
RASO	Radiological Affairs Support Office
RCA	Radiological Containment Area
RI	Remedial Investigation
ROD	Record of decision
RTC	Responses to comments
SMP	Site management plan
SWDA	Solid waste disposal area
UST	Underground storage tank

FIGURES



- TRANSFER PARCELS:**
- TI FOST Property (FOST 1)
 - YBI FOST Property (FOST 2)
 - Caltrans Property
 - Job Corps Property
 - U.S. Coast Guard Property
 - FOST Property (FOST 3)
 - FOST Submerged Parcel (FOST 3)
 - EBS Parcel
- INVESTIGATION SITES:**
- Petroleum Program Sites
 - CERCLA Program Sites

- UNDERGROUND STORAGE TANKS:**
- Closed
 - Closed via Inactive Fuel Lines CAP
 - Further Investigation
 - NFA Concurrence
 - NFA via Inactive Fuel Lines CAP
 - NFA Requested
 - Never Existed
- ABOVEGROUND STORAGE TANKS:**
- Closed-in-Place
 - Active
 - Inactive
 - Removed
- OIL-WATER SEPARATORS:**
- Potential
 - Removed

- Notes:**
- Caltrans California Department of Transportation
 - CAP Corrective Action Plan
 - CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 - EBS Environmental baseline survey
 - FOSET Finding of suitability for early transfer
 - FOST Finding of suitability to transfer
 - NFA No further action
 - TI Treasure Island
 - USCG United States Coast Guard
 - YBI Yerba Buena Island

1. All white areas are untransferred property including the submerged area south of Parcel 1.

(See Figures 6 and 7 for individual tank identification and location.)



Naval Station Treasure Island
Department of the Navy, BRAC PMO West, San Diego, CA

**FIGURE 1
CERCLA SITES, PETROLEUM SITES,
AND TRANSFER PARCELS**

Site Management Plan 2010

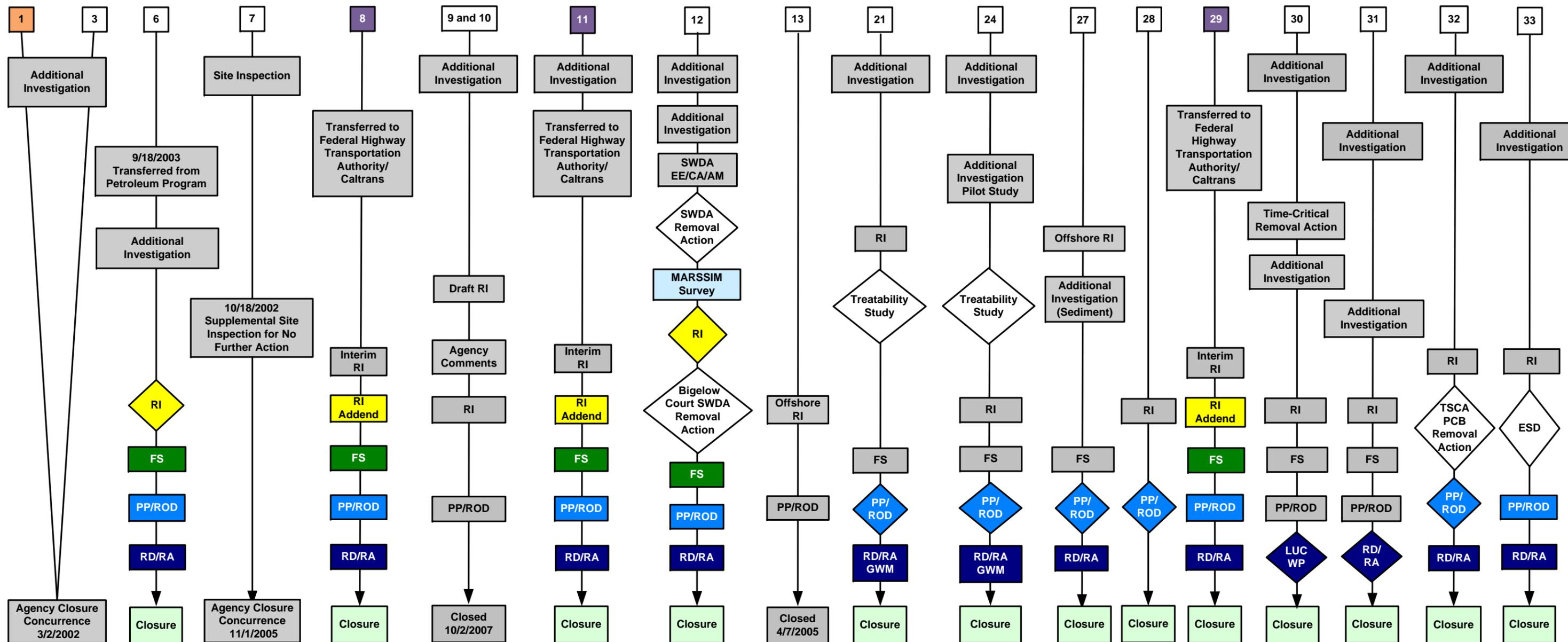
**NAVAL STATION TREASURE ISLAND
CERCLA AND PETROLEUM RELATED SITE INFORMATION**

CERCLA SITE	SITE DESCRIPTION	CONTAMINANTS OF CONCERN	STATUS
SITE 1	Medical Clinic - X-ray and photo processing laboratory was on site.	Silver	Site closed. Received agency concurrence on March 20, 2002.
SITE 2	Radiation Training Area	Radionuclides	Site closed. Site recommended for NFA in 1988 Final PA/SI.
SITE 3	PCB Equipment Storage Area - Area was used to store and repair transformers.	PCBs	Site closed. Received agency concurrence on March 20, 2002.
SITE 5	Old Boiler Plant. Facility was incorporated into Site 24.	Petroleum	Site closed. Merged into Site 24 by letter dated January 17, 2001.
SITE 6	Fire Training School - Area was used for Navy firefighting training for nearly 50 years.	Dioxins and furans, TPH, VOCs, PAHs	Transferred from Petroleum Program on September 18, 2003. Additional investigation (data gap investigation) is complete. RI report being prepared.
SITE 7	Pesticide Storage Area - Area was used to store pesticides, herbicides, and paint.	Metals, pesticides, herbicides	Site closed. Received agency concurrence on November 1, 2005.
SITE 8	Army Point Sludge Disposal Area - Area was used to dispose of sludge from the wastewater treatment plant for approximately 8 years.	Metals and pesticides	Interim RI report for Sites 8 and 29 submitted March 6, 2009.
SITE 9	Foundry - Area was used as a forge and foundry, paint shop, and welding school.	Solvents, lead, petroleum products	Site closed. No Action ROD signed October 2, 2007.
SITE 10	Bus Painting Shop - Shop was used for bus painting, paint mixing, storage of pest control solutions.	Pesticides and SVOCs	Site closed. No Action ROD signed October 2, 2007.
SITE 11	YBI Landfill - Area was used as a landfill for various debris.	TPH, PAHs, VOCs, metals	Interim RI report was submitted January 27, 2010.
SITE 12	Old Bunker Area - Area housed ammunition bunkers, and areas for equipment storage, refuse, and solid waste incineration. Later military housing construction and earth work spread contaminants in surface soil across site.	PCBs, TPH, PAHs, dioxins, arsenic, lead, Radium 226 and debris	Non-time critical removal action in solid waste disposal areas and arsenic treatability study are underway. RI Report is being prepared.
SITE 13	Stormwater Outfalls/Offshore Sediments - Stormwater system conveys water from surface and building drains to the Bay without treatment, and offshore sediments may be contaminated from onshore sites.	Metals, PAHs, PCBs, DDT, TPH	Site closed. No Action ROD signed April 7, 2005.
SITE 17	Tanks 103/104 - Two 200,000-gallon aboveground diesel storage tanks that were incorporated into Site 24.	Petroleum, oil, lubricants	Site closed. Merged into Site 24 by letter dated January 17, 2001.
SITE 18	Possible asbestos contamination on YBI was incorporated into asbestos investigations.	Asbestos	Site closed.
SITE 21	Vessel Waste Oil Recovery Area - Area was used as an oil-water separator facility and for aircraft maintenance.	VOCs and TPH	Focused FS report submitted February 1, 2009. Treatability study sampling completed August 2010, report being prepared. Proposed Plan is being prepared.
SITE 23	YBI fuel line rupture/land slide was not recommended for further remedial investigation.	NA	Site closed.
SITE 24	Dry Cleaning Facility - Area was used as a laundry and dry cleaning facility for at least 35 years.	Petroleum, oil, lubricants, chlorinated solvents	RI and Focused FS reports were submitted July 2008. Treatability study of plume area in operation. Proposed Plan is being prepared.
SITE 27	Clipper Cove Skeet Range - Skeet range was operated for 10 years.	Lead shot, lead, PAHs	FS report finalized August 13, 2010. Proposed Plan being prepared.
SITE 28	West Side On/Off Ramp - Maintenance of ramps included use of lead-based paint.	Lead	RI report submitted March 6, 2009; NFA Proposed Plan Finalized May 29, 2010. ROD being finalized.
SITE 29	East Side On/Off Ramp - Maintenance of ramps included use of lead-based paint.	Lead	Interim RI report for Sites 8 and 29 submitted March 6, 2009.
SITE 30	Daycare Center - Area was undeveloped until 1985 when daycare facility was constructed. Includes burn debris	Dioxins, lead, copper	ROD finalized August 5, 2009. Land use controls work plan is being finalized.
SITE 31	Former South Storage Yard - Area appears in aerial photos to have been used as a storage yard during the 1970s.	PCBs, PAHs, TPH, lead, copper, DDT, dioxins	ROD finalized August 5, 2009. Remedial action is ongoing.
SITE 32	Former Training and Storage Area - Area was used for hazardous materials storage and for tear gas training area and storage. Contains a transformer pad.	PCBs, TPH, dioxins, pesticides	RI report was submitted October 2008. TSCA PCB removal action completed early 2010. Post construction summary report is being finalized.
SITE 33	Water Line Replacement Area - Area where debris was observed in water line trench during extensive historical repairs.	Metals	RI report was finalized April 30, 2010. Explanation of Significant Differences is being prepared.
PETROLEUM-RELATED SITE	SITE DESCRIPTION	CONTAMINANTS OF CONCERN	STATUS
SITE 4/19	Hydraulic Training School/Refuse Transfer Area - Area housed 15 55-gallon drums of waste oil, and fenced area used for the transfer, holding, and disposal of refuse for approximately 35 years.	Petroleum, oil, lubricants	NFA concurrence letter received from Water Board dated December 17, 2003.
SITE 6	Fire Training School - Area was used for Navy firefighting training for nearly 50 years.	Dioxins and furans, TPH, VOCs, PAHs	Closure report requesting NFA submitted December 16, 2005. Water Board did not concur with request for NFA. Moved to CERCLA Program on September 18, 2003. Groundwater monitoring to be conducted under CERCLA Program. UST 240s investigation planned.
SITE 14/22	New Fuel Farm/Navy Exchange Service Station - Area was the primary storage and distribution area for fuels for more than 50 years.	Petroleum, oil, lubricants, VOCs	NFA concurrence letter received from Water Board dated July 18, 2005.
SITE 15	Old Fuel Farm - Original fuel storage and distribution facility, much of which was moved to New Fuel Farm by 1945.	Petroleum, oil, lubricants	NFA concurrence letter received from Water Board dated September 2004.
SITE 16	Clipper Cove Tank Farm - Area stored aviation gasoline and automotive diesel for more than 20 years.	Petroleum, oil, lubricants	NFA concurrence letter received from Water Board dated June 17, 2004.
SITE 20	Auto Hobby Shop/Transportation Center - Area has been used for steam cleaning and degreasing vehicles and for storage of hydraulic fluid and recycled oil.	Petroleum, oil, lubricants, VOCs	NFA concurrence letter received from Water Board dated June 17, 2004.
SITE 25	Seaplane Maintenance Area - Three areas are used for storing and maintaining vehicles and seaplanes.	Petroleum, oil, lubricants	Closure report requesting NFA submitted December 7, 2005. Water Board did not concur with request for NFA. Additional investigation (remedial action confirmation sampling) conducted. Final Addendum to Closure Report for Site 25 submitted January 29, 2010, requesting NFA and closure of USTs. Soil gas investigation is underway.
Pipeline Sites	Inactive fuel pipelines.	Petroleum	NFA concurrence letters for selected pipelines sites received from Water Board on various dates; further investigation and site completion are planned for YF3 and USCG.
UST Sites	Underground storage tanks.	Petroleum	Various NFA concurrence letters received; NFA concurrence requested for USTs at Sites 6 and 25; UST 238 on YBI awaits completion of Caltrans activities.

Notes:

Bay	San Francisco Bay
Caltrans	California Department of Transportation
Cal/EPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DDT	Dichlorodiphenyltrichloroethane
EE/CA	Engineering evaluation/cost analysis
FS	Feasibility study
Metals	Chromium, arsenic, beryllium, thallium, lead, manganese, nickel, and cadmium
N/A	Not applicable
NFA	No further action
PAH	Polycyclic aromatic hydrocarbons

PA/SI	Preliminary assessment/site inspection
PCB	Polychlorinated biphenyls
RI	Remedial investigation
ROD	Record of decision
SVOC	Semivolatile organic compounds
TPH	Total petroleum hydrocarbons
TSCA	Toxic Substances Control Act
UST	Underground storage tank
VOC	Volatile organic compounds
Water Board	Cal/EPA San Francisco Bay Regional Water Quality Control Board
YBI	Yerba Buena Island



- Notes:
- AM Action memorandum
 - Caltrans California Department of Transportation
 - CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 - EE/CA Engineering evaluation / cost analysis
 - ESD Explanation of significant differences
 - NFA No further action
 - FOSET Finding of suitability for early transfer
 - FOST Finding of suitability to transfer
 - FS Feasibility study
 - GWM Groundwater monitoring
 - LUC Land use control
 - MARSSIM Multi-Agency Radiation Survey and Site Investigation Manual
 - PA/SI Preliminary assessment/site inspection
 - PCB Polychlorinated biphenyl
 - PP Proposed plan
 - RA Remedial action
 - RD Remedial design
 - RI Remedial investigation
 - ROD Record of decision
 - SWDA Solid waste disposal area
 - TI Treasure Island
 - TSCA Toxic Substances Control Act
 - WP Work plan

Flow chart refers to the potential overall site strategy. These strategies represent an ongoing closure process; therefore, they and any related schedules are subject to change. Specific sites may be completed earlier.

Sites 2, 18, and 23 were recommended for NFA in the PA/SI.
 Sites 1 and 3 received NFA concurrence from agencies March 20, 2002.
 Sites 5 and 17 were merged into Site 24 by letter dated January 17, 2001.

Due to Caltrans activities in the vicinity of Sites 8, 11, and 29, which may result in the removal of known contamination, standard CERCLA schedules are based on Caltrans' quarterly schedule. The Navy finalized the interim RI reports for these sites.

At Site 32, a PCB removal action was recently completed, and the results are being evaluated to determine the need for an FS and RD/RA.

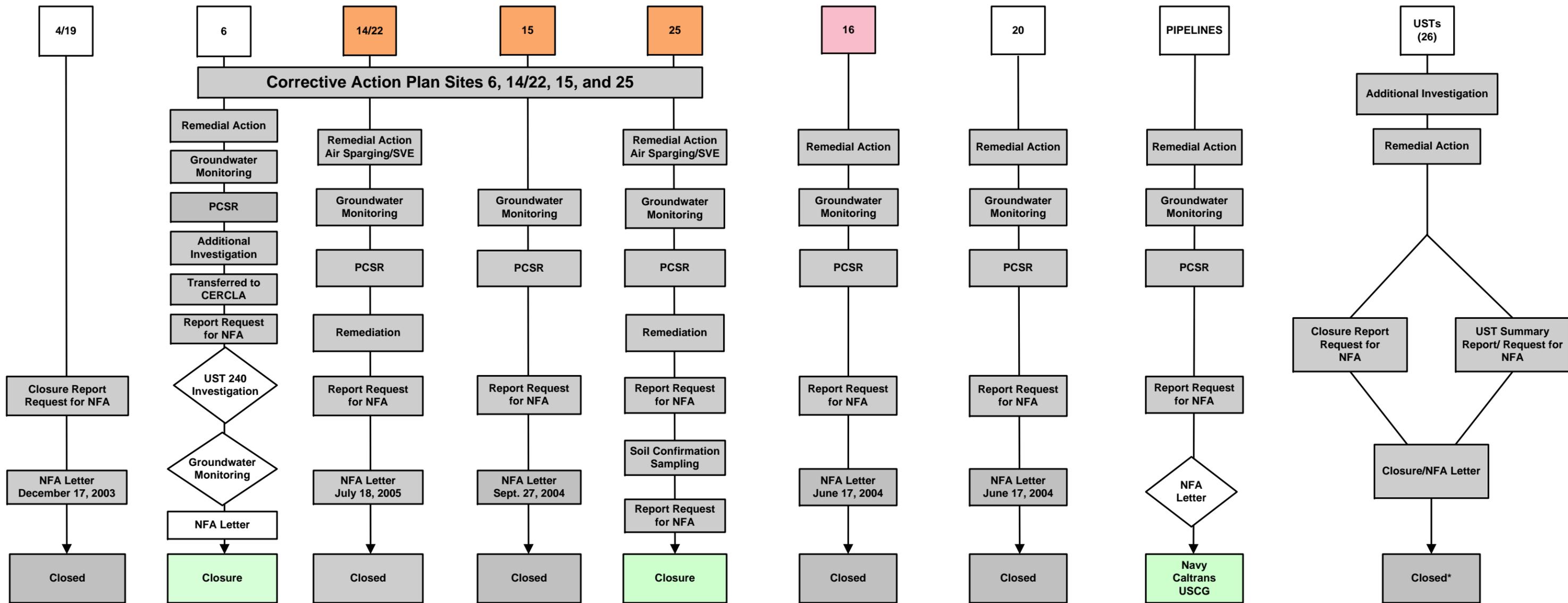
- Shape indicates current ongoing activity, activities below this point are anticipated as of this update.
- Shading indicates activity completed
- 1 TI FOST property
- 8 Caltrans property
- 6 FOSET property
- RI Indicates RI or RI Addendum
- MARSSIM MARSSIM Survey
- FS Indicates FS
- ROD/PP Indicates ROD/PP
- RD/RA Indicates RD/RA
- Closure Indicates Site Closure



Naval Station Treasure Island
 Department of the Navy, BRAC PMO West, San Diego, CA

FIGURE 2
CERCLA PROGRAM SITE STRATEGY
FLOW CHART

Site Management Plan 2010



Legend:

- Shape indicates current ongoing activity, activities below this point are anticipated as of this date.
- Shading indicates activity completed
- 15 TI FOST property
- 16 YBI FOST property
- 6 FOSET property
- Report Request for NFA Indicates Report and Request for No Further Action
- NFA Letter Indicates No Further Action Concurrence Letter
- Closure Indicates Site Closure

Flowchart refers to the potential overall site strategy. These strategies represent an ongoing closure process; therefore, they, and any related schedules, are subject to change. Specific sites may be completed earlier.

Notes:

*Work has been completed at sixteen USTs on TI, including 240A, 240B, and 248A through 248D (Site 6) and 143A through 143I and 2B (Site 25). These tanks were proposed for closure in their respective site closure reports, however, further investigations are planned for the areas surrounding the former UST 240A and 240B. Further investigation of UST 238 on YBI is on hold until Caltrans has completed work in the area.

Sites 2, 18 and 23 were recommended for NFA in the PA/SI.
 Sites 1 and 3 received NFA concurrence from agencies March 20, 2002.
 Sites 5 and 17 were merged into Site 24 by letter dated January 17, 2001.

- Caltrans California Department of Transportation.
- FOSET Finding of suitability for early transfer
- FOST Finding of suitability to transfer
- NFA No further action
- PA/SI Preliminary assessment/site inspection
- PCSR Post-construction summary report
- SVE Soil vapor extraction
- TI Treasure Island
- USCG United States Coast Guard
- UST Underground storage tank
- YBI Yerba Buena Island



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FIGURE 3
PETROLEUM PROGRAM SITE
STRATEGY FLOW CHART

Site Management Plan 2010

PETROLEUM PROCESS MILESTONES		2003				2004				2005				2006				2007				2008				2009				2010				2011				2012			
		Jan	Apr	Jul	Oct																																				
Site 4/19	Site Investigation																																								
	Corrective Action Plan																																								
	Corrective Action																																								
	Groundwater Monitoring																																								
	Closure Summary Report																																								
Site 6	Site Investigation																																								
	Corrective Action Plan																																								
	Corrective Action																																								
	Groundwater Monitoring																																								
	Closure Summary Report																																								
Site 14/22	Site Investigation																																								
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Site 25	Site Investigation																																								
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	Closure Summary Report																																								
UST Sites*	Site Investigation																																								
	Corrective Action Plan																																								
	Corrective Action																																								
	Groundwater Monitoring																																								
	Closure Summary Report																																								
Pipeline Sites*	Site Investigation																																								
	Corrective Action Plan																																								
	Corrective Action																																								
	Groundwater Monitoring																																								
	Closure Summary Report																																								

Notes:

- UST = Underground storage tank
- USCG = US Coast Guard
- ✓ = Site Completion
- ➔ = Schedule extends beyond 2012

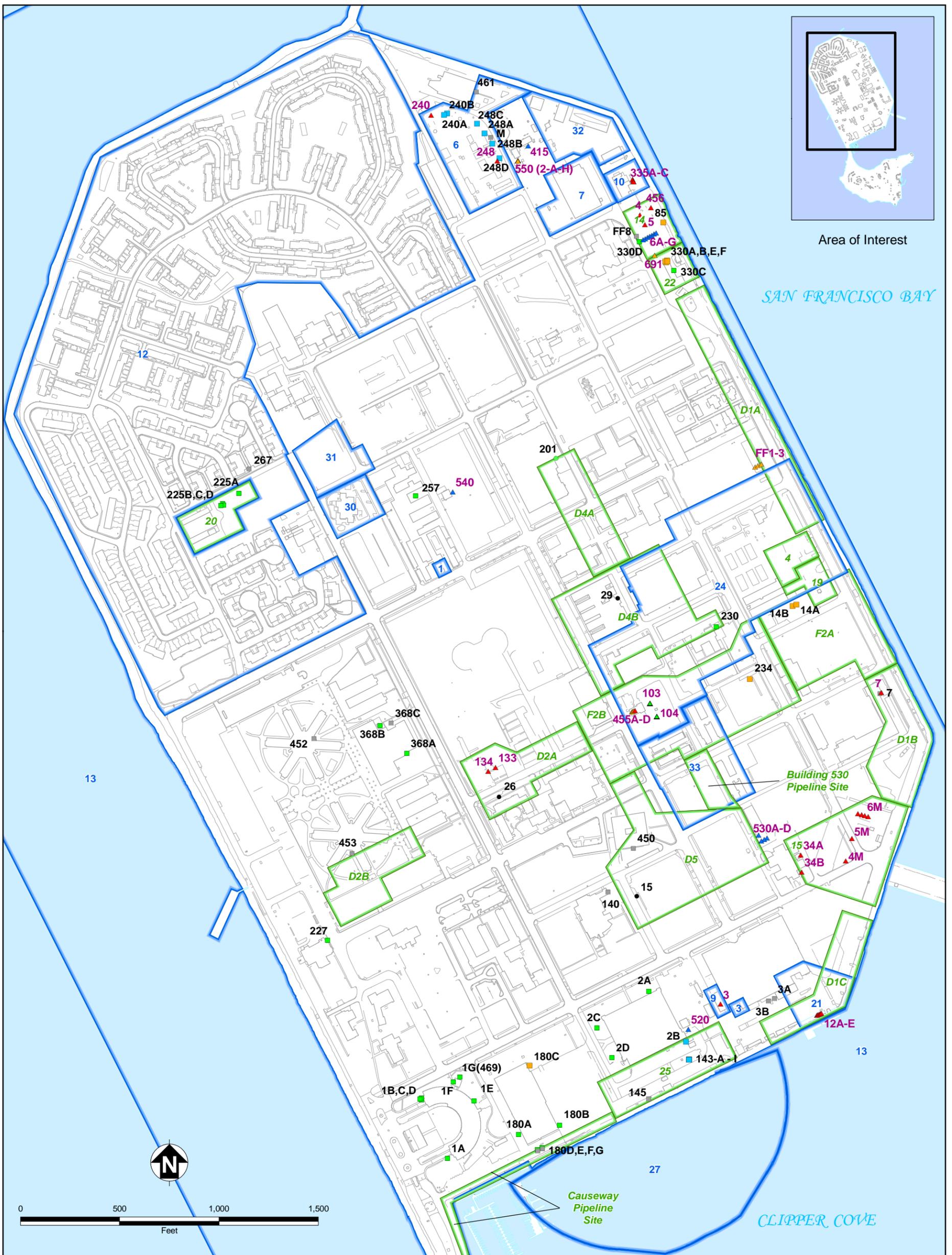
* Timelines refer to overall schedule. Specific milestones may be completed at a different date.

- 1 USTs 240A, 240B, 248A through 248D are associated with Installation Restoration (IR) Site 6 and still require closure before Site 6 can be closed.
- 2 Additional investigation required for UST 238 is on hold until Caltrans completes work in the area.
- 3 Additional investigation of two pipeline sites (USCG and YF3) is on hold until Caltrans completes work in the area.



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FIGURE 5
TIMELINE TO CLOSURE
PETROLEUM PROGRAM
Site Management Plan 2010



ABOVEGROUND STORAGE TANKS
(labeled in purple)

- ▲ Closed-in-Place
- ▲ Active
- ▲ Inactive
- ▲ Removed

UNDERGROUND STORAGE TANKS
(labeled in black)

- Closed
- Closed via Inactive Fuel Lines CAP
- Further Investigation
- NFA Concurrence
- NFA via Inactive Fuel Lines CAP
- NFA Requested
- Never Existed

INVESTIGATION SITES:

- Petroleum Program Sites
- CERCLA Program Sites

Notes:
 AST Aboveground Storage Tank
 CAP Corrective Action Plan
 CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 NFA No further action
 UST Underground Storage Tank

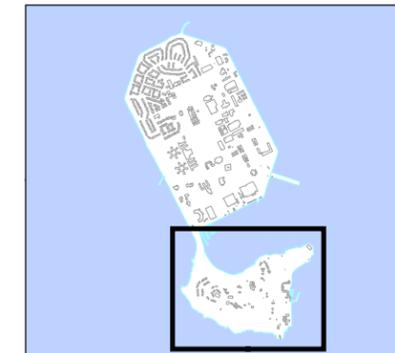
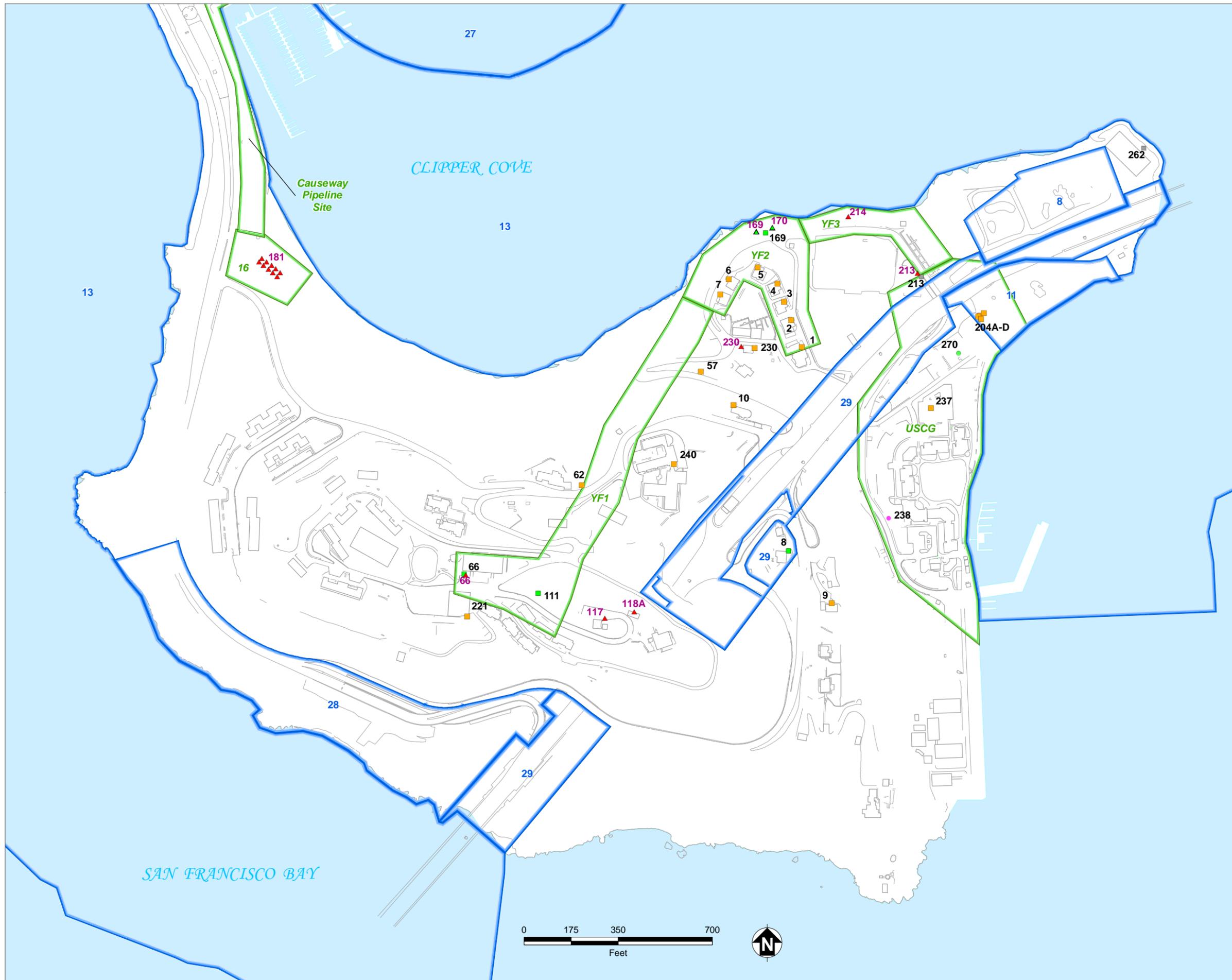
UST and AST point locations are not actual USTs or ASTs drawn to scale or shape for the purpose of this figure. The point locations are used to show relative locations of USTs and ASTs.



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FIGURE 6
UNDERGROUND STORAGE TANKS
LOCATION MAP
TREASURE ISLAND

Site Management Plan 2010



Area of Interest

INVESTIGATION SITES

- Petroleum Program Sites
- CERCLA Program Sites

ABOVEGROUND STORAGE TANKS
(labeled in purple)

- ▲ Closed-in-Place
- ▲ Active
- ▲ Inactive
- ▲ Removed

UNDERGROUND STORAGE TANKS
(labeled in black)

- Closed
- Closed via Inactive Fuel Lines CAP
- Further Investigation
- NFA Concurrence
- NFA via Inactive Fuel Lines CAP
- NFA Requested
- Never Existed

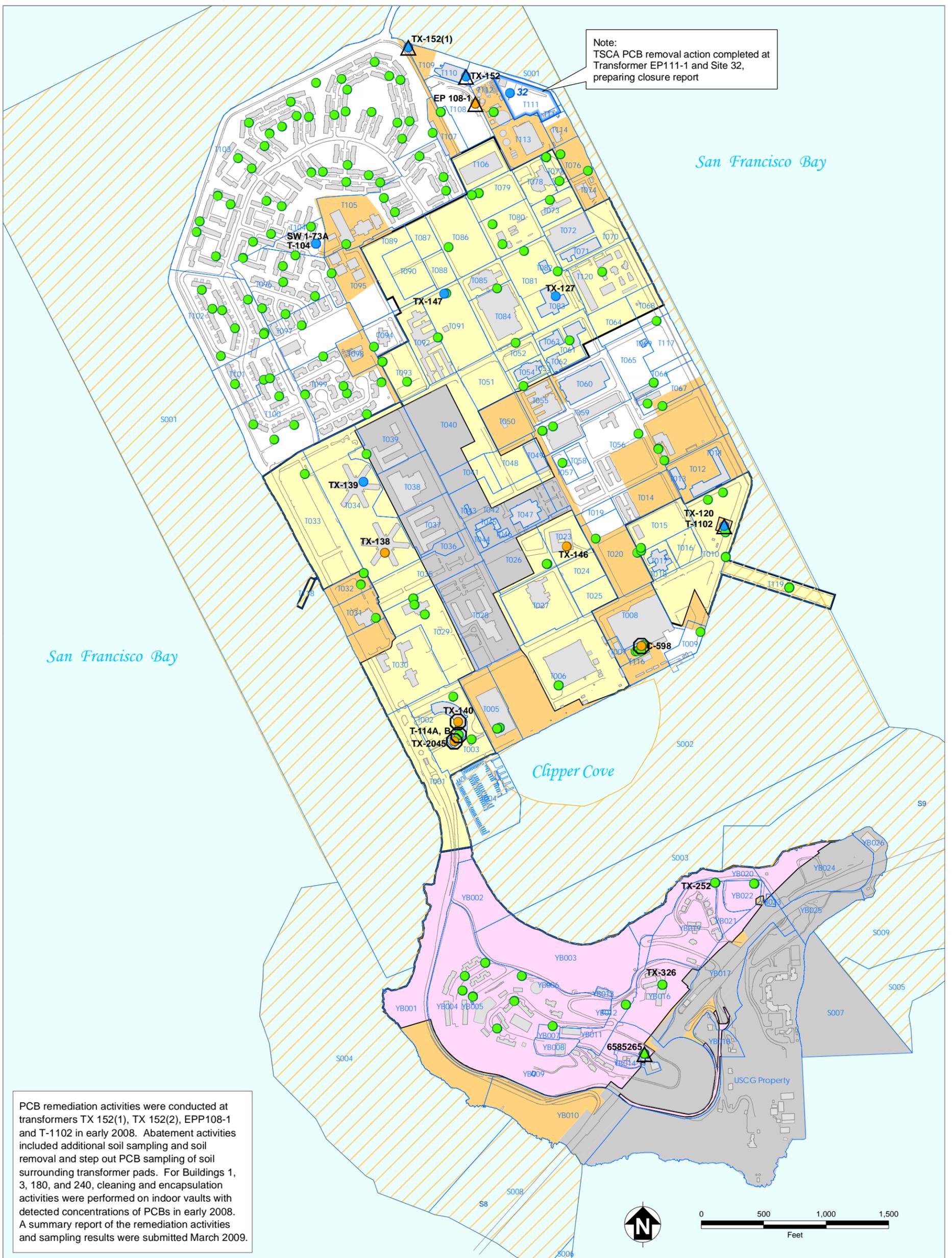
Notes:
 AST Aboveground Storage Tank
 CAP Corrective Action Plan
 CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 NFA No Further Action
 USCG United States Coast Guard
 UST Underground Storage Tank
 YBI Yerba Buena Island

UST and AST point locations are not actual USTs or ASTs drawn to scale or shape for the purpose of this figure. The point locations are used to show relative locations of USTs and ASTs.



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FIGURE 7
UNDERGROUND STORAGE TANKS
LOCATION MAP
YERBA BUENA ISLAND
 Site Management Plan 2010

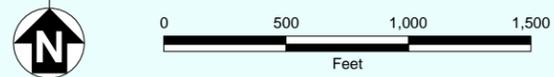


Note:
TSCA PCB removal action completed at
Transformer EP111-1 and Site 32,
preparing closure report

PCB remediation activities were conducted at transformers TX 152(1), TX 152(2), EPP108-1 and T-1102 in early 2008. Abatement activities included additional soil sampling and soil removal and step out PCB sampling of soil surrounding transformer pads. For Buildings 1, 3, 180, and 240, cleaning and encapsulation activities were performed on indoor vaults with detected concentrations of PCBs in early 2008. A summary report of the remediation activities and sampling results were submitted March 2009.

- TI FOST Property (FOST 1)
- YBI FOST Property (FOST 2)
- FOST Property (FOST 3)
- FOST Submerged Parcel (FOST 3)
- Previously Transferred Property
- EBS Parcel
- Site 32

- Building
- Road Edge or Similar Landscape Feature
- ELECTRICAL EQUIPMENT SAMPLING LOCATIONS**
- Above Criteria for Low Occupancy
- Below Criteria for Low Occupancy and Above Criteria for High Occupancy
- Below Criteria for High and Low Occupancy
- Remediated Location, NFA Concurrence Received
- Remediation by Encapsulation, Inspections Required

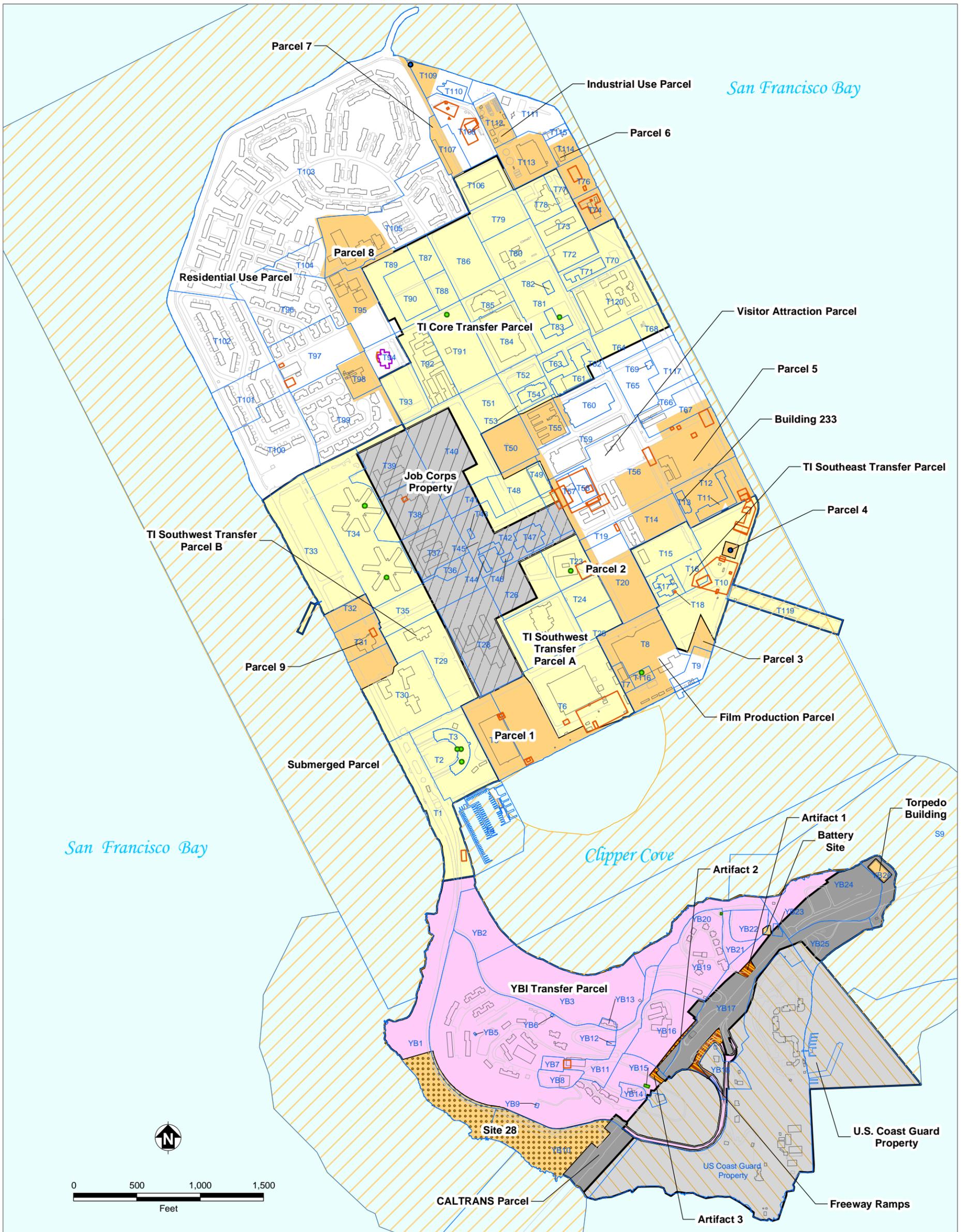


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**FIGURE 8
PCB PROGRAM STATUS**

Site Management Plan 2010

1. All white areas are untransferred property including the submerged area south of Parcel 1.
Comparison Criteria
Low Occupancy Criteria = 25 mg/kg or 100 µg/100 cm²
High Occupancy Criteria = 1 mg/kg or 10 µg/100 cm²



- TI FOST Property (FOST 1)
- YBI FOST Property (FOST 2)
- Caltrans Property
- Job Corps Property
- U.S. Coast Guard Property
- FOST Property (FOST 3)
- FOST Submerged Parcel (FOST 3)
- Pending Boundary Changes
- Anticipated
- EBS Parcel
- Areas of Residual Petroleum Constituents in Shallow and/or Deep Soil

- CERCLA Site Land Use Controls
- Building
- Appurtenance
- Road Edge

- PCB Site Subject to Restriction
- PCBs Remediated, NFA Concurrence Received

Caltrans
CERCLA California Department of Transportation Comprehensive Environmental Response, Compensation, and Liability Act
EBS Environmental baseline survey
FOSET Finding of suitability for early transfer
FOST Finding of suitability to transfer
NFA No Further Action
PCB Polychlorinated biphenyls
TI Treasure Island
YBI Yerba Buena Island

1. All white areas are untransferred property including the submerged area south of Parcel 1.

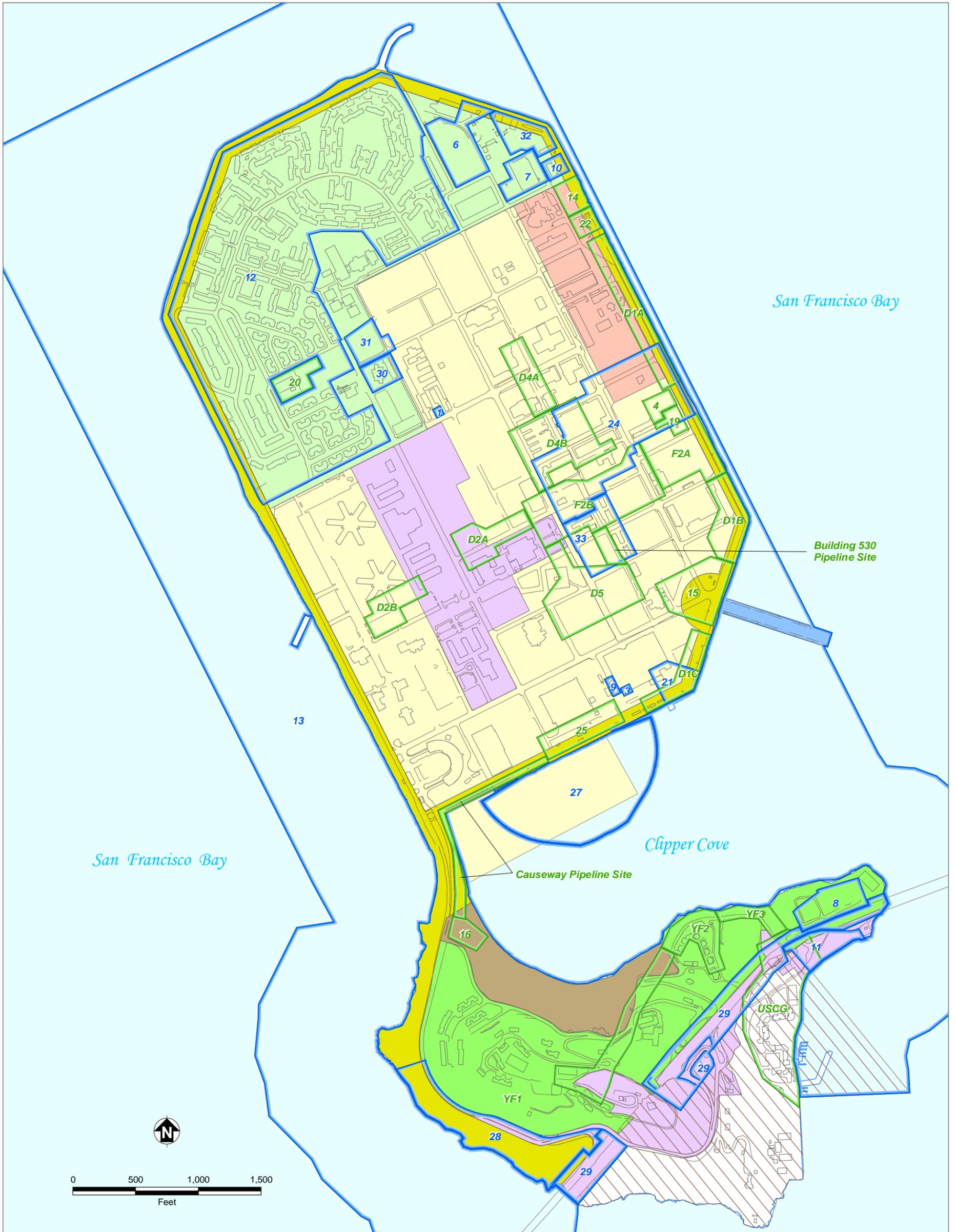
Source:
Navy. 2006. Final FOST for Property on TI. February 15.
Navy. 2006. Final FOST for Property on YBI. March 22.



Naval Station Treasure Island
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FIGURE 9
TRANSFER AND EBS PARCELS

Site Management Plan 2010



LAND USE AREAS

- Institutional
- Institutional / Publicly Oriented Uses
- Publicly Oriented Uses
- Residential / Publicly Oriented Uses
- Residential / Open Space / Publicly Oriented Uses
- Shoreline Open Space
- Hillside Open Space
- Maritime / Open Space / Publicly Oriented Uses

- U.S. Coast Guard Property
- Petroleum Program Site
- CERCLA Program Site
- Building
- Road Edge

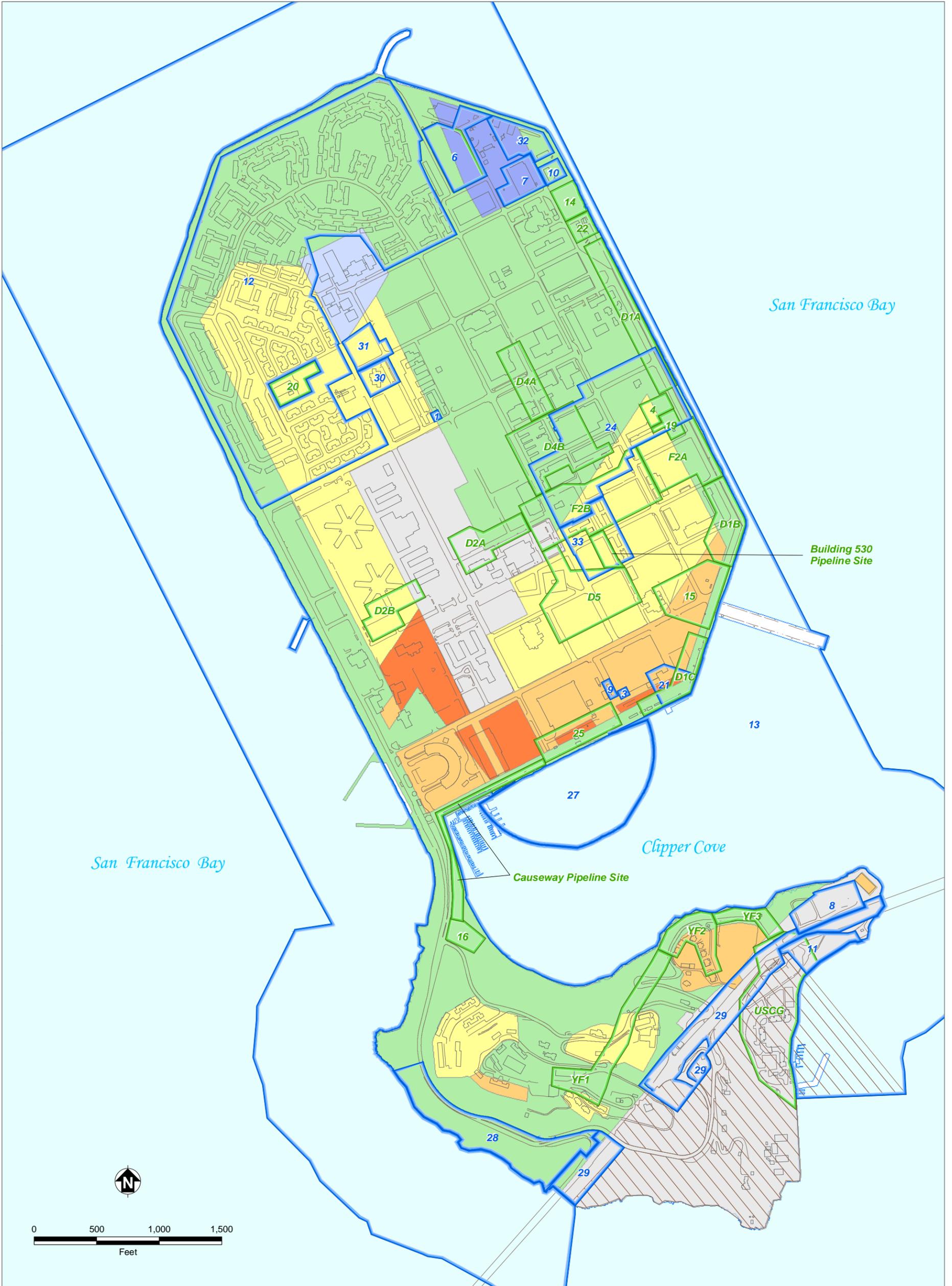
Note:
 The draft reuse plan (CCSF 1996) defines publicly oriented uses as hotels; one or more theme park attractions, which may integrate the continuing film production activities; destination entertainment activities; and active and spectator recreational areas. Although there are no plans to place residences in many of the publicly oriented use areas, the draft reuse plan leaves open the possibility of employee housing.

CCSF City and County of San Francisco
 CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 USCG United States Coast Guard



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FIGURE 10
1996 PLANNED REUSE AREAS,
CERCLA AND PETROLEUM
INVESTIGATION SITES
 Site Management Plan 2010



Conceptual Land Plan

- Zone O: Open Space & Compatible Uses
- Zone R: Residential & Community Facilities
- Zone C: Commercial & Cultural - Mixed Use
- Zone M: Residential - Mixed Use
- Zone E: Civic, Institutional & Schools
- Zone S: Public Services
- Zone P: Public (Federal Use)

- U.S.Coast Guard Property
- Petroleum Program Site
- CERCLA Program Site
- Building
- Road Edge

Notes:
 CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 USCG United States Coast Guard

Source: SMWM (September 2008)



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FIGURE 11
2008 CONCEPTUAL LAND PLAN,
CERCLA AND PETROLEUM
INVESTIGATION SITES
 Site Management Plan 2010

APPENDIX A
SITE SUMMARY INFORMATION

CERCLA Program

Petroleum Program

Compliance and Basewide Programs

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CERCLA PROGRAM

SITE 1 – MEDICAL CLINIC

Site 1, the Medical Clinic, is located near the middle of Treasure Island (TI) and was used for medical support services for personnel at Naval Station Treasure Island (NAVSTA TI). The Medical Clinic occupied the center wing of Building 257. The x-ray department of the Medical Clinic operated until the early 1970s. The wooden floor of Building 257 is elevated approximately 3 feet above the ground surface by concrete footings. A continuous concrete slab was poured beneath the building and was probably constructed as a mat foundation for the concrete footings. The slab was covered by approximately 3 to 12 inches of soil. During operation of the clinic, developer and corrosive fixer solutions leaked from the x-ray equipment, leaked through the wooden floor, and seeped into the soil under the building. During the 1995 Phase II Remedial Investigation (RI), a 4-foot area of high acidity below the floor was identified during field screening, which indicated the lateral extent of contamination by silver in soils. The soils were removed and disposed of in a Class 1 landfill. During this and subsequent site inspections, it was determined that contamination was limited to soil above the concrete slab and was not released into the environment.

Transfer Category	2006 TI finding of suitability to transfer (FOST) property (FOST 1)
Regulatory Classification	Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
Acreage	0.14
Source of Concern	X-ray photo processing lab
Contaminants of Concern	Silver
Interim Actions	None
Current Status	Received site closure concurrence from the Department of Toxic Substances Control (DTSC) on March 20, 2002. No further documentation for supplemental site inspection (SI) report is required.
Underground Storage Tanks (UST)/Aboveground Storage Tanks (AST)	None
Site Closeout	Closed

SITE 3 – PCB EQUIPMENT STORAGE AREA

Site 3, the Polychlorinated Biphenyls (PCB) Equipment Storage Area, is adjacent to the south side of Building 3, about 150 feet from the shore in the southeastern corner of TI. The area is paved with about 6 inches of asphalt and was used to store and, in some instances, repair transformers used at NAVSTA TI to supply electricity to the various facilities. Some of the transformer units are known to have contained transformer fluids that contained PCBs.

Transformer fluids that contained PCBs have spilled as recently as the mid-1980s, and although they were reportedly cleaned up, no records of the cleanup are available. No PCBs were present in subsurface soils collected during the Phase I RI in 1992; only low concentrations of PCBs were detected during wipe sampling of the walls and floor of the storage area for the 1987 preliminary assessment/site inspection (PA/SI).

Transfer Category	2010 FOST Parcel 3 (FOST 3)
Regulatory Classification	CERCLA
Acreage	0.15
Source of Concern	Storage and repair area for PCB equipment
Contaminants of Concern	PCBs
Interim Actions	None
Current Status	Received site closure concurrence from DTSC on March 20, 2002. No further documentation for supplemental SI report is required.
USTs/ASTs	None
Site Closeout	Closed

SITE 6 – FIRE TRAINING SCHOOL

Site 6, the former Department of the Navy (Navy) firefighting training school, was used for nearly 50 years (1944 to 1992) for various firefighting training activities. The training school formerly included 23 buildings, 6 USTs, and a central training yard, which consisted of burn areas lined with asphalt and concrete. Fires fueled with diesel and gasoline, magnesium, and wood were set in various mockups in the training yard and were extinguished with a mixture of water, biodegradable soap, and industrial talc. Approximately 19,000 gallons of gasoline and 32,000 gallons of diesel fuels were used each year for the firefighting training. Wastewater and unburned gasoline and diesel were collected in a concrete collector trench (installed in about 1949) situated around the perimeter of the training school yard. Wastewater and unburned gasoline and diesel that collected in the trench passed through on-site oil-water separators (OWS). No historical information has been discovered that discusses disposal of wastes before the perimeter concrete collector trench and the on-site OWSs were constructed. Wastewater generated and treated at the site was discharged to the NAVSTA TI wastewater treatment plant (WWTP), constructed in 1968, and waste diesel and gasoline fuels were disposed of at an off-base location. Before 1973, the wastewater that flowed to the concrete collector trench was discharged to San Francisco Bay (Bay) without treatment. Approximately 14,000 gallons of petroleum residue was generated per year at the training school.

All buildings have been removed from the site. Four 1,500-gallon USTs (240A, 240B, 248A, and 248B) that contained gasoline and diesel for firefighting training were present within the northern and eastern portions of the training yard. USTs 240A and 240B were removed in 1992, and USTs 248A and 248B were removed in 1995. Two 1,000-gallon USTs (248C and 248D) that were previously used to store waste fuel were removed in 2002. One known AST (248), located near UST 248D, was removed prior to 1995. UST M, a previously suspected UST for coolant, was reported in Shaw Environmental, Inc.'s (Shaw) "Final Facilitywide Underground Storage Tank Summary Report Update," dated August 25, 2004, as never having been installed, based on document reviews and discussions with Navy personnel. Petroleum remedial activities were conducted at Site 6 between May and December 2002. Remedial activities included excavation of USTs and excavation of petroleum-contaminated soils near the USTs, pipelines, and OWS components throughout the site. Remediation also included evaluation and excavation of free product near USTs 240A and 240B. In October 2002, during petroleum remedial excavation activities at the UST 248 area, burn surfaces were identified in the vicinity of the former Building 464 foundation. Results from shallow soil samples collected in this area included dioxins and furans above the soil screening levels. The excavation was subsequently expanded to include removal of burn debris and soot-discolored areas. Results from confirmation samples included dioxins and furans above the screening levels, causing Site 6 to be transferred to the CERCLA program on September 18, 2003.

Further investigation and delineation of dioxins and furans detected in soil was conducted under the CERCLA Program as part of the environmental baseline survey (EBS) data gaps investigation in 2003. Based on investigation results, the Base Realignment and Closure (BRAC) Cleanup Team (BCT) agreed to a boundary revision for the CERCLA site at the June 7, 2005 BCT meeting. The boundary revision included a portion of Parcel T112 to the east and north of the WWTP area where dioxins were detected in shallow soil samples. On January 24, 2007, a second boundary revision was submitted separating Site 6 (CERCLA Program) and Site 6A (Petroleum Program). DTSC did not concur with the request to modify the boundary. To complete the RI, the Navy conducted a data gaps investigation in 2010 to further evaluate the nature and extent of chemicals in soil, soil gas, and groundwater. The RI Report will

incorporate comments received on the 2007 proposed boundary revision request and the 2010 data gap investigation results.

Other recent investigations include a soil gas sampling program completed in October 2004 to evaluate volatile organic compounds (VOC) in soil gas near former USTs 240A and 240B. Groundwater at Site 6 continues to be monitored semi-annually under the Basewide Petroleum Sites Groundwater Monitoring Program.

During 2008, Site 6 was utilized as a temporary excavated soil staging and loading area, including the radiological control area (RCA) for the Site 12 non-time critical removal action (NTCRA). Prior to use for staging and loading activities, a baseline radiological survey was conducted. While staging and loading activities were ongoing, engineering controls were developed, air monitoring equipment was installed, and a surveillance program for health and safety was in place. In addition to engineering controls, best management practices, such as keeping soil stockpiles covered to prevent releases, were used. The soil staging and loading area activities included temporary stockpiling and loading of soil into bins at which point they were characterized and shipped off-site to a licensed disposal facility. The waste shipped off-site includes both chemical and low level radiologically impacted soil (radium-226). Soils are no longer stockpiled at Site 6. Low level radiological waste that has been characterized and placed in sealed bins is stored in the RCA while awaiting off-site disposal. Once the Site 12 NTCRA has been completed, a Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) final status survey will be conducted at Site 6.

To address the concerns expressed by the California Environmental Protection Agency (Cal/EPA) San Francisco Bay Regional Water Quality Control Board) (Regional Water Board), the Navy is planning to conduct additional investigations in the vicinity of the formerly removed USTs (240 series) after the data results from the CERCLA data gaps investigation have been evaluated.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	CERCLA
Acreage	4.54
Sources of Concern	USTs; firefighting training area; OWSs
Contaminants of Concern	Dioxins and furans, total petroleum hydrocarbons (TPH), VOCs, polycyclic aromatic hydrocarbons (PAH)
Interim Actions	<ul style="list-style-type: none"> • USTs removed in 1992, 1995, and 2002. • Floating product removal action completed in 2002.
Current Status	<ul style="list-style-type: none"> • Additional data gap investigation underway. • Additional investigation of removed USTs (240 series) is planned. • Annual groundwater monitoring continues.
USTs/ASTs	<ul style="list-style-type: none"> • AST 248 and USTs 240A, 240B, 248A, 248B, 248C, and 248D: all are removed and awaiting no further action (NFA) concurrence. • Previously suspected UST M received concurrence on NFA December 2, 2003.
Estimated Site Closeout	CERCLA Closure: January 2016

SITE 7 – PESTICIDE STORAGE AREA

Site 7 is located north of 13th Street, between Avenue M and the Bay, in the northeast corner of TI. At Site 7, Building 62, the pesticide storage building, has been used to store and handle a variety of liquid substances in the past, including pesticides, chlorinated herbicides, paint, and other unidentified fluids. Building 62 was constructed on a raised pier foundation, with the floor of the building approximately 3 feet above ground surface. As was typical of this type of construction, the flooring was wooden. The pesticide storage area was on a raised wood floor in the north end of the building. Pesticides and chlorinated herbicides were mixed and prepared for use from about 1955 until at least the early 1960s. It was reported that excess pesticide and paint fluids may have been disposed of by pouring them directly onto the ground. Information on the total volume of waste fluids disposed of on site is not available.

The Dames and Moore PA/SI (1988) reported that, between 1968 and 1976, sludge from the adjacent WWTP was spread on the ground in an area measuring about 250 feet by 100 feet southwest of Building 62 and northeast of the corner of Avenue M and 13th Street. Soils to the west of Building 62 were investigated during the Phase I RI and the supplemental SI, and NFA was recommended. The total volume of sludge spread at this site and at Site 8 was estimated to be 10 to 15 cubic yards per month, totaling 960 to 1,440 cubic yards. Part of the new WWTP was constructed in the area where the sludge was reportedly spread. Boring logs for geotechnical borings advanced as part of the expansion of the WWTP did not indicate that sludge was encountered.

The Phase I RI Report (1992), the Phase IIB RI Report (1997), and a supplemental SI (2002) included an investigation of the soils outside and beneath the building. A subsequent request for closure was submitted as a letter report to the DTSC October 3, 2005, and concurrence with NFA was granted November 1, 2005.

Transfer Category	2010 FOST Parcel 6 (FOST 3)
Regulatory Classification	CERCLA
Acreage	2.22
Source of Concern	Pesticide storage; WWTP sludge
Contaminants of Concern	Metals, pesticides, and herbicides
Interim Actions	None
Current Status	<ul style="list-style-type: none">• Supplemental SI report was submitted for NFA October 18, 2002.• Letter report requesting closure following discussions of Site 32 results submitted October 3, 2005.• Received site closure concurrence from DTSC on November 1, 2005.
USTs/ASTs	None
Site Closeout	Closed

SITE 8 – ARMY POINT SLUDGE DISPOSAL AREA

Site 8, the Army Point Sludge Disposal Area, was used for approximately 8 years, between 1968 and 1976, for disposal of sludge from the WWTP on TI. Prior to 1968, the site contained buildings used as barracks for enlisted personnel. Waste sludge was transported from the WWTP and was spread on the ground between the foundations of former buildings at Site 8 to dewater the sludge. The same type of waste sludge was disposed of at Site 7. The final disposition of the sludge is not known; the dried sludge may have been allowed to decay in place or may have been removed. Given the shallow depth of sandstone and shale bedrock at the site, on-site burial is unlikely.

As a result of the identification of the site in the PA, an SI was completed in 1990 to assess subsurface soils potentially impacted by chemicals in the waste sludge deposited in the eastern portion of the site. Based on SI report conclusions, further investigation of the site was warranted to characterize the lateral and vertical extent of contamination. In 1997, the draft RI report included results of additional investigations conducted during Phase I and Phase IIB of the RIs completed in 1992 and 1995. The RI report noted potential beryllium and lead contamination at the site; however, concentrations of beryllium and lead were within the target risk range or below the point of departure. Pesticides/PCBs and semivolatile organic compounds (SVOC) were determined to not be contaminants of concern.

In June 2001, independent of the Navy's Installation Restoration (IR) Program, California Department of Transportation (Caltrans) collected soil samples at 13 discrete surface soil locations on Yerba Buena Island (YBI) as part of the San Francisco–Oakland Bay Bridge (SFOBB) construction project. Results of Caltrans' soil sampling conducted within the Site 8 boundaries indicated that concentrations of lead ranged from less than 50 to 170 milligrams per kilogram. Based on the Caltrans sampling report, the Navy concluded that existing data were sufficient to characterize the lateral and vertical distribution of lead in soils at Site 8. In December 2001, the Navy completed a validation study to confirm results of the screening-level ecological risk assessment included in the 1997 RI report for the Peregrine Falcon (*Falco peregrinus*). The study concluded that no unacceptable risk was posed to the falcon at Sites 8, 11, 28, and 29. The surface soil on the site may be contaminated by lead and other metals as a result of vehicle emissions, as well as bridge and ramp painting and maintenance. In 2002, additional lead investigations were conducted to fully delineate the extent and magnitude of lead in surface soils at Sites 8, 11, and 29; collect additional soils data for comparison to the validation study results; and provide additional data, if needed, for the human health risk assessment presented in the 1997 RI report for Sites 8, 11, and 29.

The Navy owned the property comprising the ramps and areas beneath the bridge until 2001, when the Federal Highway Administration (FHWA) transferred the bridge right-of-way and ramps from the Navy to Caltrans. Caltrans is now using this area during construction of the new eastern span of the SFOBB. Two footings for the SFOBB have been installed within the site boundaries of Site 8; the area of site surface soils disturbed by Caltrans construction activity was estimated by visual inspection in April 2005. The actual footing areas were excavated to a depth of 80 feet.

Two boundary changes have occurred at Site 8; the first, presented in October 2004 to the BCT, eliminated the northwest corner of Site 8 to allow for transfer of the property as part of the YBI parcel, independent of regulatory closure of Site 8. The second boundary change,

made in June 2005, eliminated overlap between CERCLA Site 8 and Site 29. Field inspections of Site 8 were performed in April and October of 2006 to verify removal of contaminated soil by Caltrans and to document ongoing construction activities. The Navy finalized the Interim RI Report for Sites 8 and 29 in March 2009. The Navy is currently in discussion with Caltrans regarding completion of the CERCLA site closeout process when bridge construction is complete. The schedule presented in [Appendix B](#) is based on Caltrans' quarterly schedule. Once bridge construction activities are complete, an RI addendum will need to be prepared for the site.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	On Caltrans-owned property
Regulatory Classification	CERCLA
Acreage	3.12
Source of Concern	WWTP sludge disposal area; lead-based paint (LBP) from the SFOBB
Contaminants of Concern	SVOCs and metals
Interim Actions	None
Current Status	<ul style="list-style-type: none"> Interim RI report (for Sites 8 and 29) was submitted in March 2009. Navy is discussing site closeout with Caltrans.
USTs/ASTs	None
Estimated Site Closeout	January 2020

SITE 9 – FOUNDRY

Site 9 is located adjacent to the southern corner of Building 3, about 150 feet from the shore, in the southeastern corner of TI. The site, which comprises Building 41 (the Foundry), has been used for multiple operations since the early 1940s. The indices of TI buildings from 1943 and 1947 list Building 41 as a forge and foundry; metals are the most likely contaminant sources from the foundry. Building 41 was listed as a paint shop from at least 1952 to 1981. One floor drain/sump, representing a possible discharge point, was observed next to the paint booth when Building 41 was inspected during the Phase I RI. Paints used at this facility are known to have contained lead- and zinc/chromium-based pigments. In addition, two concrete trenches, apparently remaining from a hydraulic lifting system, are present in the large middle room and are evidence that vehicle maintenance may have been performed there. A 30-gallon storage tank, presumably used to contain hydraulic oil for use with the hydraulic lift, is located in a concrete-lined pit at the eastern end of one trench. From 1981 to 1987, the building was used as a welding training school by the Navy Technical Training Center. In 1994, the building was used for small-boat maintenance, primarily body work. It is believed that the outdoor areas have been paved for most of the building's existence.

The RI report was finalized in March 2005. The RI concluded the Navy should pursue closure of Site 9 through a no action record of decision (ROD). A proposed plan (PP) outlining the no action ROD was submitted for public comment September 29, 2006 and a public meeting was held October 17, 2006. The public comment period closed October 31, 2006. A no action ROD was signed October 2, 2007.

Transfer Category	2010 FOST Parcel 2 (FOST 3)
Regulatory Classification	CERCLA
Acreage	0.28
Source of Concern	Potential spills or disposal of hazardous materials; potential discharge of wastes to the floor drain/sump in Building 41; potential release of hazardous constituents from oily waste contained in concrete-lined trenches from a former hydraulic lift system inside Building 41.
Contaminants of Concern	Iron, benzo(a)pyrene, dibenz(a,h)anthracene
Interim Actions	None
Current Status	No action ROD signed on October 2, 2007.
USTs/ASTs	AST 3; removed
Estimated Site Closeout	Closed

SITE 10 – BUS PAINTING SHOP

Site 10 includes Building 335, the Bus Painting Shop, and is located in the northeastern section of TI, north of 13th Street and between Avenue N and the Bay. Building 335 was constructed during the mid-1940s and operated as a bus painting shop through the 1950s. The building may have also been used for paint mixing for an unspecified period. Handling practices reported at similar facilities on NAVSTA TI indicate that waste paints, thinners, and solvents may have been released onto the ground near Building 335. Building 335 was also reportedly used for storing, mixing, and handling of pest control solutions (pesticides and chlorinated herbicides) during an unspecified time period. Pest control solution residues were reportedly washed from containers and spraying equipment. It was also reported that Building 335 housed a self-service steam rack used to clean vehicles, drums, garbage cans, and related equipment. A floor drain was reportedly used in the building and was connected to the storm water sewer system, thus potentially conveying contaminants directly into the Bay. An inspection of the building in March 1994 revealed a cement-patched area that may have been the former location of the floor drain.

Petroleum Program investigations revealed dioxin-contaminated surface soil along the eastern boundary of Site 10 associated with a shallow burn layer. An exploratory investigation of the dioxins in soils was conducted in the fall of 2005, and impacted soils were removed.

The RI report was finalized in March 2005. The RI concluded the Navy should pursue closure of Site 10 through a no action ROD. A PP outlining the no action ROD was submitted for public comment September 29, 2006, and a public meeting was held October 17, 2006. The public comment period closed October 31, 2006. A no action ROD was signed October 2, 2007.

Transfer Category	2010 FOST Parcel 2 (FOST 3)
Regulatory Classification	CERCLA
Acreage	0.68
Source of Concern	Maintenance yard; pesticide storage; paint mixing
Contaminants of Concern	Iron, benzo(a)pyrene, dibenz(a,h)anthracene
Interim Actions	Dioxin-impacted soils removed 2005.
Current Status	No Action ROD signed October 2, 2007.
USTs/ASTs	ASTs 335A, 335B, 335C; removed
Estimated Site Closeout	Closed

SITE 11 – YBI LANDFILL

Site 11, the YBI Landfill, is an approximately 200-foot by 600-foot former marsh area on the southern side of the eastern tip of YBI. This site was identified as a disposal area in a 1935 topographic map. The exact dates of sanctioned landfill operation have not been established. Signs in the area currently prohibit dumping. The types and amounts of waste disposed of at the site are not well documented. During a site visit in April 1994, buried concrete debris was observed in an eroded section of land near the beach at the easternmost extent of the landfill area. This buried debris is evidence that land filling had occurred in that area. The material disposed of at the site is solid wastes from operations at YBI and TI, although the exact nature of the material is unknown. Miscellaneous household waste was noted in test pits installed during the Phase I RI. During evaluation of the extent of the landfill, construction debris was found in numerous trenches and test pits completed in 2002. Petroleum-contaminated sand was found in the landfill underlying a burn layer. Groundwater contamination has been detected at the site and appears to originate from the buried materials.

In December 2001, the Navy completed a validation study to confirm results of the screening level ecological risk assessment included in the 1997 RI Report for the Peregrine Falcon (*Falco peregrinus*). The study concluded that no unacceptable risk was posed to the falcon at Sites 8, 11, 28, and 29.

In 2002, additional lead investigations were conducted to fully delineate the extent and magnitude of lead in surface soils at Sites 8, 11, and 29; collect additional soils data for comparison to the validation study results; and provide additional data, if needed, for the human health risk assessment presented in the 1997 RI Report for Sites 8, 11, and 29.

Additional sources of contamination at the landfill include five USTs (270 and 204A through 204D) and a fuel pipeline. UST 270, which was not within the landfill area, has been removed. The other four USTs, 204A through 204D, were located in the south-central portion of the site and were removed in September 2003. The Regional Water Board concurred that NFA was required with respect to the USTs in a letter dated June 17, 2004. The U.S. Coast Guard (USCG) Petroleum Program Site extends into the Site 11 boundary, and the USTs and fuel lines formerly located within the USCG site may be sources of contamination. Further investigations at the USCG site are pending.

The surface soil on the site may be contaminated by lead and other metals as a result of vehicle emissions, as well as bridge and ramp painting and maintenance. In June 2005, a boundary change was made to eliminate the overlap between Site 11 and Site 29. Construction activities associated with the new SFOBB have greatly altered the landfill surface, which is currently being used by Caltrans as a laydown area for bridge construction materials. The Final Interim RI report for Site 11 was submitted January 27, 2010. The Navy is currently in discussion with Caltrans regarding completion of the CERCLA site closeout process when bridge construction is complete. The schedule presented in [Appendix B](#) is based on Caltrans' quarterly schedule. Once bridge construction activities are complete, an RI addendum will need to be prepared for the site.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	On Caltrans-owned property
Regulatory Classification	CERCLA; UST
Acreage	2.46
Source of Concern	Landfill solid waste (unknown type); USTs and fuel pipeline; LBP from the SFOBB
Contaminants of Concern	TPHs, PAHs, VOCs, and metals
Interim Actions	None
Current Status	<ul style="list-style-type: none"> Interim RI report (Site 11) was submitted January 27, 2010. Navy is discussing site closeout with Caltrans.
USTs/ASTs	USTs 270, 204A through 204D; removed
Estimated Site Closeout	<p>July 2020</p> <p>USTs 204A through 204D received regulatory concurrence from the Regional Water Board June 17, 2004 (NFA). UST 270 received regulatory concurrence from the Regional Water Board February 10, 2004 (closed).</p>

SITE 12 – OLD BUNKER AREA

Site 12, the Old Bunker Area, is located on the northwestern portion of TI and occupies about 93 acres of the island. Site 12 is currently the TI housing area. Site 12 is a flat area, consisting of grassy lawns, paved roads, and residential housing units with back yards. The area was used for military housing since about 1968. Site 20, a petroleum site, is located within the Site 12 area and encompasses 1.6 acres that is fully encircled by Site 12.

Solid Waste Disposal Areas

Several ammunition bunkers were located within Site 12 before the area was developed as military housing. As early as 1945, nine large ammunition bunkers and 12 smaller bunkers were visible along the northern end of TI. These bunkers were constructed in 1944 as reinforced concrete structures covered by sand, with a chert rock and clay surface. A backfilled blast wall, the same height as the bunkers, existed along the open side of the structures. Observations documented during soil trenching and boring activities, before the 1965 housing foundations were excavated, indicated that the areas between and around the bunkers were used for incineration and disposal of solid waste. Both trench-type disposal units and general land-surface areas were used to dispose of materials such as loose rubbish, bottles, wire rope, paper, and steel. These areas have been divided into four identified solid waste disposal areas (SWDA): SWDAs 1207/1209, 1231/1233, and A&B occur along the shoreline, and the fourth is in the central portion of Site 12, at Bigelow Court.

Hazardous material from portions of the 4 SWDAs was removed in 1999, 2000, and 2001, but some hazardous material remains in soil in and adjacent to these areas. An engineering evaluation/cost analysis (EE/CA) for a NTCRA at the SWDAs was finalized October 12, 2006 followed by a public meeting October 24, 2006.

A NTCRA began in May 2007 at three SWDAs along the shoreline. The Navy is currently excavating and screening soils for chemical and radiological contaminants. During the NTCRA, low level radiological items, containing radium-226, have been found within the SWDAs. All items located have been removed and disposed of properly. Soil that may have been impacted by these items was screened prior to shipment off-site by an appropriate disposal contractor. Confirmation samples are being collected in the SWDA areas once excavations are completed. When all removal action activities are complete, the Navy will conduct a residual risk evaluation for the SWDAs that will be included in the removal action completion report and/or the feasibility study. In addition, final radiological status surveys (FSS) of the SWDAs will be performed in accordance with MARSSIM (Revision 1 August 2000, with the June 2001 updates). The Navy estimates that the NTCRA field activities will be completed in 2011.

Bigelow Court

Bigelow Court, located in the central portion of Site 12, was identified as a SWDA during sampling activities in 2001. A removal action previously occurred on the eastern side of Bigelow Court in 2000 as a part of a larger removal action in Halyburton Court. Bigelow Court was included in the 2006 EE/CA, though the removal action was delayed until 2011.

Halyburton Court

Review of historical records and aerial photographs also helped identify an area within the interior of Site 12 as a former storage yard, located in the vicinity of what is currently referred to as Halyburton Court. This former storage yard differs from the solid waste disposal areas because waste was not intentionally disposed of in this area. Results from sampling in 2000 indicated soils in the former storage yard area contained PCBs and PAHs at concentrations in excess of the action levels protective of human health. Based on these results, the Navy performed a removal action in the former storage yard area between 2000 and 2001. Because PCBs were left in place beneath the buildings in Halyburton Court, an investigation of PCBs in soil, soil gas, and indoor air was conducted during December 2005 and July 2006. Upon further evaluation the Navy determined the proposed removal action would not significantly reduce the risk in Halyburton Court, and the EE/CA was cancelled. The risk in the area will be evaluated as part of the Site 12 RI Report.

Pilot Study for Arsenic in Groundwater

Investigations at the site have identified elevated concentrations of arsenic in groundwater in the vicinity of Buildings 1311 and 1313. In addition to the elevated arsenic concentrations in groundwater, elevated TPH concentrations in soil and groundwater have been reported. A 1971 report indicated an oil tank was buried underground in the vicinity of Buildings 1311 and 1313. The report also indicated the UST was to be removed during grading of the site for construction of housing. There is no documentation of removal or closure of the UST. A technical memorandum published in 2001 attributed the elevated arsenic concentrations to the reducing environment created by the biodegradation of TPH at the site. A bench scale treatability study of arsenic in groundwater has been completed. A pilot scale treatability study is being evaluated while free product observed in the area is addressed. Review of historical drawings indicated former buildings in the area may have had associated USTs. Geophysical surveys performed in 2009 identified several anomalies. Groundwater wells have been installed and will be monitored for TPH.

Remedial Investigation

As part of the RI, the Navy performed a soil-gas investigation in the fall of 2008. The technical memorandum reporting the results of the soil gas investigation was finalized in early 2009. A human health risk evaluation technical memorandum was prepared in August 2010 to document human health risks from soil at each exposure unit and to determine a path forward for sampling of backyards. The RI report is currently being prepared.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	CERCLA
Acreage	93.2
Source of Concern	Incinerator; debris disposal areas; former storage yard
Contaminants of Concern	PCBs, PAHs, dioxins, TPH, arsenic, lead, Radium-226, and debris
Interim Actions	<ul style="list-style-type: none"> • Soil removal action conducted at SWDA 1207/1209 between June and August 1999. • Soil removal action conducted at SWDA A&B, November 1999. • Soil removal action conducted north of Mariner Drive Petroleum Area to remove PAHs in shallow soil in 2001. • Soil removal action conducted at former storage yard at Halyburton Court in 2000 to 2001.
Current Status	<ul style="list-style-type: none"> • The NTCRA of SWDAs is underway (with MARSSIM survey). • Arsenic pilot study is ongoing in the area near Buildings 1311 and 1313. • HHRA Technical Memorandum finalized August 20, 2010. • RI report is being prepared.
USTs/ASTs	One previously suspected UST received NFA concurrence from the Regional Water Board December 2, 2003.
Estimated Site Closeout	September 2018

SITE 13 – STORM WATER OUTFALLS/OFFSHORE SEDIMENTS

Site 13 comprises the offshore areas around the perimeter of NAVSTA TI and Clipper Cove. It excludes Site 27, the former skeet range located in the Clipper Cove, and a submerged parcel that has been reassigned to the USCG. In 1992, the Navy collected data to assess whether chemicals were moving off shore via the storm water outfalls. Based on the results of this storm water investigation, it was determined that chemicals may have been released to the offshore areas and that further investigation of Site 13 was warranted. A second investigation was therefore conducted in 1996 to further characterize the sources, extent, and potential toxicity of chemical contamination in the offshore sediments. The results of these two offshore investigations indicated that metals, PCBs, PAHs, dichlorodiphenyltrichloroethane (DDT), and other organic compounds were the chemicals most frequently detected in sediment samples.

Two additional investigations were conducted in 2001 and 2002 of the sediments adjacent to possible onshore source areas at Sites 11 and 12, where burned solid waste or PCB-contaminated material may have been deposited. Offshore samples were collected and analyzed for TPH and PCBs. Concentrations of metals, PCBs, and TPH in the offshore sediments were not found to be elevated. These studies indicated that no additional investigation was needed. A PP for Site 13 was prepared and released to the public on April 1, 2004. Results of four offshore sediment investigations were used to conduct an ecological risk assessment, which concluded the offshore sediments at Site 13 do not pose an unacceptable risk to the environment. Following a public meeting that presented the no-action alternative, a ROD was drafted and signed April 7, 2005.

Transfer Category	2010 FOST Submerged parcel (FOST 3)
Regulatory Classification	CERCLA
Acreage	520
Source of Concern	Storm drains, storm water outfalls
Contaminants of Concern	Metals, PAHs, PCBs, DDT, and TPH
Interim Actions	None
Current Status	No action ROD signed on April 7, 2005.
USTs/ASTs	None
Site Closeout	Closed

SITE 21 – VESSEL WASTE OIL RECOVERY AREA

Site 21, the Vessel Waste Oil Recovery Area, is along the southeastern edge of TI, directly adjacent to Clipper Cove. Site 21 originally consisted of a 400-foot-long by 75-foot-wide area along the shoreline. The site boundary has since been expanded to include the open area between Building 3 and the shoreline.

The vessel waste oil recovery area operated between 1946 and 1995. Waste oil from the ships was unloaded into cylindrical steel shells called “donuts.” From the “donuts” the waste oil unloaded from ships was transferred to an onshore oil-water separation facility at Site 21. The separation facility consisted of five aboveground tanks, each with a capacity of 2,000 gallons. These tanks were removed in 1995. The separation system was maintained on a paved area that was reportedly heavily stained, but little staining is still visible. Analytical data from the sampling of monitoring wells at Site 21 demonstrate no pattern of elevated levels of TPH in groundwater.

Building 3, near the waste oil recovery area, was used for various activities, including aircraft maintenance. A dip tank was reportedly located at the southeastern corner of Building 3 that was used to clean aircraft parts. No records are available that describe the types and quantities of chemicals used or disposed of during parts cleaning operations; however, use of the solvents tetrachloroethene (PCE) and trichloroethene (TCE) as degreasing agents for cleaning metal parts was widespread at the time of Navy operations. Contamination of groundwater at Site 21 is believed to have resulted from small spills of PCE and TCE in the dip tank area during former parts cleaning operations.

Most of the smaller buildings in the area of Site 21, such as Buildings 289, 290, and 325, serve as storage areas.

A treatability study, to evaluate cleanup alternatives for contaminated groundwater at Site 21, was ongoing between August 2005 and August 2010. The treatability study report is currently being prepared. One additional year of groundwater monitoring is planned. An RI report for Site 21 was finalized in February 2007. The RI report recommended a feasibility study (FS) be conducted using data collected from treatability studies of in situ treatment technologies. The Focused FS (FFS) was submitted in February 2009. A PP is currently being prepared and will incorporate the most recent treatability study results.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	CERCLA; UST
Acreage	2
Source of Concern	OWS; ASTs; petroleum/oil/lubricants lines; dip tank
Contaminants of Concern	VOCs and TPH
Interim Actions	Treatability study for VOC source area
Current Status	<ul style="list-style-type: none"> • FFS report was submitted in February 2009. • Treatability study data collection (in situ bioremediation) completed in August 2010. • Treatability study report is being prepared. • PP being prepared.
USTs/ASTs	ASTs 12A through 12E; removed
Estimated Site Closeout	February 2018

SITE 24 – DRY CLEANING FACILITY

Site 24 is located on the southeastern part of TI and extends from the central portion of the island east, toward the Bay. Site 24 encompasses two former CERCLA sites, Sites 05 (the Old Boiler Plant) and 17 (ASTs 103 and 104), which are located along the southwest boundary of Site 24. Petroleum sites within Site 24 include Site 04/19, the former Hydraulic Training School/Refuse Transfer Area; Inactive Fuel Line sites D1A, D4B, F2B, and a small portion of Site F2A; Building 530 Fuel Line Site; and former UST 230.

Other Sites within the Site 24 Boundary

Former Sites 5 and 17 were incorporated into Site 24 for further investigation. Site 5 included Building 102, a boiler plant that operated from 1943 through 1968 when it was demolished. Various chemicals may have been used during the boiler operations to prevent scaling. Typical chemicals used to prevent scaling include morphaline, caustic soda, sulfite, and brine. It is reported that building debris, including asbestos-containing materials, were buried where the building stood. Pipeline trenching in 1987 uncovered the buried debris, including asbestos insulation. The debris was not removed, but instead backfilled and covered with asphalt. Following recommendations in the 1988 PA/SI to further evaluate the area, ground-penetrating radar (GPR) was used to delineate the disposal area. Soil samples were collected from borings and a test pit and analyzed for asbestos. No asbestos was observed during field activities and no asbestos was detected in the soil samples collected. It was decided in January 2001 that the CERCLA constituents within the Site 5 boundary will be considered a part of Site 24 and will be evaluated in the Site 24 RI report. The petroleum-related constituents were evaluated as part of Fuel Line Site F2B, which has since been closed by the Regional Water Board.

Site 17 is comprised of the area surrounding ASTs 103 and 104. The ASTs are each 200,000-gallon-capacity diesel fuel storage tanks, measuring approximately 20 feet in diameter, and are 20 feet high. They are surrounded by a concrete paved area and a 4-foot-high berm that was built sometime after 1983. A small pump house, Building 105, is situated between the two tanks. The ASTs were installed before 1943, decommissioned in 1993, and emptied and cleaned in 1996, but have not yet been dismantled. Historical releases in the area have been documented. A second possible source of contamination is waste oil, possibly containing PCBs, which was reportedly spread at least once around the base of both ASTs for weed and dust control. This practice was discontinued when the area was paved after 1983. The ASTs were investigated and closed as part of Fuel Line Site F2B.

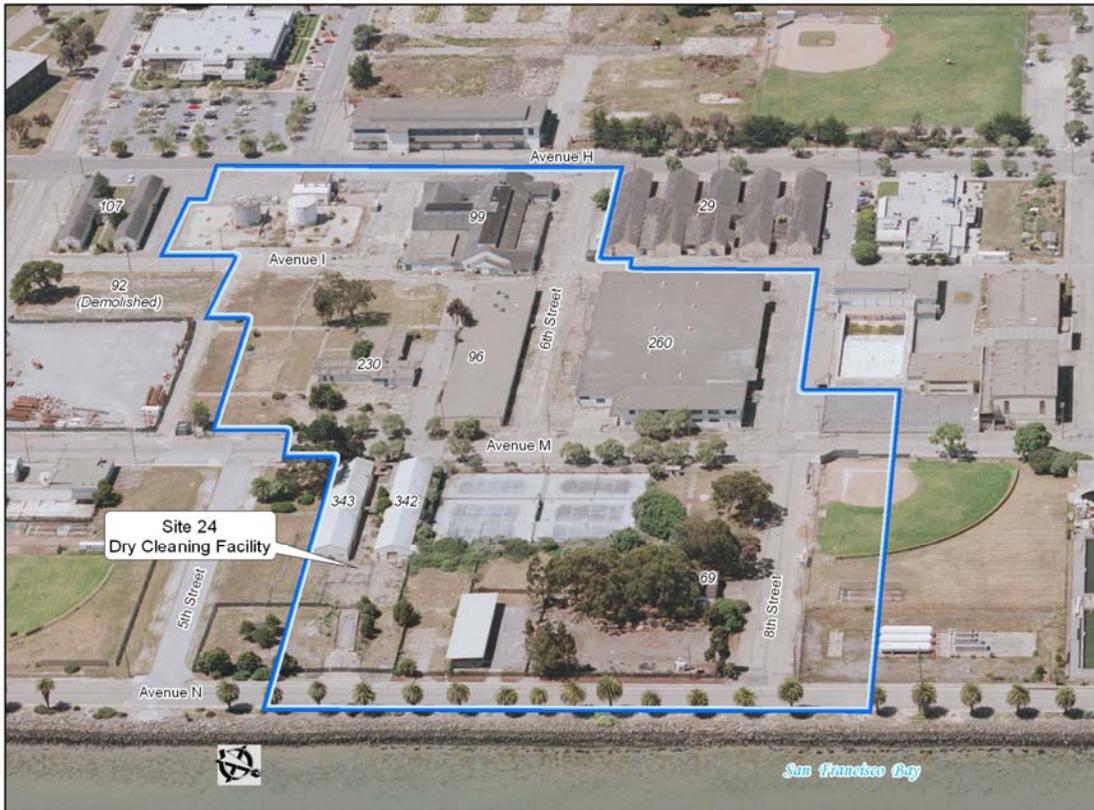
Former Petroleum Program Sites 4 and 19 are also within the Site 24 boundary. In December 2003, the Regional Water Board concurred NFA is required for petroleum contamination at Sites 4 and 19. In addition, former fuel pipelines D1, D2, D4, and F2 traversed portions of Site 24. Fuel leaks associated with the fuel lines have been addressed under the Petroleum Program. A removal action was completed along former fuel line F2 along 5th Street. The Regional Water Board concurred that NFA was required at fuel lines F2A and F2B. A boundary change for Site 24 proposed in March 2005 adjusted the boundary to completely encompass Building 99 and an associated VOC plume (discussed below), as well as reduce overlap with the F2 fuel line sites and the Site 33. The BCT concurred in November 2005.

Building 99 VOC Plume

Building 99 is located in the northwestern section of Site 24. It was used as a laundry facility from 1942 to 1977 and as a dry cleaning facility for an unknown interval within that period. Waste solvents used during dry cleaning operations were discharged to soil and groundwater beneath the floor of Building 99 as a result of leaks or spills. The volume of solvents that may have been released to the ground is unknown. Building 99 was later used for meat processing and as a print shop, and most recently as an office and workshop for film sets.

The Navy conducted an investigation from April through July 2003 to delineate the horizontal and vertical extent of a plume of VOCs in groundwater that originates from Building 99 within Site 24. A treatability study was conducted in the source area under Building 99, through March 2004, to evaluate anaerobic in situ bioremediation (ISB) as a potential remedial option to treat high VOC concentrations at the site. The treatability study was expanded in late 2004 and early 2005 to evaluate the effectiveness of the ISB treatment to address low VOC concentrations in the more mobile portions of the plume. The expanded treatability study in the plume area successfully reduced VOC concentrations to below the treatability study cleanup goal of 100 micrograms per liter total VOCs in most areas of the plume. The treatability study was expanded again in 2008 to investigate the potential presence of dense nonaqueous-phase liquids in the vicinity of Building 99 and to test reversal of the injection/extraction pump system to optimize bioorganism circulation and degradation. The treatability study is expected to be completed in 2011, and one additional year of groundwater monitoring is planned.

The Final RI/FFS was submitted July 3, 2008. The PP is currently being prepared and will incorporate the most recent treatability study results.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	Petroleum; CERCLA; UST
Acreage	20.46
Source of Concern	Solvent spills and leaks within Building 99; petroleum/oil/lubricants
Contaminants of Concern	Petroleum, oil, lubricants, chlorinated solvents
Interim Actions	Treatability study for VOC source and plume areas
Current Status	<ul style="list-style-type: none"> Expanded treatability study (in situ bioremediation) in progress. PP is being prepared.
USTs/ASTs	<ul style="list-style-type: none"> UST 230 closed by the Regional Water Board in 1997. ASTs 103, 104; received NFA concurrence from the Regional Water Board May 9, 2005. ASTs 455A-D (boiler additives) are noted as inactive.
Estimated Site Closeout	September 2017

SITE 27 – CLIPPER COVE SKEET RANGE

Site 27, located in Clipper Cove, is situated directly between TI and YBI. Between 1979 and 1989, a portion of Clipper Cove was used as a naval skeet range. Naval personnel fired lead shot over the water as clay skeet targets were launched from the shoreline. In 1993, the Clipper Cove Skeet Range was identified as a potential environmental concern, based on the Regional Water Board Order No. 93-130 “Site Cleanup Requirements for NAVSTA TI Skeet Range.” In October 1993, the BCT agreed to comply with the Regional Water Board Order requirements through the CERCLA process and include the Clipper Cove Skeet Range in the Navy’s IR Program as Site 27 (Remedial Project Manager/BCT Meeting Minutes October 1993). In 1996, samples were collected at Site 27 to define the vertical and horizontal extent of lead shot, lead, and PAHs in the offshore sediments and overlying surface water. Additional investigation of lead and PAHs in the onshore soils of Site 27 was conducted under the EBS data gaps investigation in 2004. In September 2005, a hydrographic study was conducted to evaluate sedimentation rates and deposition in Clipper Cove. The results indicated steady-state conditions and sediment thickness may not be protective of diving ducks within 150 feet of the shoreline; therefore, an additional sediment investigation to characterize the distribution of lead shot in near-shore sediments was conducted in March 2008. The investigation indicated that lead shot is covered by only 1 foot of sediment in some near-shore locations. A revised FS report was finalized August 13, 2010. The PP is being prepared.

The Navy prepared a site boundary change technical memorandum to exclude the upland portion of the site in support of property transfer. The boundary change was finalized on August 20, 2010.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	CERCLA
Acreage	18.77
Source of Concern	Skeet range
Contaminants of Concern	Lead shot, lead, and PAHs
Interim Actions	None
Current Status	<ul style="list-style-type: none"> Revised FS report, inclusive of the sediment investigation results, was finalized. PP is being prepared.
USTs/ASTs	None
Estimated Site Closeout	October 2013

SITE 28 – WEST SIDE ON/OFF RAMP

Site 28 is located in the western portion of YBI and is bounded to the west by the Bay, to the east by Treasure Island Road, and to the south by Site 29. The Navy owned the property comprising the ramps and the area beneath the bridge until 2001, when the FHWA transferred the bridge right-of-way and ramps from the Navy to Caltrans; however, due to the boundary change made in June 2005 to exclude the west side on/off ramps from Site 28. Apart from the roads running through Site 28, most of the site is steeply sloped to the southwest toward the Bay and densely vegetated with trees and brush.

The SFOBB connects San Francisco with Oakland and other East Bay cities and crosses NAVSTA TI through a tunnel on YBI. Treasure Island Road has been in operation since the SFOBB was constructed in 1936.

Site 28 was not included in the IR Program until after the 1992 draft Phase I RI reporting period. An initial soil investigation was conducted in 1992 by Blaine Technical Services, Inc., a subcontractor to Seaworkers, Inc., in 1993. The investigation was conducted in connection with health and safety concerns for workers performing seismic improvements to the on/off ramps in areas possibly containing elevated concentrations of metals in airborne dust. Additional investigations performed as part of the primary Phase IIB RI were reported in the draft 1997 RI report. In December 2001, the Navy completed a validation study to confirm results of the screening-level ecological risk assessment included in the 1997 RI report for the Peregrine Falcon (*Falco peregrinus*). The study concluded that no unacceptable risk was posed to the falcon at Sites 8, 11, 28, and 29. The surface soil on the site may be contaminated by lead and other metals as a result of vehicle emissions, as well as bridge and ramp painting and maintenance.

The Navy finalized the RI report with recommendations for NFA. An NFA PP and public comment period were completed by April 29, 2010. A NFA ROD is being finalized.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	2010 FOST Site 28 Parcel (FOST 3)
Regulatory Classification	CERCLA
Acreage	10.53
Source of Concern	LBP from the SFOBB
Contaminants of Concern	Lead
Interim Actions	None
Current Status	<ul style="list-style-type: none"> • RI Report was submitted in February 2009. • NFA PP was finalized in May 2010. • NFA ROD is being finalized.
USTs/ASTs	None
Estimated Site Closeout	December 2010

SITE 29 – EAST SIDE ON/OFF RAMPS

Site 29 is located below and parallel to the SFOBB from the northeastern portion of YBI westward to the YBI tunnel, and a portion of the site is on the western side of the YBI tunnel. The western and central portion of the site is mostly covered by pavement or concrete associated with the bridge and the on- and off-ramps. The Navy owned the property comprising the ramps and the area beneath the bridge until 2001, when the FHWA transferred the bridge right-of-way and ramps from the Navy to Caltrans. The SFOBB and west side on/off ramps border the southern portion of Site 28 and were included in Site 29 based on the boundary change made in June 2005. The remainder of the site, on the east side of the YBI tunnel, is steeply sloped to the southwest and vegetated with trees and brush. The YBI on/off ramps have been in operation since the SFOBB was constructed in 1936. The SFOBB connects San Francisco with Oakland and other East Bay cities and crosses NAVSTA TI through a tunnel on YBI. The surface soil on the site may be contaminated by lead and other metals as a result of vehicle emissions, as well as bridge and ramp painting and maintenance.

Site 29 was not included in the IR Program until after the 1992 draft Phase I RI reporting period. While Site 29 was not investigated during the Phase I RI, samples for the Site 11 RI (adjacent to Site 29) were collected within the Site 29 boundary. Additional investigations performed as part of the primary Phase IIB RI were reported in the draft 1997 RI report. In December 2001, the Navy completed a validation study to confirm results of the screening-level ecological risk assessment included in the 1997 RI report for the Peregrine Falcon (*Falco peregrinus*). The study concluded that no unacceptable risk was posed to the falcon at Sites 8, 11, 28, and 29.

Petroleum Program investigations have overlapped with the Site 29 boundaries. The former fuel pipelines YF3 and USCG were investigated in 1997, and additional borings were drilled in 2000 and 2001 for further delineation of the extent of contamination along the former fuel pipelines. The Regional Water Board has requested the Navy to perform additional investigation along this section of the pipeline. Removed UST 270, formerly within the Site 29 boundaries, was investigated from 1995 to 1997. The Navy received an NFA closure letter from the Regional Water Board for UST 270 in 2004.

An SI was performed by Caltrans in 2001 to chemically characterize soil and groundwater for potential contaminants that may be encountered during construction activities. In 2002, additional lead investigations were conducted to fully delineate the extent and magnitude of lead in surface soils at Sites 8, 11, and 29; collect additional soils data for comparison to the validation study results; and provide additional data, if needed, for the human health risk assessment presented in the 1997 RI report for Sites 8, 11, and 29. Field inspections of Site 29 were performed in April and October of 2006 to verify removal of contaminated soil by Caltrans and to document ongoing construction activities.

The Navy finalized the Interim RI report for Sites 8 and 29 in March 2009, and is discussing site closeout with Caltrans. The Navy is finalizing a site boundary change technical memorandum to exclude the SFOBB off-ramp in support of property transfer.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	On Caltrans-owned property (Freeway On-Off Ramps only – FOST 3) On Caltrans temporary construction easement property
Regulatory Classification	CERCLA; UST
Acreage	15.13
Source of Concern	LBP from the SFOBB; fuel line
Contaminants of Concern	Lead and SVOCs
Interim Actions	None
Current Status	<ul style="list-style-type: none"> • Interim RI report was submitted in March 2009. • Navy is discussing site closeout with Caltrans. • Site boundary change is being finalized.
USTs/ASTs	<ul style="list-style-type: none"> • UST Quarters 8: removed, received NFA concurrence from the Regional Water Board October 3, 1997. • UST 213, previously suspected, never existed; received NFA concurrence from the Regional Water Board December 2, 2003.
Estimated Site Closeout	January 2020

SITE 30 – DAYCARE CENTER

Site 30, Daycare Center, is located south of the Treasure Island Elementary School, at the corner of Avenue D and 11th Street. The site was undeveloped until the Navy's former daycare center was built in 1985. After NAVSTA TI closed, the Treasure Island Daycare Center was leased to the City of San Francisco under a finding of suitability to lease (FOSL) on July 29, 1997. The current daycare center opened on March 17, 2003.

As part of the EBS to support the leasing of the daycare center, the Navy reviewed a 1989 as-built drawing of the water lines in the area; the drawing noted the comment "buried trash" along 11th Street. In 2002, a series of investigations identified various types of wastes, including buried burned debris associated with historical practices that contained lead at concentrations that exceeded the site soil screening level. Based on these findings, in July 2002, the Navy completed a time-critical removal action. Additional burned debris was found, and analytical results for soil samples collected showed dioxins, lead, arsenic, and vanadium were present. The Navy continued to investigate in an effort to delineate the extent of the burned debris and dioxin contamination. Some of the soil containing burned debris was not accessible and could not be removed. In January 2003, the Navy therefore installed a 6-inch concrete pad adjacent to the daycare center to cover the 1,400-square-foot area around and between the locations that contain elevated concentrations of dioxin in the subsurface soil. The concrete pad serves as a protective barrier to prevent contact with the soil. The site was designated as a CERCLA site in September 2002. The Site 30 boundary adjacent to Site 31 was modified in February 2005 to exclude the sidewalks on the south side of 11th Street.

A groundwater investigation was conducted in May 2004. Samples were analyzed for VOCs, SVOCs, metals, TPH, pesticides, PCBs, and dioxins. No chemicals were detected above TI groundwater screening values. The RI report was finalized in February 2006. The FS was finalized in November 2006. The PP was finalized September 18, 2008. The public meeting was held on October 7, 2008. The ROD was finalized August 5, 2009, and a land use control (LUC) work plan is being finalized.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	CERCLA
Acreage	1.46
Source of Concern	Burn debris disposal area
Contaminants of Concern	Dioxins
Interim Actions	Time-critical removal actions in July 2002 and agency-approved concrete cap installed January 2003.
Current Status	LUC work plan is being finalized.
USTs/ASTs	None
Estimated Site Closeout	December 2010

SITE 31 – FORMER SOUTH STORAGE YARD

Site 31, the asphalt-covered playground south of the Treasure Island Elementary School, is located at the corner of Avenue E and 13th Street. This site is referred to as the Former South Storage Yard. According to historical aerial photographs, Site 31 was used during the 1970s as a storage yard; however, the nature of, and operations at the storage yard are unknown. In the late 1970s, the area was paved over and developed as a playground for the elementary school. Based on the FOSL and the restrictions identified therein, the Navy entered into a lease agreement with the San Francisco Unified School District on May 13, 1996 for the elementary school and associated playground.

In 2002, the Navy investigated the area because of its former use as a storage yard and because of the reference to an “old trash dump” noted on a 1989 as-built drawing for the 11th Street water line replacement project. An initial investigation identified the presence of construction and burned debris. The initial investigation also identified concentrations of lead, PCBs, and DDT in soil that were elevated above the site screening levels. These chemicals may have been associated with fuel leaks or other releases from the machinery, electrical equipment, and paint that were stored in the former storage yard area. The site was designated as a CERCLA site in September 2003. The Site 31 boundary adjacent to Site 30 was modified in April 2005 to include the sidewalks on the south side of 11th Street.

An additional soil investigation in 2003 identified concentrations of TPH as diesel and motor oil, PAHs, and dioxins at the site. The asphalt currently serves as a protective barrier to prevent contact with the soil beneath the playground. A groundwater investigation was conducted in May 2004. Samples were analyzed for VOCs, SVOCs, metals, TPH, pesticides, PCBs, and dioxins. None of these chemicals were detected in groundwater above TI groundwater screening values.

The RI report was finalized in July 2006. The FS report was finalized in March 2007. The PP was finalized September 18, 2008. The public meeting was held on October 7, 2008. The ROD was finalized on August 5, 2009. A final remedial design and remedial action work plan was submitted January 28, 2010. The post remedial action field work began February 2, 2010 and is ongoing.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	CERCLA
Acreage	2.02
Source of Concern	Storage yard, burn debris disposal
Contaminants of Concern	Lead, dioxins, and benzo(a)pyrene
Interim Actions	None
Current Status	<ul style="list-style-type: none"> Remedial design/remedial action work plan was submitted January 28, 2010. Remedial action field work ongoing.
USTs/ASTs	None
Estimated Site Closeout	January 2012

SITE 32 – FORMER TRAINING AND STORAGE AREA

Site 32, the Former Training and Storage Area, consists of portions of EBS Parcels T111 and T115, and is located east of the WWTP on Avenue M and includes Buildings 462 and 463. The area has been used as a parking area for vehicles and forklifts, a storage area for hazardous materials and hazardous wastes, a tear gas training area, and as storage for former training facilities. A concrete pad, located north of Building 463, formerly held an electrical transformer. Historically, the site was also used for radiological decontamination training. The Damage Control School was relocated from the northwestern area (Site 2) to the northeastern area of the base in March of 1970. The new training complex consisted of Buildings 461, 462, 463, and the exercise area containing the U.S.S Pandemonium mockup. Training activities at the complex are discussed in more detail in the “Final Treasure Island Naval Station Historical Radiological Assessment” by Weston Solutions, Inc., published February 2006. The “Historical Radiological Assessment” evaluated past operations in the vicinity and determined that radiological issues were not a concern. Building 445 is located within Parcel T115 and was historically used for forklift maintenance, boat motor storage, general shop activities, and administrative offices. The Site 32 area was designated for investigation because fluid that contained PCBs was known to have been released from the former transformer and to assess the possibility of contamination associated with historical site usage.

Initial investigations, under the EBS data gaps investigation, were conducted at the site in April 2003. Additional investigations were conducted between September and November 2003. Soil and groundwater samples were collected. Soil samples from the initial investigation contained concentrations of PCBs, TPH as diesel and motor oil, dioxins, and pesticides. There were no detections in groundwater above screening criteria. The site was designated as a CERCLA site on April 6, 2004. An adjustment to the boundary between Sites 6 and 32 was made in June 2005. Additional trenching activities were performed at Site 32 in October 2005 to investigate the nature and extent of dioxins in shallow soils. An RI Report has been completed that recommends the completion of an FS. A Toxic Substances Control Act (TSCA) PCB remediation was completed at Site 32 in March 2010. A year of post removal action groundwater monitoring is underway. A post construction summary report is being finalized.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	CERCLA
Acreage	2.60
Source of Concern	Transformer, storage area
Contaminants of Concern	PCBs, TPH, dioxins, pesticides
Interim Actions	None
Current Status	<ul style="list-style-type: none"> • RI report was submitted October 2008. • Removal action of PCBs completed in March 2010. • Post construction summary report is being finalized. • One year of groundwater monitoring is underway.
USTs/ASTs	None
Estimated Site Closeout	November 2012

SITE 33 – WATER LINE REPLACEMENT AREA

Site 33, the Water Line Replacement Area, is located south of Site 24. The area was identified on historical as-built drawings, which showed locations where crews observed debris in the trench for the water line during extensive repairs in the 1980s. In addition, areas of debris were identified near Building 530 (Parcel T015) during removal of a petroleum pipeline. Most of the areas of debris are within the footprint of the former Lake of the Nations, constructed for the Golden Gate International Exposition of 1939 and 1940.

Initial investigations, under the EBS data gaps investigation, were conducted at the site in April 2003. Additional investigations were conducted between September and November 2003. Soil and groundwater samples were collected. Soil samples contained concentrations of dioxins and metals. An additional groundwater investigation was conducted in the summer 2005. Groundwater samples contained concentrations of copper, lead, mercury, nickel, silver, and zinc. The site was designated as a CERCLA site on April 6, 2004. The RI Report was finalized on April 30, 2010. An Explanation of Significant Differences (ESD) is being prepared to complete the remedial action for Site 33 under the Site 31 ROD.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	CERCLA
Acreage	4.89
Source of Concern	Debris disposal area
Contaminants of Concern	Arsenic and lead
Interim Actions	None
Current Status	<ul style="list-style-type: none"> • RI report was finalized April 30, 2010. • ESD is being prepared.
USTs/ASTs	None
Estimated Site Closeout	January 2012

PETROLEUM PROGRAM

SITE 4/19 – HYDRAULIC TRAINING SCHOOL/REFUSE TRANSFER AREA

Site 4 is located approximately 200 feet north of 5th Street, between Avenues M and N. Sites 4 and 19 are generally referred to as Site 4/19. Site 4 is known as the Hydraulic Training School and includes a paved, fenced area that formerly contained about fifteen 55-gallon drums of waste oil (mainly transmission oil). Waste oil released from drums stored at the site is the primary potential contaminant. Waste oil leaks or spills stained the underlying concrete pavement and an adjacent earthen area. Several hundred square feet of surface area has been affected. The site also includes an eastern lot, referred to as the investigation-derived waste storage area.

Site 19, located just south of Site 4, is known as the Refuse Transfer Area. The site was used to hold and transfer refuse beginning in 1953; it is unknown when operations ceased. Little information exists regarding disposal practices before 1970. Previous environmental assessments have found small isolated areas of oil, grease and petroleum hydrocarbons in surface soils.

The closure report requesting NFA was submitted on December 15, 2003, and Regional Water Board concurrence was received. Additional investigation of PAHs in soils was conducted under the EBS data gaps investigation in 2004.

Transfer Category	Portion of 2010 FOST Parcel 5
Regulatory Classification	Petroleum Program
Acreage	1.72
Source of Concern	Storage area; spill area; maintenance yard; transfer facility
Contaminants of Concern	Petroleum, oil, lubricants
Interim Actions	None
Current Status	NFA concurrence received from Regional Water Board on December 17, 2003.
USTs/ASTs	None
Site Closeout	Closed

SITE 6 – FIRE TRAINING SCHOOL

Site 6, the former Department of the Navy (Navy) firefighting training school, was used for nearly 50 years (1944 to 1992) for various firefighting training activities. The training school formerly included 23 buildings, 6 USTs, and a central training yard, which consisted of burn areas lined with asphalt and concrete. Fires fueled with diesel and gasoline, magnesium, and wood were set in various mockups in the training yard and were extinguished with a mixture of water, biodegradable soap, and industrial talc. Approximately 19,000 gallons of gasoline and 32,000 gallons of diesel fuels were used each year for the firefighting training. Wastewater and unburned gasoline and diesel were collected in a concrete collector trench (installed in about 1949) situated around the perimeter of the training school yard. Wastewater and unburned gasoline and diesel that collected in the trench passed through on-site oil-water separators (OWS). No historical information has been discovered that discusses disposal of wastes before the perimeter concrete collector trench and the on-site OWSs were constructed. Wastewater generated and treated at the site was discharged to the NAVSTA TI wastewater treatment plant (WWTP), constructed in 1968, and waste diesel and gasoline fuels were disposed of at an off-base location. Before 1973, the wastewater that flowed to the concrete collector trench was discharged to San Francisco Bay (Bay) without treatment. Approximately 14,000 gallons of petroleum residue was generated per year at the training school.

All buildings have been removed from the site. Four 1,500-gallon USTs (240A, 240B, 248A, and 248B) that contained gasoline and diesel for firefighting training were present within the northern and eastern portions of the training yard. USTs 240A and 240B were removed in 1992, and USTs 248A and 248B were removed in 1995. Two 1,000-gallon USTs (248C and 248D) that were previously used to store waste fuel were removed in 2002. One known AST (248), located near UST 248D, was removed prior to 1995. UST M, a previously suspected UST for coolant, was reported in Shaw Environmental, Inc.'s (Shaw) "Final Facilitywide Underground Storage Tank Summary Report Update," dated August 25, 2004, as never having been installed, based on document reviews and discussions with Navy personnel. Petroleum remedial activities were conducted at Site 6 between May and December 2002. Remedial activities included excavation of USTs and excavation of petroleum-contaminated soils near the USTs, pipelines, and OWS components throughout the site. Remediation also included evaluation and excavation of free product near USTs 240A and 240B. In October 2002, during petroleum remedial excavation activities at the UST 248 area, burn surfaces were identified in the vicinity of the former Building 464 foundation. Results from shallow soil samples collected in this area included dioxins and furans above the soil screening levels. The excavation was subsequently expanded to include removal of burn debris and soot-discolored areas. Results from confirmation samples included dioxins and furans above the screening levels, causing Site 6 to be transferred to the CERCLA program on September 18, 2003.

Further investigation and delineation of dioxins and furans detected in soil was conducted under the CERCLA Program as part of the environmental baseline survey (EBS) data gaps investigation in 2003. Based on investigation results, the Base Realignment and Closure (BRAC) Cleanup Team (BCT) agreed to a boundary revision for the CERCLA site at the June 7, 2005 BCT meeting. The boundary revision included a portion of Parcel T112 to the east and north of the WWTP area where dioxins were detected in shallow soil samples. On January 24, 2007, a second boundary revision was submitted separating Site 6 (CERCLA Program) and Site 6A (Petroleum Program). DTSC did not concur with the request to modify the boundary. To complete the RI, the Navy conducted a data gaps investigation in 2010 to further evaluate the nature and extent of chemicals in soil, soil gas, and groundwater. The RI Report will

incorporate comments received on the 2007 proposed boundary revision request and the 2010 data gap investigation results.

Other recent investigations include a soil gas sampling program completed in October 2004 to evaluate volatile organic compounds (VOC) in soil gas near former USTs 240A and 240B. Groundwater at Site 6 continues to be monitored semi-annually under the Basewide Petroleum Sites Groundwater Monitoring Program.

During 2008, Site 6 was utilized as a temporary excavated soil staging and loading area, including the radiological control area (RCA) for the Site 12 non-time critical removal action (NTCRA). Prior to use for staging and loading activities, a baseline radiological survey was conducted. While staging and loading activities were ongoing, engineering controls were developed, air monitoring equipment was installed, and a surveillance program for health and safety was in place. In addition to engineering controls, best management practices, such as keeping soil stockpiles covered to prevent releases, were used. The soil staging and loading area activities included temporary stockpiling and loading of soil into bins at which point they were characterized and shipped off-site to a licensed disposal facility. The waste shipped off-site includes both chemical and low level radiologically impacted soil (radium-226). Soils are no longer stockpiled at Site 6. Low level radiological waste that has been characterized and placed in sealed bins is stored in the RCA while awaiting off-site disposal. Once the Site 12 NTCRA has been completed, a Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) final status survey will be conducted at Site 6.

To address the concerns expressed by the California Environmental Protection Agency (Cal/EPA) San Francisco Bay Regional Water Quality Control Board (Regional Water Board), the Navy is planning to conduct additional investigations in the vicinity of the formerly removed USTs (240 series) after the data results from the CERCLA data gaps investigation have been evaluated.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	--
Regulatory Classification	Petroleum; CERCLA
Acreage	3.45
Sources of Concern	USTs; firefighting training area; OWSs
Contaminants of Concern	Petroleum
Interim Actions	<ul style="list-style-type: none"> ▪ USTs removed in 1992, 1995, and 2002. ▪ Floating product removal action completed in 2002.
Current Status	<ul style="list-style-type: none"> ▪ Groundwater monitoring continues. ▪ Additional investigation of removed USTs (240 series) is being planned.
USTs/ASTs	<ul style="list-style-type: none"> ▪ AST 240, 248 and USTs 240A, 240B, 248A, 248B, 248C, and 248D; all are removed and awaiting NFA concurrence. ▪ Previously suspected UST M received concurrence on NFA December 2, 2003.
Estimated Site Closeout	August 2012

SITE 14/22 – NEW FUEL FARM/NAVY EXCHANGE SERVICE STATION

Site 14/22 is located along the shoreline in the northeastern portion of TI. It served as a fuel storage area and gas station for more than 50 years. Fuel storage and dispensing activities at Site 14/22 resulted in releases of diesel, waste oil, and gasoline into the environment. Based on available information about the site history and operations, the suspected sources of gasoline, diesel, and petroleum contamination at Site 14/22 include the tanks and associated piping, a gasoline pumphouse (Building 85), and the service station (Building 330). A full-scale treatment system including air sparging and soil vapor extraction, installed in the area of the former USTs, has been dismantled. The system operated for 3 years and was effective in removing TPH. A soil cleanup action, including large-scale soil excavation, was completed at Site 14/22 in 2004.

Transfer Category	2010 FOST Parcel 6 (FOST 3)
Regulatory Classification	Petroleum; UST
Acreage	2.18
Source of Concern	ASTs and USTs; petroleum/pipelines, vehicle maintenance
Contaminants of Concern	Petroleum, oil, lubricants, VOCs
Interim Actions	UST/AST removals completed; 1997 pipeline removal action completed; in situ groundwater treatment system completed; large-scale shallow soil excavation completed in 2004.
Current Status	NFA concurrence received from Regional Water Board on July 18, 2005.
USTs/ASTs	USTs 85, 330A through 330F: removed. ASTs 4, 5, 456: removed. ASTs 6A through 6G: abandoned in place. AST 672 active. USTs 330C and 330D received closure July 22, 1996. USTs 85, 330A, 330B, 330E, and 330F received NFA concurrence July 18, 2005, and are awaiting a closure letter.
Site Closeout	Closed

SITE 15 – OLD FUEL FARM

Site 15 is located on the southeastern shore of TI at the intersection of Avenues M, N, and California Avenue. The site was the original fuel storage and distribution facility for NAVSTA TI, which consisted of two large-capacity ASTs (4M and 5M), four smaller-capacity ASTs (collectively identified as AST 6M), a gasoline pump house (Building 84), a diesel pump house (Building 86), and a diesel oil clarifier (Building 85). In 1943, ASTs 4M, 5M, and 6M were relocated to the New Fuel Farm (Site 14). In 1945, Building 85 was moved to the New Fuel Farm, and Building 86 was demolished; Building 84 was demolished in 1961. Two smaller former diesel ASTs (ASTs 34A and 34B) were located near Building 34. Former fuel AST 34A was located on concrete mounts east of Building 34, and former fuel AST 34B was apparently located on a concrete pad next to an emergency generator southeast of Building 34. Investigations at Building 34 in 1985 revealed soil suspected of containing oil or petroleum hydrocarbons. No impact to groundwater has been identified in the area of Building 34.

Fuel lines, where found, were removed during remedial activities in 1997 and 1998. Preliminary remediation wells were installed in 2001 to assess TPH contamination in the eastern subarea, along fuel line D1 and approximately 400 feet west and downgradient of Building 34 within Site 15. The remediation wells were not effective at recovering free product because of the nature of TPH contamination at Site 15. The Navy excavated several areas of PAH-contaminated shallow soil in 2002, and continued monitoring groundwater at the site from 2001 until 2004. The site received concurrence from the Regional Water Board that NFA was required in September 2004.

Transfer Category	2006 TI FOST (FOST 1), 2010 FOST Parcel 2 (FOST 3), Portion on Job Corps Property
Regulatory Classification	Petroleum
Acreage	4.87
Source of Concern	ASTs; petroleum/pipelines
Contaminants of Concern	Petroleum, oil, lubricants
Interim Actions	Tank removals completed and excavation of petroleum contamination completed.
Current Status	NFA concurrence received from Regional Water Board in September 2004.
USTs/ASTs	ASTs 4M, 5M, 6M, 34A, 34B; removed
Site Closeout	Closed

SITE 16 – CLIPPER COVE TANK FARM

Site 16, the Clipper Cove Tank Farm, is located on the eastern side of the isthmus that joins YBI and TI, adjacent to the causeway. Ten 17,000-gallon ASTs, reported to have stored aviation gasoline and automotive diesel fuel at Site 16, were in use from at least 1943 until they were dismantled in the 1960s. Sludge was removed from the ASTs during their dismantling, with unknown quantities of sludge reportedly deposited on bare ground east of the former AST locations. No documentation has been found of removal and disposal of the sludge during the 1960s. Based on the investigation at the site, it appears that at least some portion of the sludge was left on the surface to degrade and leach into the underlying soils. In 2001, contaminated surface soil was excavated by the Navy and disposed of off-site. The area has a picnic table and is currently unpaved and covered with shrubs and trees.

Transfer Category	2006 YBI FOST (FOST 2)
Regulatory Classification	Petroleum
Acreage	1.22
Source of Concern	ASTs
Contaminants of Concern	Petroleum, oil, lubricants
Interim Actions	Tank removal action completed; soil excavation completed.
Current Status	NFA concurrence received from Regional Water Board in June 17, 2004.
USTs/ASTs	10 ASTs; removed
Site Closeout	Closed

SITE 20 – AUTO HOBBY SHOP/TRANSPORTATION CENTER

Site 20, the Auto Hobby Shop and Transportation Center, is located on the northwestern side of TI. Site 20 is fully encircled by Site 12. The area was used as the NAVSTA TI transportation center from 1943 to 1950. The transportation center included the transportation building (Building 194), garage and repair shop (Building 284), and storage or barracks (Building 225 and 267). In approximately 1961, Building 225 was converted to an Auto Hobby Shop. Also in 1961, the garage portion of Building 224 was demolished, and the filling station became Building 370 (east of Building 225) until it was demolished in 1976. Four known USTs (225A through 225D) were located at Site 20, east of Building 225 at the site of the former service station; all four were removed in 1988. Approximately 2,200 cubic yards of soil surrounding the former USTs was excavated in 1990 and was aerated adjacent to the excavation. The Navy later disposed of the aerated soils at an off-site, permitted landfill. Soil was removed in the vicinity of the former USTs and in two areas of surface contamination in 2001. The Navy received concurrence on NFA for USTs at Site 20 on May 5, 2004, and received an overall site closure on June 17, 2004.

Transfer Category	--
Regulatory Classification	Petroleum; UST
Acreage	1.63
Source of Concern	Maintenance yard; USTs
Contaminants of Concern	Petroleum, oils, lubricants, VOCs
Interim Actions	UST corrective action completed; soil excavation completed.
Current Status	NFA concurrence letter received for USTs 225A through 225D; overall site closure letter received in June 17, 2004.
USTs/ASTs	USTs 225A through 225D; removed
Site Closeout	Closed

SITE 25 – SEAPLANE MAINTENANCE AREA

Site 25 was previously used for vehicle and seaplane maintenance activities. Based on available information about the history and operations at the site, the suspected sources of gasoline, diesel, and petroleum contamination at Site 25 are (1) the suspected USTs, (2) the former fuel pump house (Building 143), (3) the former airplane and vehicle maintenance, (4) the causeway pipeline (between Sites 16 and 25), and (5) the former auxiliary boiler (Building 520) and associated AST. The seaplane maintenance area consists of a total of 11 buildings that were used for or associated with storing and maintaining seaplanes. Pipelines between Sites 16 and 25 have been removed. An in situ groundwater treatment system, including soil vapor extraction and air sparging, operated at the site until April 28, 2005.

The Navy submitted the “Final Site 25 Closure Report and Request for No Further Action” on December 7, 2005. Following correspondence with the Regional Water Board, a final letter from the Regional Water Board dated August 29, 2006, did not concur with closure and NFA request for the site. Additional groundwater monitoring was conducted at the site. Soil samples were collected to confirm post-treatment concentrations of TPH in early 2009. Results of the soil samples were presented in the Final Addendum to the Closure Report Site 25, submitted January 29, 2010, requesting NFA concurrence and closure of the suspected USTs 2B and 143A through 143I. At the request of the Water Board, the Navy is conducting a soil gas investigation at Site 25.



Aerial photographs taken by Air Flight Service on May 15, 2009.

Transfer Category	2006 TI and YBI FOSTs (FOSTs 1 and 2), Portion on 2010 FOST Parcel 1 (FOST 3)
Regulatory Classification	Petroleum; UST
Acreage	3.26
Source of Concern	USTs, petroleum pipelines
Contaminants of Concern	Petroleum, oil, lubricants
Interim Actions	Groundwater monitoring
Current Status	<ul style="list-style-type: none"> • Final closure report Site 25 and suspected USTs 2B and 143A-I request for NFA concurrence submitted December 7, 2005. • Regional Water Board did not concur with NFA request in correspondence dated May 15, 2006, and August 29, 2006. • Post-treatment confirmation soil sampling was conducted in 2009. • Final Addendum to the Closure Report Site 25 requesting NFA concurrence and UST Closure submitted January 29, 2010. • Soil gas investigation is ongoing.
USTs/ASTs	USTs 2B, 145, 143A-I; suspected
Estimated Site Closeout	April 2011

UST SITES (SITE 26)

USTs have been used at NAVSTA TI to store fuels and oils for package heaters or boilers at individual buildings, backup power generators, gas stations, firefighter training activities, and aviation. The tanks were filled either through underground pipeline or by tanker truck. In addition, a number of USTs were used to store waste oil. Most of the USTs were installed in the 1940s. The USTs were removed from service over time as the specific uses of the building changed; many of the USTs were out of service by the 1980s.

The Navy began investigating known and suspected USTs in the early 1980s because of California's UST operating regulations. In addition to tanks mentioned previously, numerous tanks were outside of site boundaries and were reported as individual closure efforts. The Navy submitted the facilitywide UST summary report (October 2003), which assigns each tank identified to one of three categories:

- **Known underground storage tanks:** USTs that are known to have existed.
- **Suspected underground storage tanks:** USTs that are suspected to have existed but that were removed previously or that may have been abandoned.
- **Previously suspected underground storage tanks:** USTs that were once thought to have existed but that are now suspected to have never existed based on further investigation.

Regulatory concurrence on closure or NFA has been achieved for 79 known, suspected, or previously suspected USTs at NAVSTA TI. USTs with known releases to the environment are closed pursuant to Title 23 of the *California Code of Regulations*. If the UST was used to store heating oil and had a capacity of less than 1,100 gallons, or if no release has occurred, the Navy requests NFA and submits a letter to the Regional Water Board for concurrence. For sites that have received NFA concurrence, the Navy has demonstrated to the Regional Water Board that NFA is required. For sites that have received regulatory closure, the Navy has completed all site investigations and remedial actions related to the UST site.

All USTs on Navy property have been removed from service; the only active USTs on TI and YBI are operated by the USCG at its facility on YBI. The current status of all known and suspected USTs on TI and YBI are summarized below as well as shown on [Figures 6 and 7](#), respectively.

Previously Suspected Tanks with No Further Action Concurrence

Regulatory concurrence for NFA was received December 2, 2003, for 16 previously suspected tanks located at NAVSTA TI.

Letter Date	TI UST	YBI UST
December 2, 2003	3A, 3B, 7, 145, 180F, 180G, 267, 368C, 450, 452, 453, 461, FF8, and M	213, 262

Known or Suspected Tanks with Regulatory Closure or No Further Action Concurrence

The Regional Water Board issued concurrence for NFA on 14 tanks on TI and 19 tanks on YBI. Regulatory closure has been received for 25 tanks on TI and 5 tanks on YBI.

USTs with NFA Concurrence		
Letter Date	TI UST	YBI UST
July 23, 2002	--	1 through 7, 9, 10, 62, and 240
September 5, 2003	234	57
February 12 ⁶ , 2004	15, 26, 29	--
June 17, 2004	140	204A, 204B, 204C, 204D, 221, 230, 237
September 21, 2004	227	--
May 9, 2005	14A, 14B	--
July 18, 2005	85, 330A, 330B, 330E, 330F	--
October 11, 2005	180C	--

Closed USTs		
Letter Date	TI UST	YBI UST
July 22, 1996	1B, 1C, 1D, 1F, 2A, 2D, 180A, 180B, 330C, 330D	111, 169
October 3, 1997	180D, 180E, 230, 257	8 [QTR8, QTR08]
July 7, 2000	1G [469]	--
February 25, 2002	1A, 1E, 2C, 368A	--
October 23, 2002	--	66
December 17, 2003	368B	--
February 10, 2004	201	270
May 5, 2004	225A, 225B, 225C, 225D	--

⁶ This date is approximate; the date on the letter is illegible.

Tanks Requiring Regulatory Closure or NFA Concurrence

Sixteen USTs on TI and one UST on YBI still require regulatory closure.

The Final Closure Report for Site 6, submitted December 16, 2005, requested tank closure for six USTs: 240A, 240B, and 248A through 248D. The Final Closure Report for Site 25, submitted on December 7, 2005, and the Revised Draft Closure Report for Site 25 submitted August 6, 2009, both requested NFA for the suspected tanks 143A through 143I and 2B. The tank on YBI, UST 238, requires additional investigation.

Tanks Requiring Additional Investigation Prior to Closure or NFA Concurrence

Further investigation of Site UST 238 on YBI is on hold until Caltrans completes work in the area.

Tanks Proposed for Closure

Work has been completed at sixteen USTs on TI, including: 240A 240B and 248A through 248D (Site 6); and 143A through 143I and 2B (Site 25). These tanks were proposed for closure in their respective Site Closure Reports and are undergoing additional investigation or awaiting concurrence.

Transfer Category	2006 TI and YBI FOSTs (FOSTs 1 and 2), 2010 FOST various parcels (FOST 3)
Regulatory Classification	Petroleum
Acreage	Not applicable
Source of Concern	USTs/ASTs
Contaminants of Concern	Petroleum
Interim Actions	None
Current Status	The following tanks have been proposed for closure: <ul style="list-style-type: none">• Site 6 (240A-B, 248A-D)• Site 25 (143A-I and 2B)
USTs/ASTs	Not Applicable
Estimated Site Closeout	Various.

INACTIVE FUEL PIPELINE SITES

Fuel pipelines once traversed NAVSTA TI. Six main fuel lines were installed on TI as early as the 1940s and transported gasoline, diesel, bunker C fuel, and other petroleum products. [Figure 7](#) shows the fuel pipeline sites. Reports indicate that some fuel lines were inactive as early as 1945. The remaining fuel lines were reportedly removed from service in 1989. Three major fuel lines were installed in 1944 to carry fuel oil from storage tanks to steam boilers on YBI and have been inactive since 1980. A majority of the pipeline system has been removed or abandoned in place. Portions of the pipeline system where additional corrective actions are expected include the YF3 and USCG sites. Investigations for outstanding environmental issues at Inactive Fuel Line YF3, identified under the Petroleum Program, are currently being planned.

Closed Fuel Lines

The fuel lines listed below on TI and YBI have received regulatory closure.

Transfer Category	2006 TI and YBI FOSTs (FOSTs 1 and 2), 2010 FOST various parcels (FOST 3)
Regulatory Classification	Petroleum
Acreage	Not applicable
Source of Concern	Pipeline
Contaminants of Concern	Petroleum
Interim Actions	Pipeline removal action completed; floating product removal completed.
Current Status	<p>Regional Water Board letter received March 11, 2003, concurs with NFA at Causeway Pipeline.</p> <p>Regional Water Board letter received July 9, 2003, concurs with NFA at Building 530 Pipeline.</p> <p>Regional Water Board letter received February 12, 2004, concurs with NFA at Pipeline Sites D1A, D1C, D2A, D2B, D4A, D4B, D5, and YF1 and USTs 26, 29, and 15.</p> <ul style="list-style-type: none"> • Requests additional investigation at Pipeline Site YF3 and USCG Site. • Regional Water Board agrees to postpone investigations at the YF3 and USCG sites until after Caltrans has completed construction in the area. • Additional investigations for YF3 are being planned. <p>Regional Water Board letter received June 17, 2004, concurs with NFA at YF2.</p> <p>Regional Water Board letter received May 9, 2005, concurs with NFA at F2A.</p> <p>Regional Water Board letter received July 20, 2005, concurs with NFA for shallow soil at D1B.</p> <p>Regional Water Board letter received August 22, 2005, concurs with NFA at F2A/F2B.</p> <p>Regional Water Board letter dated May 15, 2006, concurs with NFA at D1B.</p>
USTs/ASTs	USTs associated with the pipelines, removed
Estimated Site Closeout	May 2006; with the exception of USCG and YF3 sites

COMPLIANCE AND BASEWIDE PROGRAMS

Polychlorinated Biphenyls Program

Residential Lead-Based Paint Program

Radiological Program

Asbestos-Containing Material Program

Groundwater Monitoring Program

Regulatory Interaction Support

Community Relations Program

Transfer Related

POLYCHLORINATED BIPHENYLS PROGRAM

PCB contamination has been investigated and remediated at NAVSTA TI under CERCLA and TSCA regulations and guidelines. PCBs exist at various locations and concentrations at NAVSTA TI. A remedial program was initiated at NAVSTA TI for electrical equipment, such as high-voltage primary transformers that contained dielectric fluid that may contain PCBs. Transformers were inventoried under the program, and several transformers identified as containing PCBs were removed between 1995 and 1996. A 1995 EBS documented spills and stains potentially related to PCBs. The Navy conducted an additional evaluation by reviewing aerial photographs and historical information on building usage.

The Navy performed investigations of all known former PCB-containing equipment within the proposed FOST-area in May 2004 to confirm that property is suitable for transfer. The Navy also sampled all non-FOST footprint equipment locations that exhibited suspicious staining, and sampled the remaining (unstained) equipment locations in non-FOST areas in summer 2006. A summary report of FOST and non-FOST PCB sample results was published in February 2008. PCB abatement was performed at some sampled equipment locations in spring 2008 and a final summary report of activities was submitted March 9, 2009. A removal action was completed at Site 32 under the TSCA PCB remediation program in early 2010.

PCBs have been investigated under CERCLA at the following IR sites: Site 3 (PCB Equipment Storage Area); Site 7 (Pesticide Storage Area); Site 9 (Foundry); Site 10 (Bus Painting Shop); Site 11 (YBI Landfill); Site 12 (Old Bunker Area); Site 21 (Vessel Waste Oil Recovery Area); Site 24 (Dry Cleaning Facility); Site 31 (Former South Storage Yard); and Site 32 (Former Training and Storage Area).

Transfer Category	2006 TI and YBI FOSTs (FOSTs 1 and 2), 2010 FOST various parcels (FOST 3)
Regulatory Classification	TSCA and CERCLA
Source of Concern	Transformers and fluid-filled electrical equipment and past disposal activities
Contaminants of Concern	PCBs
Interim Actions	None
Current Status	<ul style="list-style-type: none">• PCB summary report was submitted in February 2008.• PCB Field Activity Report received regulatory concurrence April 17, 2009.• Site 32 removal action completed, Post Construction Summary Report is being prepared.
USTs/ASTs	Not applicable
Estimated Site Closeout	Various

RESIDENTIAL LEAD-BASED PAINT PROGRAM

The Residential Lead-Based Paint Hazard Reduction Act of 1992, Title X of the Housing and Community Development Act (Public Law No. 102-550), applies at NAVSTA TI. As part of Title X, Congress amended the 1971 Lead-Based Paint Poisoning Prevention Act (42 *United States Code* [USC] Sections 4801-4846) and added a new Title IV to TSCA. Under this law, certain federally owned housing constructed before 1960 must be inspected for LBP, and LBP hazards must be abated. In addition, federally owned housing constructed after 1960 and before 1978 must be inspected for LBP hazards and the results disclosed to prospective property recipients (42 USC Section 4822).

LBP may be present on the interior and exterior surfaces of nonresidential buildings at NAVSTA TI because many were constructed before 1978. Public Works Center Norfolk began inspecting the family housing at NAVSTA TI for LBP in 1995. In October 1999, Engineering Field Activity West documented a completed LBP assessment and a “mini” risk assessment of facilities on NAVSTA TI. Facilities were selected under the implementing regulations for Title X of the Housing and Community Development Act. Pursuant to Title X, not all facilities require an inspection for LBP.

To date, LBP at all pre-1978 residential housing on TI and YBI has been assessed. LBP at all pre-1960 YBI residential housing has been abated, and hazard reduction measures were put in place to protect the residents. Friction surfaces, such as window sashes, were stripped to the original wood surface and repainted. All other interior and exterior surfaces containing LBP were covered with a 20-year encapsulating paint. To ensure all hazard reduction measures remain protective, a re-evaluation survey is conducted every 2 years per the recommended U.S. Department of Housing and Urban Development (HUD) schedule. LBP in residential housing on YBI was re-evaluated between April and May 2004 and again between May and July 2006. As required by the HUD guidelines, the survey included (1) a 100 percent visual survey, (2) two composite dust samples for 100 percent of all pre-1960 housing, and (3) two composite dust samples from a representative sample of the post-1960 housing. Another LBP re-evaluation of the residential housing on YBI and TI began in late 2008 and the report will be finalized in 2010. Residential housing on both TI and YBI must be re-evaluated again in 2011 or within 1 year of transfer, whichever occurs first. LBP maintenance was conducted during the winter of 2006 at Quarters 2 through 7, 240, 83, and 61.

Soil samples were also collected to evaluate the status of drip line and mid-yard areas at representative TI and YBI residential buildings. Based on the analytical results, soil abatement of the planter boxes and drip line areas was conducted in accordance with Title X, HUD, and Navy Policy at Quarters 1 through 7, 10, and Buildings 62, 83, 205, and 230 on YBI. HUD guidelines state only bare soils may pose a hazard, and soils covered by grass, concrete, or asphalt are protective. Any future disturbance of the grass, concrete, or asphalt at these buildings will require further soil evaluation for lead. The Navy will either abate or require the transferee to abate any LBP hazards found in existing residential facilities within 1 year of being transferred. If an existing residential facility is scheduled for demolition or nonresidential use, it will not be inspected or abated of LBP.

Transfer Category	2006 TI and YBI FOSTs (FOSTs 1 and 2), 2010 FOST various parcels (FOST 3)
Regulatory Classification	Title X Housing and Community Development Act; Title IV TSCA
Source of Concern	House paint/LBP
Contaminants of Concern	Lead
Interim Actions	<ul style="list-style-type: none"> • LBP risk assessment on TI and YBI residential housing buildings completed. • Interior, exterior, and soil abatement on pre-1960 YBI residential housing buildings completed. • LBP maintenance conducted during winter of 2006 at Quarters 2-7, 240, 83, and 61.
Current Status	<ul style="list-style-type: none"> • Re-evaluation completed in 2009, report is being prepared. • Re-evaluation planned for 2011. • Re-evaluation will also occur within 1 year of transfer.
USTs/ASTs	Not applicable
Estimated Site Closeout	Within 1 year of transfer

RADIOLOGICAL PROGRAM

Site 2 (Parcel T102), the Radiation Training Area, was located near the intersection of 12th Street and Avenue A on the northeastern side of TI. This area contained a ship mockup that was used for radiation training. Operations in this area began in the early 1950s and ceased in 1969 when the school moved to its current location in Building 371 (Parcel T111). Radiation sources were identified as potential contaminants from the radioactive water generated during training activity. The 1988 PA/SI recommended this site not be carried forward in an RI. The site is considered closed under the CERCLA program.

The Navy conducted a basewide Historical Radiological Assessment (HRA) to document use of radioactive materials and to present a comprehensive history of radiological operations conducted by the Navy at NAVSTA TI. In the first phase of the HRA, the Navy reviewed documents and conducted interviews to identify all historic radiological sites on NAVSTA TI and to determine if there is a need to conduct a Phase 2 survey. Results of the first phase of the HRA are reported in the *Final Naval Station Treasure Island Historical Radiological Assessment* dated February 10, 2006. Five sites were identified for further evaluation: Building 233, Building 233 drain lines, Site 12 SWDAs, and Buildings 343 and 344.

Building 233 (Parcel T66), the Radiation Detection, Indication, and Computation Instrument Calibration School, is located on Avenue M between 3rd and 4th Streets on the eastern side of TI. In 1950, a spill of radium sulfate was reported in one of the laboratories located in Building 233. Students unknowingly tracked the radiological material throughout the building before the spill was discovered. The U.S. Naval Radiological Defense Laboratory decontaminated and cleaned up the building. Although the floor was decontaminated, the Navy must verify that the 1950 cleanup meets current standards. The Navy worked with DTSC and Department of Public Health to complete a survey of Building 233 by May 2006. A radiological assessment of Building 233 was conducted and a final survey report was issued in January 2007. A work plan for the demolition of the building is being prepared. Following demolition, the Navy will develop a work plan for the Final Status Survey of the building footprint and surrounding parking lot in accordance with MARSSIM (Revision 1 August 2000, with the June 2001 updates).

A NTCRA began in May 2007 at three Site 12 SWDAs along the shoreline. The Navy is currently excavating and screening soils for chemical and radiological contaminants. During the NTCRA, low level radiological items, containing radium-226, have been found within the SWDAs. All items located have been removed and disposed of properly. Soil that may have been impacted by these items was screened prior to shipment off-site by an appropriate disposal contractor. Confirmation samples are being collected in the SWDA areas once excavations are completed. Final status surveys of the SWDAs will be performed in accordance with MARSSIM (Revision 1 August 2000, with the June 2001 updates). The Navy estimates that the work will be completed in 2010. A detailed schedule of the radiological investigation is included in the CERCLA Site 12 schedule (see [Appendix B](#)).

A radiological status survey for Buildings 343 and 344 and Building 233 drain lines was conducted in September 2007. In 2008, Final Status Survey Reports were prepared for Buildings 343 and 344. The Buildings 343 and 344 and the Building 233 Drain Lines Scoping Survey Reports were

finalized in the fall 2008. DTSC and California Department of Public Health provided free release for Buildings 343 and 344 in 2008.

Building 233 is being demolished and a MARSSIM FSS plan is being prepared.

Transfer Category	--
Regulatory Classification	MARSSIM
Source of Concern	Radium sulfate spill and historical radiological operations
Contaminants of Concern	Radium-226, radiological materials
Interim Actions	1950 cleanup at Building 233
Current Status	<ul style="list-style-type: none"> • The NTCRA of Site 12 SWDAs is underway (with MARSSIM survey). • Building 233 is being demolished. • Building 233 FSS Work Plan is being prepared.
USTs/ASTs	Not applicable
Estimated Site Closeout	October 2014 for Site 12; January 2012 for Building 233

ASBESTOS-CONTAINING MATERIAL PROGRAM

Beginning in 1995, several surveys to identify the presence of asbestos-containing materials (ACM) have been completed at NAVSTA TI. The Navy conducted an asbestos survey of 108 major nonresidential buildings at NAVSTA TI and compiled the results in an asbestos survey report in 1995. In 1997, Radian, Inc. completed a more comprehensive asbestos survey for a total of 212 nonresidential buildings, including an inspection of the 108 buildings previously surveyed to estimate scope and costs for abating damaged, friable asbestos. In 1998, Supervisor of Shipbuilding, Conversion, and Repair, Portsmouth, Virginia, Environmental Detachment, Vallejo (SSPORTS) performed an asbestos survey of underground steam utility lines and miscellaneous facilities. Results of the survey of underground steam utility lines indicated that ACM-wrapped pipes exist only within a portion of the property, as discussed further in the FOST. Remedies for ACM were implemented.

Friable, accessible ACM identified during surveys was remediated beginning with 38 buildings in 1998 by Allied Technology Group, Inc. (ATG). ATG remediated an additional 20 buildings in 1998. In 1999, SSSPORTS remediated friable ACM found in residences at both YBI and TI. In 2002, Mendalian Construction, Inc. covered the crawlspaces to prevent access, posted ACM signs to seven barracks on TI, and abated and removed ACM from six quarters on YBI. All known damaged, friable, or accessible ACM has been abated within the TI and YBI FOST areas, and remaining ACM does not pose a threat to human health.

Notices and restrictions related to asbestos were identified in the FOST for both TI and YBI dated February 15, 2006, and March 23, 2006, respectively. A re-evaluation of ACM began in 2008 and reports will be finalized in 2010. A re-evaluation of ACM is planned in 2011 or within one year of transfer, whichever occurs first.

Transfer Category	2006 TI and YBI FOSTs (FOSTs 1 and 2), 2010 FOST various parcels (FOST 3)
Regulatory Classification	Clean Air Act
Source of Concern	ACM
Contaminants of Concern	Friable, accessible ACM
Interim Actions	1998 remediation of 38 buildings 1998 remediation of 20 buildings 1999 remediation of residences 2002 remediation of crawl spaces, barracks and six quarters on YBI
Current Status	<ul style="list-style-type: none">• 2008 ACM re-evaluation is underway.• Re-evaluation of ACM planned for 2011.• ACM to be reassessed within 1 year of transfer
USTs/ASTs	Not applicable
Estimated Site Closeout	Transfer

GROUNDWATER MONITORING PROGRAM

The purpose of the groundwater monitoring program is to evaluate sites with known or suspected impacts to groundwater using data collected from a network of monitoring wells as well as data from other environmental investigations. The principal objective at the identified groundwater sites was to determine whether receptors at the terminus of the groundwater pathway—aquatic life at the shoreline along NAVSTA TI—are being exposed to concentrations of contaminants that exceed applicable toxicity criteria for (1) protection of saltwater life, or (2) protection of humans who consume fish. Potential impacts to groundwater because of releases of hazardous substances and petroleum related chemicals from operations when NAVSTA TI was an active base are being studied under the facilitywide groundwater monitoring program.

It was reported in 2004, in support of environmental restoration activities, that 346 groundwater monitoring and remediation wells were being maintained at NAVSTA TI (181 monitoring wells and 165 remediation wells). In a limited number of cases, wells from inactive sites were used as downgradient, crossgradient, or upgradient wells to collect data for an active investigation area.

Currently, only groundwater at Sites 6 and 12 is monitored as the petroleum program sites have received NFA concurrence, or active remediation is ongoing at CERCLA sites. Contaminants that are defined as hazardous under CERCLA have been detected at elevated concentrations in samples collected at Sites 6 and 12. Information collected from groundwater monitoring will be used in the RI and FS studies and included, as appropriate, in the RI, FS, and closure reports for Sites 6 and 12. Groundwater monitoring results are reported annually and will be used in assessing risk in decision documents such as an RI report or petroleum closure reports.

Groundwater monitoring at Sites 21 and 24 occurs through the treatability study projects being conducted at the sites, and will continue for one year after the completion of the treatability studies. One year of groundwater monitoring will be conducted at Site 32 following the completion of the PCB removal action.

REGULATORY INTERACTION SUPPORT

The Navy provides support for regulatory interaction for the entire TI environmental program. Included in the regulatory interaction support are the following deliverables.

BCT Meetings and Minutes

As part of the regulatory interaction support, the Navy holds monthly meetings with the members of the BCT to discuss current topics, issues, decisions that pertain to the environmental restoration program for TI. To document decisions, actions, processes, and discussions, the BCT prepares meeting minutes for public viewing. The minutes are reviewed by all members and revised based on any comments received. Final minutes are stored in the information repositories. The minutes are an important tracking tool for the BCT.

Site Management Plan

The Navy prepares and delivers annual updates of this site management plan to identify site closure schedules and strategies and to aid in the management of the four operating units and 33 associated IR sites. The IR sites are at various stages in the environmental restoration process. The current status and strategies at each site are discussed in this document, as well as discussions of the current basewide issues that must be addressed before the installation may be transferred for development. The schedules provided in [Appendix B](#) update the initial schedules produced in the 1992 Federal Facility Site Remediation Agreement (FFSRA), and supplement the IR sites not identified at the time of the FFSRA.

COMMUNITY RELATIONS PROGRAM

The Navy provides direction and support for community relations activities on site-specific and basewide levels. Included in the community relations support are the following deliverables.

Restoration Advisory Board Meetings and Minutes

The Navy hosts Restoration Advisory Board (RAB) meetings every other month as a means to communicate, share, and present current information on the environmental restoration program to the RAB and community members. Fact sheets, meeting minutes, telephone conferences and meetings are used to provide a method for the RAB to have input on the environmental restoration process at NAVSTA TI. Meeting transcripts and minutes are prepared for public viewing. The minutes are reviewed by all members of the RAB and revised based on any comments received. The final minutes are included in the information repositories and on the Navy's website.

Community Relations Plan

The community relations plan (CRP) identifies community interest in the investigation and cleanup of contaminated soil, sediments, and groundwater at NAVSTA TI, and outlines community relations activities to inform and involve the community. The original CRP for NAVSTA TI was issued in 1997, and a final CRP was issued in 2002 and updated in 2006. An update, including interviews of community members, was finalized in the summer 2008.

The purpose of the CRP is to identify the NAVSTA TI community, describe community outreach activities conducted in support of the IR Program, identify community interest in and concern about environmental activities at NAVSTA TI, facilitate two-way communication with the surrounding community and other interested parties, and meet all public involvement regulatory requirements for the environmental cleanup program at NAVSTA TI.

Newsletters

Two newsletters, for Fall and Winter, are prepared for each year and distributed to the TI community mailing list, which consists of up to 1200 addresses. Additional copies are made available to the Information Repositories and at the RAB meetings. The TI community mailing list is updated twice-yearly.

Fact Sheets

Fact sheets are prepared on as needed basis dependent on commencement or completion of significant milestones such as an upcoming field investigation or an RI report. Fact sheets are distributed to the entire TI community mailing list.

The General Environmental Fact Sheet provides a brief summary and current status of all Navy environmental programs for NAVSTA TI. Updates to the General Environmental Fact Sheet occur twice-yearly.

Public Notices

Public Notices are prepared on an as-needed basis for announcement of significant milestones such as announcement of public review and comment periods for Proposed Plans, completion of significant documentation such as a finding of suitability to transfer. Public notices are typically published as an in-column ad in the San Francisco Chronicle newspaper.

Information Repository Support

On a bi-monthly basis, the Navy conducts inspections and updates to the TI Information Repositories located at Building 1 on TI and at the San Francisco Main Public Library. Monthly updates include organizing, indexing the documents, and providing updates of the index and document availability.

TRANSFER RELATED

A basewide environmental baseline survey (EBS) was conducted in 1994. In 2005, the Navy updated with a supplemental EBS (SEBS) based on progress made under the Navy's environmental programs and in preparation for two Finding of Suitability to Transfer (FOST) documents to summarize how the requirements and notifications for hazardous substances, petroleum products and derivatives, and other regulated material for parcels on TI and YBI. The TI FOST (FOST 1) for 4 parcels and YBI FOST (FOST 2) for one parcel were finalized in 2006.

Currently, the Navy is preparing a third FOST (FOST 3) for approximately 9 parcels on TI, the submerged parcel, and four parcels on YBI to support property transfer to the City before the end of the 2010 calendar year. Through the Base Realignment and Closure (BRAC) process, the Navy intends to transfer, by deed, these parcels to the City of San Francisco.

APPENDIX B
ENVIRONMENTAL SCHEDULE

SITE-SPECIFIC INDEX

TABLE B-1 SITE INVENTORY.....	B-ii
CERCLA PROGRAM	
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SITE 7	B-1
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TABLE B-1: SITE INVENTORY

Site Management Plan, Naval Station Treasure Island, San Francisco, California

Site	Program	Status
Site 1	CERCLA	Closed. Received agency concurrence on March 20, 2002.
Site 2	CERCLA	Closed. Site recommended for NFA in 1988 Final PA/SI.
Site 3	CERCLA	Closed. Received agency concurrence on March 20, 2002.
Site 4/19	Petroleum	Closed. NFA concurrence letter received from Regional Water Board dated December 17, 2003.
Site 5	Petroleum	Closed. Merged into Site 24 by letter dated January 17, 2001.
Site 6	CERCLA	Active. Transferred from Petroleum Program on September 18, 2003.
Site 7	CERCLA	Closed. Received agency concurrence on November 1, 2005.
Site 8	CERCLA	Active.
Site 9	CERCLA	Closed. No Action ROD signed October 2, 2007.
Site 10	CERCLA	Closed. No Action ROD signed October 2, 2007.
Site 11	CERCLA	Active.
Site 12	CERCLA	Active.
Site 13	CERCLA	Closed. No Action ROD signed April 7, 2005.
Site 14/22	Petroleum	Closed. NFA concurrence letter received from Regional Water Board dated July 18, 2005.
Site 15	Petroleum	Closed. NFA concurrence letter received from Regional Water Board dated September 2004.
Site 16	Petroleum	Closed. NFA concurrence letter received from Regional Water Board dated June 17, 2004.
Site 17	Petroleum	Closed. Merged into Site 24 by letter dated January 17, 2001.
Site 18	CERCLA	Closed. Site recommended for NFA in 1988 Final PA/SI.
Site 20	Petroleum	Closed. NFA concurrence letter received from Regional Water Board dated June 17, 2004.
Site 21	CERCLA	Active.
Site 23	CERCLA	Closed. Site recommended for NFA in 1988 Final PA/SI.
Site 24	CERCLA	Active.
Site 25	Petroleum	Active.
Site 26	Petroleum	Closed. See UST Sites.
Site 27	CERCLA	Active.
Site 28	CERCLA	Active.
Site 29	CERCLA	Active.
Site 30	CERCLA	Active.
Site 31	CERCLA	Active.
Site 32	CERCLA	Active.
Site 33	CERCLA	Active.
Site USCG	Petroleum	Active.
Pipeline Sites	Petroleum	With the exception of Pipeline Sites USCG and YF3, all pipeline sites have received concurrence letters and are closed.
UST Sites	Petroleum	With the exception of UST 238 on YBI, and the USTs associated with Sites 6 and 25, all USTs have received concurrence letters and are closed.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID		Task Name	Duration	Start	Finish	Pred
1		CERCLA PROGRAM	6425 days	Wed 3/20/02	Thu 7/16/20	
2	 	EBS DATA GAP INVESTIGATION COMPLETED	502 days	Wed 4/2/03	Tue 2/22/05	
22		SITE 1 - Closed	1 day	Wed 3/20/02	Wed 3/20/02	
23		SITE 3 - Closed	1 day	Wed 3/20/02	Wed 3/20/02	
24		SITE 7 - Closed	944 days	Fri 8/16/02	Tue 11/1/05	
28		SITE 13 - Closed	724 days	Tue 11/5/02	Sat 5/21/05	
61		SITES 9 AND 10 - Closed	1471 days	Sun 4/6/03	Thu 11/1/07	

All start and finish dates on Saturday
or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID		Task Name	Duration	Start	Finish	Pred
116		SITE 6 (CERCLA)	4426 days	Mon 5/12/03	Mon 1/4/16	
117	✓	NATURE AND EXTENT DELINEATION FOR SITE 6 CERCLA	562 days	Mon 5/12/03	Tue 6/7/05	
123	✓	REMEDIAL INVESTIGATION FOR SITE 6	923 days	Sun 10/31/04	Wed 6/20/07	
134		REVISED REMEDIAL INVESTIGATION REPORT FOR SITE 6	1505 days	Mon 2/2/09	Sun 3/17/13	
135	✓	Navy to award contract for Site 6 Data Gap Investigation and RI Report	58 edays	Mon 2/2/09	Wed 4/1/09	
136	✓	Scoping Meeting Site 6 Data Gap Investigation	1 day	Wed 6/3/09	Wed 6/3/09	
137	✓	Data Gap Investigation Work Plan	459 days	Mon 5/18/09	Fri 8/20/10	
147	✓	Conduct Data Gap Field Investigation	25 edays	Mon 8/23/10	Fri 9/17/10	
148	✓	Data Gap Investigation Lab Analysis and Validation	30 edays	Fri 9/17/10	Sun 10/17/10	147
149		RI/FS Report Preparation for Site 6	300 days	Sun 10/17/10	Sat 8/13/11	
150		Prepare HHRA for Internal Draft Site 6 RI/FS	61 edays	Sun 10/17/10	Fri 12/17/10	148
151		Prepare RI/FS Text Site 6 Internal Draft	60 edays	Fri 12/17/10	Tue 2/15/11	150
152		QCC Review Site 6 Internal Draft RI/FS	22 edays	Tue 2/15/11	Wed 3/9/11	151
153		Navy Review of Internal Draft RI/FS - Site 6	31 edays	Wed 3/9/11	Sat 4/9/11	152
154		Draft RI/FS - Site 6	14 edays	Sat 4/9/11	Sat 4/23/11	153
155		Agency Review of Draft RI/FS - Site 6	30 edays	Sat 4/23/11	Mon 5/23/11	154
156		Preliminary RTCs on Draft RI/FS - Site 6	28 edays	Mon 5/23/11	Mon 6/20/11	155
157		Meeting to Discuss Preliminary RTCs on Draft RI/FS - Site 6	0 edays	Mon 6/20/11	Mon 6/20/11	156
158		Internal Final RI/FS - Site 6	30 edays	Mon 6/20/11	Wed 7/20/11	157
159		Navy Review of Internal Final RI/FS - Site 6	10 edays	Wed 7/20/11	Sat 7/30/11	158
160		Final RI/FS - Site 6	14 edays	Sat 7/30/11	Sat 8/13/11	159
161		Site 6 Radiological Control Area (RCA) Final Status Survey Work Plan	276 days	Sun 5/1/11	Wed 2/1/12	
162		Navy Award Contract for Final Status Survey Work Plan for Site 6 RCA	60 edays	Sun 5/1/11	Thu 6/30/11	595FS-60 edays
163		Internal Draft Site 6 RCA Final Status Survey Work Plan	30 edays	Thu 6/30/11	Sat 7/30/11	162
164		Navy Review of Internal Draft Site 6 RCA Final Status Survey Work Plan	14 edays	Sat 7/30/11	Sat 8/13/11	163
165		Revise Internal Draft Site 6 RCA Final Status Survey Work Plan	14 edays	Sat 8/13/11	Sat 8/27/11	164
166		Navy RASO Review Internal Draft Site 6 RCA Final Status Survey Work Plan	60 edays	Sat 8/27/11	Wed 10/26/11	165
167		Draft Site 6 RCA Final Status Survey Work Plan	7 edays	Wed 10/26/11	Wed 11/2/11	166
168		Agency Review of Site 6 RCA Final Status Survey Work Plan	30 edays	Wed 11/2/11	Fri 12/2/11	167
169		Internal Final Site 6 RCA Final Status Survey Work Plan	33 edays	Fri 12/2/11	Wed 1/4/12	168
170		Navy Review of Internal Final Site 6 RCA Final Status Survey Work Plan	14 edays	Wed 1/4/12	Wed 1/18/12	169
171		Final Site 6 RCA Final Status Survey Work Plan	14 edays	Wed 1/18/12	Wed 2/1/12	170
172		Final Status Survey Field Work at Site 6 RCA	30 edays	Wed 2/1/12	Fri 3/2/12	171

All start and finish dates on Saturday
or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID	Task Name	Duration	Start	Finish	Pred
173	Site 6 Radiological Control Area (RCA) Final Status Survey Report	380 days	Fri 3/2/12	Sun 3/17/13	
174	Prepare Internal Draft Site 6 RCA Final Status Survey Report	60 edays	Fri 3/2/12	Tue 5/1/12	172
175	Navy BRAC Review Internal Draft Site 6 RCA Final Status Survey Report	14 edays	Tue 5/1/12	Tue 5/15/12	174
176	Revise Internal Draft Site 6 RCA Final Status Survey Report	14 edays	Tue 5/15/12	Tue 5/29/12	175
177	Navy RASO Review Internal Draft Site 6 RCA Final Status Survey Report	60 edays	Tue 5/29/12	Sat 7/28/12	176
178	Prepare Draft Site 6 RCA Final Status Survey Report	14 edays	Sat 7/28/12	Sat 8/11/12	177
179	Agency Review Draft Site 6 RCA Final Status Survey Report	60 edays	Sat 8/11/12	Wed 10/10/12	178
180	Prepare Preliminary Responses to Agency Comments on Site 6 RCA Final Status Survey	60 edays	Wed 10/10/12	Sun 12/9/12	179
181	Prepare Internal Final Site 6 RCA Final Status Survey Report	10 edays	Sun 12/9/12	Wed 12/19/12	180
182	Navy Review Internal Final Site 6 RCA Final Status Survey Report	14 edays	Wed 12/19/12	Wed 1/2/13	181
183	Prepare Final Site 6 RCA Final Status Survey Report	14 edays	Wed 1/2/13	Wed 1/16/13	182
184	Concur with Site 6 RCA Final Status Survey Report	60 edays	Wed 1/16/13	Sun 3/17/13	183
185	PP/DRAFT RAP FOR SITE 6	800 days	Thu 9/1/11	Fri 11/8/13	
186	Navy to Award Contract for Site 6 PP/Draft RAP and ROD	60 edays	Thu 9/1/11	Mon 10/31/11	
187	Prepare Internal Draft PP/Draft RAP for Site 6	91 edays	Wed 12/19/12	Wed 3/20/13	181
188	BCT Scoping Meeting for Site 6 PP/ROD/RAP	0 edays	Sat 1/19/13	Sat 1/19/13	187SS+31 edays
189	Navy Technical Review of Internal Draft PP/Draft RAP for Site 6	31 edays	Wed 3/20/13	Sat 4/20/13	187
190	Incorporate Navy Technical Comments on Internal Draft PP/Draft RAP for Site 6	14 edays	Sat 4/20/13	Sat 5/4/13	189
191	Navy Legal Review of Internal Draft PP/Draft RAP for Site 6	29 edays	Sat 5/4/13	Sun 6/2/13	190
192	Prepare Draft PP/Draft RAP for Site 6	14 edays	Sun 6/2/13	Sun 6/16/13	191
193	Agency Review of Draft PP/Draft RAP for Site 6	30 edays	Sun 6/16/13	Tue 7/16/13	192
194	Prepare Preliminary RTCs on Draft PP/Draft RAP for Site 6	28 edays	Tue 7/16/13	Tue 8/13/13	193
195	Meeting to Discuss Preliminary RTCs on Draft PP/Draft RAP for Site 6	0 edays	Tue 8/13/13	Tue 8/13/13	194
196	Prepare Internal Final PP/Draft RAP for Site 6	31 edays	Tue 8/13/13	Fri 9/13/13	195
197	Navy Review of Internal Final PP/Draft RAP for Site 6	10 edays	Fri 9/13/13	Mon 9/23/13	196
198	Prepare Final PP/Draft RAP for Site 6	14 edays	Mon 9/23/13	Mon 10/7/13	197
199	Public Notice of Final PP/Draft RAP for Site 6	0 edays	Mon 10/7/13	Mon 10/7/13	198
200	Public Comment Period of Final PP/Draft RAP for Site 6	32 edays	Mon 10/7/13	Fri 11/8/13	199
201	Finalize Administrative Record for Final PP/Draft RAP for Site 6	0 edays	Fri 11/8/13	Fri 11/8/13	200
202	Public Meeting for Final PP/Draft RAP for Site 6	0 edays	Fri 11/8/13	Fri 11/8/13	201
203	ROD/RAP FOR SITE 6	324 days	Fri 9/13/13	Sun 8/3/14	
204	Prepare Internal Draft ROD/RAP for Site 6	91 edays	Fri 9/13/13	Fri 12/13/13	197SS
205	BCT Scoping Meeting for ROD/RAP for Site 6	0 edays	Sun 10/13/13	Sun 10/13/13	204SS+30 edays

All start and finish dates on Saturday or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID	Task Name	Duration	Start	Finish	Pred
206	Navy Technical Review of Internal Draft ROD/RAP for Site 6	30 edays	Fri 12/13/13	Sun 1/12/14	204
207	Incorporate Navy Technical Comments on Internal Draft ROD/RAP for Site 6	14 edays	Sun 1/12/14	Sun 1/26/14	206
208	Navy Legal Review of Internal Draft ROD/RAP for Site 6	30 edays	Sun 1/26/14	Tue 2/25/14	207
209	Prepare Draft ROD/RAP for Site 6	14 edays	Tue 2/25/14	Tue 3/11/14	208
210	Agency Review of Draft ROD/RAP for Site 6	31 edays	Tue 3/11/14	Fri 4/11/14	209
211	Prepare Preliminary RTCs on Draft ROD/RAP for Site 6	28 edays	Fri 4/11/14	Fri 5/9/14	210
212	Meeting to Discuss Preliminary RTCs on Draft ROD/RAP for Site 6	0 edays	Fri 5/9/14	Fri 5/9/14	211
213	Prepare Internal Final ROD/RAP for Site 6	30 edays	Fri 5/9/14	Sun 6/8/14	212
214	Navy Review of Internal Final ROD/RAP for Site 6	12 edays	Sun 6/8/14	Fri 6/20/14	213
215	Prepare Final ROD/RAP for Site 6	14 edays	Fri 6/20/14	Fri 7/4/14	214
216	ROD/RAP Signed for Site 6	30 days	Sat 7/5/14	Sun 8/3/14	215
217	Public Notice of Signing ROD/RAP for Site 6	0 days	Sun 8/3/14	Sun 8/3/14	216
218	REMEDIAL DESIGN FOR SITE 6 (IF NECESSARY)	306 days	Mon 3/10/14	Sat 1/10/15	
219	Navy to award contract for Site 6 Remedial Design	60 edays	Mon 3/10/14	Fri 5/9/14	213SS-60 edays
220	Internal Draft RD for Site 6	91 edays	Fri 5/9/14	Fri 8/8/14	219
221	BCT Scoping Meeting for Site 6 RD	0 days	Sun 6/8/14	Sun 6/8/14	220SS+30 edays
222	Navy Review of Internal Draft RD for Site 6	30 edays	Fri 8/8/14	Sun 9/7/14	220
223	Draft RD for Site 6	14 days	Mon 9/8/14	Sun 9/21/14	222
224	Agency Review of Draft RD for Site 6	30 edays	Sun 9/21/14	Tue 10/21/14	223
225	Preliminary RTCs on Draft RD - Site 6	28 edays	Tue 10/21/14	Tue 11/18/14	224
226	Meeting to Discuss Preliminary RTCs on Draft RD - Site 6	0 edays	Tue 11/18/14	Tue 11/18/14	225
227	Internal Final for Site 6 RD	29 edays	Tue 11/18/14	Wed 12/17/14	226
228	Navy Review of Internal Final for Site 6 RD	10 edays	Wed 12/17/14	Sat 12/27/14	227
229	Final RD for Site 6	14 edays	Sat 12/27/14	Sat 1/10/15	228
230	REMEDIAL ACTION FOR SITE 6 (IF NECESSARY)	382 days	Tue 11/18/14	Sat 12/5/15	
231	Navy to award contract for Site 6 Remedial Action	60 edays	Tue 11/18/14	Sat 1/17/15	227SS
232	Remediation Field Work Site 6	150 edays	Sat 1/17/15	Tue 6/16/15	231
233	REMEDIAL ACTION REPORTS	172 days	Tue 6/16/15	Sat 12/5/15	
234	Internal Draft RA Reports for Site 6	32 edays	Tue 6/16/15	Sat 7/18/15	232
235	BCT Scoping Meeting for Site 6 RA Reports	0 days	Tue 6/30/15	Tue 6/30/15	234SS+14 edays
236	Navy Review of Internal Draft RA Reports for Site 6	15 edays	Sat 7/18/15	Sun 8/2/15	234
237	Draft RA Reports for Site 6	7 edays	Sun 8/2/15	Sun 8/9/15	236
238	Agency Review of Site 6 Draft RA Reports	30 edays	Sun 8/9/15	Tue 9/8/15	237

All start and finish dates on Saturday
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NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
 October 29, 2010

ID		Task Name	Duration	Start	Finish	Pred
239		Preliminary RTCs on Draft RA - Site 6	28 edays	Tue 9/8/15	Tue 10/6/15	238
240		Meeting to Discuss Preliminary RTCs on Draft RA for Site 6	0 edays	Tue 10/6/15	Tue 10/6/15	239
241		Internal Final RA Reports for Site 6	32 edays	Tue 10/6/15	Sat 11/7/15	240
242		Navy Review of Internal Final RA Reports for Site 6	14 edays	Sat 11/7/15	Sat 11/21/15	241
243		Final RA Reports for Site 6	14 edays	Sat 11/21/15	Sat 12/5/15	242
244		SITE COMPLETION FOR SITE 6	30 edays	Sat 12/5/15	Mon 1/4/16	243

All start and finish dates on Saturday
 or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID		Task Name	Duration	Start	Finish	Pred
245		SITE 8	5481 days	Thu 12/2/04	Sun 1/5/20	
246		INTERIM REMEDIAL INVESTIGATION FOR SITES 8 & 29	1544 days	Thu 12/2/04	Fri 3/27/09	
270		CALTRANS BRIDGE CONSTRUCTION PROJECT	2523 days	Mon 11/3/08	Wed 9/30/15	
271		REMAINING CERCLA ITEMS (IF NECESSARY)	1528 days	Wed 9/30/15	Fri 12/6/19	
272		SITES 8 & 29 RI ADDENDUM (IF NECESSARY)	186 days	Wed 9/30/15	Sun 4/3/16	
283		FEASIBILITY STUDY FOR SITES 8 & 29 (IF NECESSARY)	350 days	Tue 2/9/16	Tue 1/24/17	
297		PP/DRAFT RAP FOR SITES 8 & 29	320 days	Sat 12/31/16	Thu 11/16/17	
314		ROD/RAP SITES 8 & 29	320 days	Sat 9/23/17	Thu 8/9/18	
329		REMEDIAL DESIGN FOR SITES 8 & 29 (IF NECESSARY)	276 days	Thu 5/17/18	Sun 2/17/19	
341		REMEDIAL ACTION FOR SITES 8 & 29 (IF NECESSARY)	292 days	Sun 2/17/19	Fri 12/6/19	
352		SITE COMPLETION FOR SITES 8 & 29	30 edays	Fri 12/6/19	Sun 1/5/20	351

All start and finish dates on Saturday or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
353		SITE 11	5118 days	Thu 7/13/06	Thu 7/16/20	
354		INTERIM REMEDIAL INVESTIGATION FOR SITE 11	1294 days	Thu 7/13/06	Wed 1/27/10	
371		CALTRANS BRIDGE CONSTRUCTION PROJECT	2523 days	Mon 11/3/08	Wed 9/30/15	
372		REMAINING CERCLA ITEMS (IF NECESSARY)	1751 days	Wed 9/30/15	Thu 7/16/20	
373		SITE 11 RI ADDENDUM (IF NECESSARY)	186 days	Wed 9/30/15	Sun 4/3/16	
384		FEASIBILITY STUDY FOR SITE 11 (IF NECESSARY)	291 days	Tue 2/9/16	Sat 11/26/16	
397		PP/DRAFT RAP FOR SITE 11	323 days	Thu 11/3/16	Fri 9/22/17	
414		ROD/RAP FOR SITE 11	322 days	Fri 7/28/17	Fri 6/15/18	
429		REMEDIAL DESIGN FOR SITE 11 (IF NECESSARY)	310 days	Fri 6/15/18	Sun 4/21/19	428
441		REMEDIAL ACTION FOR SITE 11 (IF NECESSARY)	421 days	Sun 4/21/19	Mon 6/15/20	
454		SITE COMPLETION FOR SITE 11	31 edays	Mon 6/15/20	Thu 7/16/20	453

All start and finish dates on Saturday
or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
455		SITE 12	5409 days	Wed 5/7/03	Wed 9/12/18	
456	✓	ADDITIONAL INVESTIGATION FOR COMMON AREAS	95 days	Wed 5/7/03	Fri 9/19/03	
464	✓	HALYBURTON COURT SOIL GAS/INDOOR AIR SAP ADDENDUM	692 days	Fri 1/7/05	Wed 12/20/06	
475	✓	HALYBURTON COURT INDOOR AIR EVALUATION TECHNICAL MEMORANDUM SITE 12	1186 days	Mon 12/1/03	Fri 7/13/07	
481	✓	ARSENIC IN GROUNDWATER TECHNICAL MEMORANDUM SITE 12	268 days	Thu 1/1/04	Tue 1/11/05	
490		ARSENIC IN GROUNDWATER PILOT STUDY	2047 days	Mon 12/11/06	Thu 7/19/12	
491	✓	Conduct Bench Tests for Arsenic in Groundwater Pilot Study	158 edays	Mon 12/11/06	Fri 5/18/07	
492	✓	Prepare Internal Draft Work Plan for Arsenic in Groundwater Pilot Study	132 edays	Fri 5/18/07	Thu 9/27/07	491
493	✓	Navy Review of Internal Draft Work Plan for Arsenic in Groundwater Pilot Study	32 edays	Thu 9/27/07	Mon 10/29/07	492
494	✓	Respond to Navy Comments and Prepare Draft Work Plan for Arsenic in Groundwater Pilot Study	17 edays	Mon 10/29/07	Thu 11/15/07	493
495	✓	BCT Review Draft Work Plan for Arsenic in Groundwater Pilot Study	240 edays	Thu 11/15/07	Sat 7/12/08	494
496	✓	Respond to BCT Comments on Draft Work Plan for Arsenic in Groundwater Pilot Study	88 edays	Sat 7/12/08	Wed 10/8/08	495
497	✓	BCT Review RTCs on Arsenic in Groundwater Pilot Study Work Plan	16 edays	Wed 10/8/08	Fri 10/24/08	496
498	✓	Prepare Final Arsenic in Groundwater Pilot Study Work Plan	7 edays	Fri 10/24/08	Fri 10/31/08	497
499	📅	Conduct Arsenic in Groundwater Pilot Study	1215 edays	Fri 10/31/08	Tue 2/28/12	498
500		Prepare Report of Arsenic in Groundwater Pilot Study	142 days	Tue 2/28/12	Thu 7/19/12	499
501		Prepare Internal Draft Report of Arsenic in Groundwater Pilot Study	30 edays	Tue 2/28/12	Thu 3/29/12	499
502		Navy Review Internal Draft Report of Arsenic in Groundwater Pilot Study	14 edays	Thu 3/29/12	Thu 4/12/12	501
503		Prepare Draft Report of Arsenic in Groundwater Pilot Study	7 edays	Thu 4/12/12	Thu 4/19/12	502
504		Agency Review Draft Report of Arsenic in Groundwater Pilot Study	30 edays	Thu 4/19/12	Sat 5/19/12	503
505		Prepare Internal Final Report of Arsenic in Groundwater Pilot Study	33 edays	Sat 5/19/12	Thu 6/21/12	504
506		Navy Review Internal Final Report of Arsenic in Groundwater Pilot Study	14 edays	Thu 6/21/12	Thu 7/5/12	505
507		Prepare Final Report of Arsenic in Groundwater Pilot Study	14 edays	Thu 7/5/12	Thu 7/19/12	506
508		REMEDIAL INVESTIGATION FOR SITE 12	2535 days	Sun 6/20/04	Sun 8/14/11	
509	✓	Navy to award contract for Site 12 RI Scoping, HHRA WP, Tech Memos	54 edays	Sun 6/20/04	Fri 8/13/04	
510	✓	Risk Assessment/RI Scoping Work Plan	539 days	Sat 8/14/04	Fri 4/7/06	
521	✓	Soil Gas Investigation	506 days	Mon 1/28/08	Wed 6/17/09	
538	✓	Site 12 HHRA Technical Memorandum	489 days	Wed 6/17/09	Mon 10/18/10	
544		Site 12 RI Report	1134 days	Mon 7/7/08	Sun 8/14/11	
545	✓	Navy to award contract for Site 12 RI Report	60 edays	Mon 7/7/08	Fri 9/5/08	
546		Prepare Site 12 Internal Draft RI Report	98 edays	Mon 10/18/10	Mon 1/24/11	543
547		Navy Technical/Legal Review Site 12 Internal Draft RI Report	60 edays	Mon 1/24/11	Fri 3/25/11	546
548		Prepare Site 12 Draft RI Report	30 edays	Fri 3/25/11	Sun 4/24/11	547

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID	Task Name	Duration	Start	Finish	Pred
549	Agency Review Site 12 Draft RI Report	30 edays	Sun 4/24/11	Tue 5/24/11	548
550	Prepare Preliminary RTCs for Site 12 Draft RI Report	28 edays	Tue 5/24/11	Tue 6/21/11	549
551	BCT Meeting to Discuss RTCs for Site 12 Draft RI Report	0 edays	Tue 6/21/11	Tue 6/21/11	550
552	Prepare Site 12 Internal Final RI Report	30 edays	Tue 6/21/11	Thu 7/21/11	551
553	Navy Review Site 12 Internal Final RI Report	10 edays	Thu 7/21/11	Sun 7/31/11	552
554	Site 12 Final RI Report	14 edays	Sun 7/31/11	Sun 8/14/11	553
555	NON-TIME CRITICAL INTERIM REMOVAL ACTION WORK PLANS FOR SITE 12 SWDAs	441 days	Thu 12/1/05	Thu 2/15/07	
585	NON-TIME CRITICAL REMOVAL ACTION FOR SITE 12 SWDAs	2099 days	Thu 3/30/06	Tue 12/27/11	
586	Navy to award contract for Site 12 for Removal Action Work Plan and Removal Action	176 edays	Thu 3/30/06	Fri 9/22/06	
587	Site 12 Remedial Action Work Plan (RAWP)	165 days	Fri 9/22/06	Tue 3/6/07	
595	Non-Time Critical Removal Action of Site 12 SWDAs	1585 edays	Mon 2/26/07	Thu 6/30/11	594FS-8 edays
596	HHRA for SWDA NTCRA (CERCLA only)	180 edays	Thu 6/30/11	Tue 12/27/11	595
597	Non-Time Critical Removal Action Summary Open House	0 edays	Sat 10/24/09	Sat 10/24/09	
598	SWDA FINAL STATUS SURVEYS	1334 days	Mon 7/12/10	Fri 3/7/14	
599	SWDA Final Status Survey Work Plan (Master Plan)	389 days	Mon 7/12/10	Fri 8/5/11	
600	Prepare Internal Draft Site 12 SWDAs Final Status Survey Work Plan	30 edays	Mon 7/12/10	Wed 8/11/10	
601	Navy BRAC Review Internal Draft Site 12 SWDAs Final Status Survey Work Plan	14 edays	Wed 8/11/10	Wed 8/25/10	600
602	Revise Internal Draft Site 12 SWDAs Final Status Survey Work Plan	63 edays	Wed 8/25/10	Wed 10/27/10	601
603	Navy RASO Review Internal Draft Site 12 SWDAs Final Status Survey Work Plan	57 edays	Wed 10/27/10	Thu 12/23/10	602
604	Prepare Draft Site 12 SWDAs Final Status Survey Work Plan	7 edays	Thu 12/23/10	Thu 12/30/10	603
605	Agency Review Draft Site 12 SWDAs Final Status Survey Work Plan	60 edays	Thu 12/30/10	Mon 2/28/11	604
606	Prepare Preliminary Responses to Agency Comments on Draft Site 12 SWDAs Final Status Survey Work Plan	60 edays	Mon 2/28/11	Fri 4/29/11	605
607	Prepare Internal Final Site 12 SWDAs Final Status Survey Work Plan	10 edays	Fri 4/29/11	Mon 5/9/11	606
608	Navy Review Internal Final Site 12 SWDAs Final Status Survey Work Plan	14 edays	Mon 5/9/11	Mon 5/23/11	607
609	Prepare Final Site 12 SWDAs Final Status Survey Work Plan	14 edays	Mon 5/23/11	Mon 6/6/11	608
610	Concurrence on Final Site 12 SWDA Final Status Survey Work Plan	60 edays	Mon 6/6/11	Fri 8/5/11	609
611	Final Status Survey Field Work	30 edays	Fri 8/5/11	Sun 9/4/11	610
612	SWDA Final Status Survey Report (SWDA A&B Unit 1)	387 days	Sun 9/4/11	Tue 9/25/12	
625	SWDA Final Status Survey Report (SWDA A&B Unit 2)	387 days	Thu 12/1/11	Sat 12/22/12	
638	SWDA Final Status Survey Report (SWDA A&B Unit 3)	387 days	Mon 2/27/12	Wed 3/20/13	
651	SWDA Final Status Survey Report (SWDA A&B Unit 4)	387 days	Fri 5/25/12	Sun 6/16/13	
664	SWDA Final Status Survey Report (SWDA A&B Unit 5)	387 days	Tue 8/21/12	Thu 9/12/13	
677	SWDA Final Status Survey Report (Bayside)	387 days	Sat 11/17/12	Mon 12/9/13	

All start and finish dates on Saturday or Sunday default to the following business day.

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ID	Task Name	Duration	Start	Finish	Pred
690	SWDA Final Status Survey Report (Northpoint)	387 days	Wed 2/13/13	Fri 3/7/14	
703	Removal Action Completion Report (RACR) Site 12 SWDAs NTCRA	216 days	Fri 3/7/14	Thu 10/9/14	
704	Prepare Internal Draft RACR for Site 12 SWDAs NTCRA	30 edays	Fri 3/7/14	Sun 4/6/14	702
705	Navy Review Internal Draft RACR for Site 12 SWDAs NTCRA	14 edays	Sun 4/6/14	Sun 4/20/14	704
706	Revise Internal Draft RACR Site 12 SWDAs NTCRA	14 edays	Sun 4/20/14	Sun 5/4/14	705
707	Navy RASO Review Internal Draft RACR Site 12 SWDAs NTCRA	60 edays	Sun 5/4/14	Thu 7/3/14	706
708	Prepare Draft RACR for Site 12 SWDAs NTCRA	7 edays	Thu 7/3/14	Thu 7/10/14	707
709	Agency Review Draft RACR for Site 12 SWDAs NTCRA	30 edays	Thu 7/10/14	Sat 8/9/14	708
710	Prepare Internal Final RACR for Site 12 SWDAs NTCRA	33 edays	Sat 8/9/14	Thu 9/11/14	709
711	Navy Review Internal Final RACR for Site 12 SWDAs NTCRA	14 edays	Thu 9/11/14	Thu 9/25/14	710
712	Prepare Final RACR for Site 12 SWDAs NTCRA	14 edays	Thu 9/25/14	Thu 10/9/14	711
713	NON-TIME CRITICAL INTERIM REMOVAL ACTION FOR SITE 12 BIGELOW COURT	1319 days	Mon 6/9/08	Wed 1/18/12	
714	EE/CA/DRAFT RAP FOR SITE 12 HALYBURTON COURT (CANCELLED)	631 days	Mon 6/9/08	Mon 3/1/10	
732	AM/FINAL RAP FOR SITE 12 HALYBURTON COURT (CANCELLED)	328 days	Sat 1/16/10	Fri 12/10/10	
749	REMOVAL ACTION WORK PLAN (RAWP) FOR SITE 12 BIGELOW COURT	309 days	Thu 7/8/10	Fri 5/13/11	
750	Navy to award contract for Site 12 for RAWP and Removal Action for Bigelow Court	60 edays	Thu 7/8/10	Mon 9/6/10	
751	Internal Draft Site 12 RAWP	63 edays	Mon 9/6/10	Mon 11/8/10	750
752	Navy BRAC Review of Internal Draft Site 12 RAWP	14 edays	Mon 11/8/10	Mon 11/22/10	751
753	Incorporate Navy Technical Review of Internal Draft Site 12 RAWP	7 days	Tue 11/23/10	Mon 11/29/10	752
754	Navy RASO Review of Internal Draft Site 12 RAWP	60 edays	Mon 11/29/10	Fri 1/28/11	753
755	Prepare Draft Site 12 RAWP	14 edays	Fri 1/28/11	Fri 2/11/11	754
756	Agency and Public Review of Draft Site 12 RAWP	30 edays	Fri 2/11/11	Sun 3/13/11	755
757	Prepare Internal Final Site 12 RAWP	33 edays	Sun 3/13/11	Fri 4/15/11	756
758	Navy Review Internal Final Site 12 RAWP	14 edays	Fri 4/15/11	Fri 4/29/11	757
759	Prepare and Submit Final Site 12 RAWP	14 edays	Fri 4/29/11	Fri 5/13/11	758
760	NON-TIME CRITICAL REMOVAL ACTION OF SITE 12 BIGELOW COURT	90 edays	Fri 5/13/11	Thu 8/11/11	759
761	POST CONSTRUCTION REMOVAL ACTION REPORT FOR SITE 12 BIGELOW COURT	160 edays	Thu 8/11/11	Wed 1/18/12	760
762	SITE 12 BACKYARD FIELD INVESTIGATION (IF NECESSARY)	274 days	Fri 11/5/10	Sat 8/6/11	
775	FEASIBILITY STUDY FOR SITE 12	441 days	Thu 7/21/11	Thu 10/4/12	
776	Navy to award contract for Site 12 FS/PP/ROD	60 edays	Thu 7/21/11	Mon 9/19/11	552
777	Internal Draft FS for Site 12	90 edays	Tue 12/27/11	Mon 3/26/12	596
778	BCT Scoping Meeting Site 12 FS	0 edays	Thu 1/26/12	Thu 1/26/12	777SS+30 edays
779	Navy Technical Review of Internal Draft Site 12 FS	21 edays	Mon 3/26/12	Mon 4/16/12	777

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ID	Task Name	Duration	Start	Finish	Pred
780	Incorporate Navy Technical Comments on Site 12 Internal Draft FS	14 edays	Mon 4/16/12	Mon 4/30/12	779
781	Navy Legal Review of Internal Draft Site 12 FS	30 edays	Mon 4/30/12	Wed 5/30/12	780
782	Draft FS for Site 12	14 edays	Wed 5/30/12	Wed 6/13/12	781
783	Agency Review of Draft FS for Site 12	30 edays	Wed 6/13/12	Fri 7/13/12	782
784	Preliminary RTCs on Draft FS for Site 12	28 edays	Fri 7/13/12	Fri 8/10/12	783
785	Meeting to Discuss Preliminary RTCs on Draft FS for Site 12	1 eday	Fri 8/10/12	Sat 8/11/12	784
786	Internal Final for Site 12 FS	30 edays	Sat 8/11/12	Mon 9/10/12	785
787	Navy Review of Internal Final for Site 12 FS	10 edays	Mon 9/10/12	Thu 9/20/12	786
788	Final FS for Site 12	14 edays	Thu 9/20/12	Thu 10/4/12	787
789	PP/DRAFT RAP FOR SITE 12	320 days	Thu 9/11/14	Tue 7/28/15	
790	Prepare Internal Draft PP/Draft RAP for Site 12	90 edays	Thu 9/11/14	Wed 12/10/14	786SS,710
791	BCT Scoping Meeting for Site 12 PP/ROD/RAP	0 edays	Sun 9/21/14	Sun 9/21/14	790SS+10 edays
792	Navy Technical Review of Internal Draft PP/Draft RAP for Site 12	30 edays	Wed 12/10/14	Fri 1/9/15	790
793	Incorporate Navy Technical Review Comments on Internal Draft PP/Draft RAP for Site 12	14 edays	Fri 1/9/15	Fri 1/23/15	792
794	Navy Legal Review of Internal Draft PP/Draft RAP for Site 12	30 edays	Fri 1/23/15	Sun 2/22/15	793
795	Prepare Draft PP/RAP for Site 12	14 edays	Sun 2/22/15	Sun 3/8/15	794
796	Agency Review of Draft PP/Draft RAP for Site 12	30 edays	Sun 3/8/15	Tue 4/7/15	795
797	Prepare Preliminary RTCs for Draft PP/Draft RAP for Site 12	28 edays	Tue 4/7/15	Tue 5/5/15	796
798	Meeting to Discuss Preliminary RTCs on Draft PP/Draft RAP for Site 12	0 edays	Tue 5/5/15	Tue 5/5/15	797
799	Prepare Internal Final PP/RAP for Site 12	30 edays	Tue 5/5/15	Thu 6/4/15	798
800	Navy Review of Internal Final PP/RAP for Site 12	10 edays	Thu 6/4/15	Sun 6/14/15	799
801	Prepare Final PP/Draft RAP for Site 12	14 edays	Sun 6/14/15	Sun 6/28/15	800
802	Public Notice of Final PP/Draft RAP for Site 12	0 edays	Sun 6/28/15	Sun 6/28/15	801
803	Public Comment Period of Final PP/Draft RAP for Site 12	30 edays	Sun 6/28/15	Tue 7/28/15	802
804	Finalize Administrative Record for Final PP/Draft RAP for Site 12	0 edays	Tue 7/28/15	Tue 7/28/15	803
805	Public Meeting for Final PP/Draft RAP for Site 12	0 edays	Tue 7/28/15	Tue 7/28/15	804
806	ROD/RAP FOR SITE 12	320 days	Thu 6/4/15	Tue 4/19/16	
807	Prepare Internal Draft ROD/RAP for Site 12	90 edays	Thu 6/4/15	Wed 9/2/15	800SS
808	BCT Working Meeting for ROD/RAP for Site 12	0 edays	Sat 7/4/15	Sat 7/4/15	807SS+30 edays
809	Navy Technical Review Of Internal Draft of ROD/RAP for Site 12	30 edays	Wed 9/2/15	Fri 10/2/15	807
810	Incorporate Navy Technical Review Comments on Internal Draft ROD/RAP for Site 12	14 edays	Fri 10/2/15	Fri 10/16/15	809
811	Navy Legal Review Internal Draft of ROD/RAP for Site 12	30 edays	Fri 10/16/15	Sun 11/15/15	810
812	Prepare Draft ROD/RAP for Site 12	14 edays	Sun 11/15/15	Sun 11/29/15	811

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID	Task Name	Duration	Start	Finish	Pred
813	Agency Review of Draft ROD/RAP for Site 12	30 edays	Sun 11/29/15	Tue 12/29/15	812
814	Prepare Preliminary RTCs on Draft ROD/RAP for Site 12	28 edays	Tue 12/29/15	Tue 1/26/16	813
815	Meeting to Discuss RTCs on Draft ROD/RAP for Site 12	0 edays	Tue 1/26/16	Tue 1/26/16	814
816	Prepare Internal Final ROD/RAP for Site 12	30 edays	Tue 1/26/16	Thu 2/25/16	814
817	Navy Review of Internal Final ROD/RAP for Site 12	10 edays	Thu 2/25/16	Sun 3/6/16	816
818	Prepare Final ROD/RAP for Site 12	14 edays	Sun 3/6/16	Sun 3/20/16	817
819	ROD/RAP for Site 12 Signature	30 edays	Sun 3/20/16	Tue 4/19/16	818
820	Public Notice of Signing ROD/RAP for Site 12	0 edays	Tue 4/19/16	Tue 4/19/16	819
821	REMEDIAL DESIGN FOR SITE 12	288 days	Tue 1/26/16	Wed 11/9/16	
822	Navy to award contract for Site 12 Remedial Design	60 edays	Tue 1/26/16	Sat 3/26/16	816SS
823	Internal Draft RD for Site 12	90 edays	Sat 3/26/16	Fri 6/24/16	816,822
824	BCT Working Meeting for Site 12 RD	0 days	Mon 4/25/16	Mon 4/25/16	823SS+30 edays
825	Navy Review of Internal Draft RD for Site 12	21 edays	Fri 6/24/16	Fri 7/15/16	823
826	Draft RD for Site 12	14 edays	Fri 7/15/16	Fri 7/29/16	825
827	Agency Review of Draft RD for Site 12	30 edays	Fri 7/29/16	Sun 8/28/16	826
828	Prepare Preliminary RTCs on Draft RD for Site 12	28 edays	Sun 8/28/16	Sun 9/25/16	827
829	BCT Meeting to discuss Preliminary RTCs on Draft RD for Site 12	0 edays	Sun 9/25/16	Sun 9/25/16	828
830	Internal Final for Site 12 RD	21 edays	Sun 9/25/16	Sun 10/16/16	829
831	Navy Review of Internal Final for Site 12 RD	10 edays	Sun 10/16/16	Wed 10/26/16	827,830
832	Final RD for Site 12	14 edays	Wed 10/26/16	Wed 11/9/16	831
833	REMEDIAL ACTION FOR SITE 12	560 days	Sat 9/10/16	Sat 3/24/18	
834	Navy to Award Contract for Remedial Action for Site 12	60 edays	Sat 9/10/16	Wed 11/9/16	832FS-60 edays
835	Remediation Field Work Site 12	500 edays	Wed 11/9/16	Sat 3/24/18	834
836	REMEDIAL ACTION REPORTS FOR SITE 12	142 days	Sat 3/24/18	Mon 8/13/18	
837	Internal Draft RA Reports for Site 12	30 edays	Sat 3/24/18	Mon 4/23/18	835
838	BCT Working Meeting for Site 12 RA Reports	0 days	Sun 4/8/18	Sun 4/8/18	837SS+15 edays
839	Navy Review of Internal Draft RA Reports for Site 12	14 edays	Mon 4/23/18	Mon 5/7/18	837
840	Draft RA Reports for Site 12	7 edays	Mon 5/7/18	Mon 5/14/18	839
841	Agency Review of Site 12 Draft RA Reports	30 edays	Mon 5/14/18	Wed 6/13/18	840
842	Internal Final RA Reports for Site 12	33 edays	Wed 6/13/18	Mon 7/16/18	841
843	Navy Review of Internal Final RA Reports for Site 12	14 edays	Mon 7/16/18	Mon 7/30/18	842
844	Final RA Reports for Site 12	14 edays	Mon 7/30/18	Mon 8/13/18	843
845	SITE COMPLETION FOR SITE 12	30 edays	Mon 8/13/18	Wed 9/12/18	844

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
846		SITE 21	5152 days	Tue 7/1/03	Sat 2/3/18	
847		REMEDIAL INVESTIGATION FOR SITE 21	1152 days	Tue 7/1/03	Tue 2/20/07	
863		TREATABILITY STUDY FOR SITE 21	2237 days	Wed 12/15/04	Fri 2/25/11	
864		Navy to Award Contract for Site 21 Treatability Study	61 edays	Wed 12/15/04	Mon 2/14/05	
865		BCT Scoping meetings for Treatability Study - identify objectives and treatment technology Site 21	0 edays	Thu 3/24/05	Thu 3/24/05	864FS+30 days
866		Internal Draft Work Plan for Treatability Study Site 21	46 edays	Sun 2/13/05	Thu 3/31/05	864,860
867		Navy Review of Internal Draft Work Plan for Treatability Study Site 21	14 edays	Thu 3/31/05	Thu 4/14/05	866
868		Draft Treatability Study Work Plan Site 21	7 edays	Fri 4/15/05	Fri 4/22/05	867FS+1 eday
869		Agency Review of Draft Treatability Study Work Plan Site 21	13 edays	Fri 4/22/05	Thu 5/5/05	868
870		Internal Final Treatability Study Work Plan Site 21	14 edays	Thu 6/2/05	Thu 6/16/05	869
871		Navy Review Internal Final Treatability Study Work Plan Site 21	0 edays	Thu 6/16/05	Thu 6/16/05	870
872		Final Treatability Study Work Plan Site 21	0 edays	Thu 6/16/05	Thu 6/16/05	871
873		Site 21 Treatability Study - Construction	21 edays	Mon 8/22/05	Mon 9/12/05	872FS+2 days
874		Site 21 Treatability Study - Startup	12 edays	Wed 8/31/05	Mon 9/12/05	873FS-14 days
875		Site 21 Treatability Study - Operation, Data Collection, Analysis and Validation	1851 edays	Thu 8/25/05	Sun 9/19/10	
876		Site 21 Treatability Study Report	160 days	Sun 9/19/10	Fri 2/25/11	875
877		Prepare Site 21 Internal Draft Treatability Study Report	10 edays	Sun 9/19/10	Wed 9/29/10	875
878		Navy Review of Site 21 Internal Draft Treatability Study Report	26 edays	Fri 10/8/10	Wed 11/3/10	877
879		Site 21 Draft Treatability Study Report	7 edays	Wed 11/3/10	Wed 11/10/10	878
880		Agency Review of Site 21 Draft Treatability Study Report	30 edays	Wed 11/10/10	Fri 12/10/10	879
881		Preliminary RTCs on Draft Treatability Study Report for Site 21	28 edays	Fri 12/10/10	Fri 1/7/11	880
882		Meeting to Discuss Preliminary RTCs on Draft Treatability Study Report for Site 21	0 edays	Fri 1/7/11	Fri 1/7/11	881
883		Internal Final Site 21 Treatability Study Report	21 edays	Fri 1/7/11	Fri 1/28/11	882
884		Navy Review Internal Final Site 21 Treatability Study Report	14 edays	Fri 1/28/11	Fri 2/11/11	883
885		Final Site 21 Treatability Study Report	14 edays	Fri 2/11/11	Fri 2/25/11	884
886		FEASIBILITY STUDY FOR SITE 21	938 days	Tue 9/5/06	Tue 3/31/09	
901		PP/DRAFT RAP FOR SITE 21	490 days	Mon 1/4/10	Mon 5/9/11	
902		Prepare Internal Draft PP/Draft RAP for Site 21	95 edays	Mon 1/4/10	Fri 4/9/10	
903		Navy Technical Review of Internal Draft PP/Draft RAP for Site 21	130 edays	Fri 4/9/10	Tue 8/17/10	902
904		Incorporate Navy Technical Comments on Internal Draft PP/Draft RAP for Site 21	14 edays	Tue 8/17/10	Tue 8/31/10	903
905		Navy Legal Review of Internal Draft PP/Draft RAP for Site 21	73 edays	Tue 8/31/10	Fri 11/12/10	904
906		Prepare Draft PP/RAP for Site 21	35 edays	Fri 11/12/10	Fri 12/17/10	905,879FF+30 edays
907		Agency Review of Draft PP/Draft RAP for Site 21	30 edays	Fri 12/17/10	Sun 1/16/11	906

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID	Task Name	Duration	Start	Finish	Pred
908	Prepare Preliminary RTCs on Draft PP/Draft RAP for Site 21	28 edays	Sun 1/16/11	Sun 2/13/11	907
909	Meeting to Discuss Preliminary RTCs on Draft PP/Draft RAP for Site 21	0 edays	Sun 2/13/11	Sun 2/13/11	908
910	Prepare Internal Final PP/Draft RAP for Site 21	30 edays	Sun 2/13/11	Tue 3/15/11	909
911	Navy Review of Internal Final PP/Draft RAP for Site 21	11 edays	Tue 3/15/11	Sat 3/26/11	910
912	Prepare Final PP/Draft RAP for Site 21	14 edays	Sat 3/26/11	Sat 4/9/11	911
913	Public Notice of Final PP/Draft RAP for Site 21	0 edays	Sat 4/9/11	Sat 4/9/11	912
914	Public Comment Period Final PP/Draft RAP for Site 21	30 edays	Sat 4/9/11	Mon 5/9/11	913
915	Finalize Administrative Record for Final PP/Draft RAP for Site 21	0 edays	Mon 5/9/11	Mon 5/9/11	914
916	Public Meeting for Final PP/Draft RAP for Site 21	0 edays	Wed 4/27/11	Wed 4/27/11	914SS+18 edays
917	ROD/RAP FOR SITE 21	292 days	Sun 2/13/11	Fri 12/2/11	
918	Prepare Internal Draft ROD/RAP for Site 21	90 edays	Sun 2/13/11	Sat 5/14/11	910SS
919	BCT Scoping Meeting for Site 21 ROD/RAP	0 edays	Tue 3/15/11	Tue 3/15/11	918SS+30 edays
920	Navy Technical Review of Site 21 Internal Draft ROD/RAP	30 edays	Sat 5/14/11	Mon 6/13/11	918
921	Incorporate Navy Technical Comments on Site 21 Internal Draft ROD/RAP	14 edays	Mon 6/13/11	Mon 6/27/11	920
922	Navy Legal Review of Site 21 Internal Draft ROD/RAP	30 edays	Mon 6/27/11	Wed 7/27/11	921
923	Draft ROD/RAP for Site 21	14 edays	Wed 7/27/11	Wed 8/10/11	922
924	Agency Review of Draft ROD/RAP for Site 21	30 edays	Wed 8/10/11	Fri 9/9/11	923
925	Preliminary RTCs on Draft ROD/RAP for Site 21	28 edays	Fri 9/9/11	Fri 10/7/11	924
926	Meeting to Discuss Preliminary RTCs on Draft ROD/RAP for Site 21	1 eday	Fri 10/7/11	Sat 10/8/11	925
927	Internal Final ROD/RAP for Site 21	30 edays	Sat 10/8/11	Mon 11/7/11	926
928	Navy Review of Internal Final ROD/RAP for Site 21	11 edays	Mon 11/7/11	Fri 11/18/11	927
929	Final ROD/RAP for Site 21	14 edays	Fri 11/18/11	Fri 12/2/11	928
930	Site 21 ROD/RAP Signature	0 edays	Fri 12/2/11	Fri 12/2/11	929
931	Public Notice of Signing ROD/RAP	0 edays	Fri 12/2/11	Fri 12/2/11	930
932	REMEDIAL DESIGN FOR SITE 21 (IF NECESSARY)	307 days	Sat 10/8/11	Fri 8/10/12	
933	Navy to award contract for Site 21 Remedial Design	60 edays	Sat 10/8/11	Wed 12/7/11	927SS
934	Internal Draft RD for Site 21	90 edays	Wed 12/7/11	Tue 3/6/12	933
935	Navy Review of Internal Draft RD for Site 21	30 edays	Tue 3/6/12	Thu 4/5/12	934
936	BCT Scoping Meeting for Site 21 RD	0 edays	Thu 4/5/12	Thu 4/5/12	935
937	Draft RD for Site 21	14 edays	Thu 4/5/12	Thu 4/19/12	936
938	Agency Review of Draft RD for Site 21	30 edays	Thu 4/19/12	Sat 5/19/12	937
939	Preliminary RTCs on Draft RD for Site 21	28 edays	Sat 5/19/12	Sat 6/16/12	938
940	Meeting to Discuss Preliminary RTCs on Draft RD for Site 21	1 eday	Sat 6/16/12	Sun 6/17/12	939

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
941		Internal Final for Site 21 RD	30 edays	Sun 6/17/12	Tue 7/17/12	940
942		Navy Review of Internal Final for Site 21 RD	10 edays	Tue 7/17/12	Fri 7/27/12	941
943		Final RD for Site 21	14 edays	Fri 7/27/12	Fri 8/10/12	942
944		REMEDIAL ACTION FOR SITE 21 (IF NECESSARY)	2027 days	Sun 6/17/12	Thu 1/4/18	
945		Navy to Award Contract for Site 21 Remedial Action	60 edays	Sun 6/17/12	Thu 8/16/12	941SS
946		Remediation Field Work Site 21/Groundwater Monitoring	1825 edays	Thu 8/16/12	Tue 8/15/17	945
947		REMEDIAL ACTION REPORTS	142 days	Tue 8/15/17	Thu 1/4/18	
948		Internal Draft RA Reports for Site 21	30 edays	Tue 8/15/17	Thu 9/14/17	946
949		Navy Review of Site 21 Internal Draft RA Reports	14 edays	Thu 9/14/17	Thu 9/28/17	948
950		BCT Scoping Meeting for Site 21 RA Reports	0 edays	Thu 9/28/17	Thu 9/28/17	949
951		Draft RA Reports for Site 21	7 edays	Thu 9/28/17	Thu 10/5/17	950
952		Agency Review of Site 21 Draft RA Reports	30 edays	Thu 10/5/17	Sat 11/4/17	951
953		Internal Final RA Reports for Site 21	33 edays	Sat 11/4/17	Thu 12/7/17	952
954		Navy Review of Internal Final RA Reports for Site 21	14 edays	Thu 12/7/17	Thu 12/21/17	953
955		Final RA Reports for Site 21	14 edays	Thu 12/21/17	Thu 1/4/18	954
956		FIVE YEAR REVIEW	246 edays	Thu 12/1/16	Fri 8/4/17	930FS+1826 edays
957		SITE COMPLETION FOR SITE 21	30 edays	Thu 1/4/18	Sat 2/3/18	955

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID		Task Name	Duration	Start	Finish	Pred
958		SITE 24	5287 days	Tue 1/21/03	Fri 1/26/18	
959		PLUME DELINEATION INVESTIGATION	146 days	Mon 2/3/03	Wed 7/23/03	
966		REMEDIAL INVESTIGATION/FOCUSED FEASIBILITY STUDY FOR SITE 24	1301 days	Sun 10/31/04	Thu 7/3/08	
993		PILOT STUDY FOR SITE 24	674 days	Tue 1/21/03	Thu 6/9/05	
1009		EXPANDED TREATABILITY STUDY FOR SITE 24	2710 days	Fri 3/26/04	Tue 12/6/11	
1010		Draft Plans for Expanded Treatability Study Site 24	234 edays	Fri 3/26/04	Mon 11/15/04	1003FS+1 day
1011		Install Expanded Treatability Study System Site 24	121 edays	Mon 11/15/04	Wed 3/16/05	1010
1012		Operate, Monitor and Investigate Expanded Treatability Study System Site 24	2455 edays	Thu 3/17/05	Tue 12/6/11	1011FS+1 day
1013		Prepare Final Reports of Expanded Treatability Study System Site 24	201 days	Mon 12/6/10	Sat 6/25/11	
1014		Prepare Site 24 Internal Draft Expanded Treatability Study Report	60 edays	Mon 12/6/10	Fri 2/4/11	
1015		Navy Review of Site 24 Internal Draft Expanded Treatability Study Report	14 edays	Fri 2/4/11	Fri 2/18/11	1014
1016		Site 24 Draft Expanded Treatability Study Report	7 edays	Fri 2/18/11	Fri 2/25/11	1015
1017		Agency Review of Site 24 Draft Expanded Treatability Study Report	30 edays	Fri 2/25/11	Sun 3/27/11	1016
1018		Preliminary RTCs on Draft Expanded Treatability Study Report for Site 24	28 edays	Sun 3/27/11	Sun 4/24/11	1017
1019		Meeting to Discuss Preliminary RTCs on Draft Expanded Treatability Study Report for Site 24	1 eday	Sun 4/24/11	Mon 4/25/11	1018
1020		Internal Final Site 24 Expanded Treatability Study Report	33 edays	Mon 4/25/11	Sat 5/28/11	1019
1021		Navy Review Internal Final Site 24 Expanded Treatability Study Report	14 edays	Sat 5/28/11	Sat 6/11/11	1020
1022		Final Site 24 Expanded Treatability Study Report	14 edays	Sat 6/11/11	Sat 6/25/11	1021
1023		PP/DRAFT RAP FOR SITE 24	1459 days	Mon 8/20/07	Thu 8/18/11	
1024		Navy to award contract for Site 24 PP/ROD/RAP	60 edays	Mon 8/20/07	Fri 10/19/07	
1025		Prepare Internal Draft PP/Draft RAP for Site 24	91 edays	Thu 9/30/10	Thu 12/30/10	1014SS-67 edays
1026		Navy Technical Review of Internal Draft PP/Draft RAP for Site 24	30 edays	Thu 12/30/10	Sat 1/29/11	1025
1027		Incorporate Navy Technical Comments on Internal Draft PP/Draft RAP for Site 24	14 edays	Sat 1/29/11	Sat 2/12/11	1026
1028		Navy Legal Review of Internal Draft PP/Draft RAP for Site 24	30 edays	Sat 2/12/11	Mon 3/14/11	1027
1029		Prepare Draft PP/Draft RAP for Site 24	14 edays	Mon 3/14/11	Mon 3/28/11	1028
1030		Agency Review of Draft PP/Draft RAP for Site 24	30 edays	Mon 3/28/11	Wed 4/27/11	1029
1031		Prepare Preliminary RTCs on Draft PP/Draft RAP for Site 24	28 edays	Wed 4/27/11	Wed 5/25/11	1030
1032		Meeting to Discuss Preliminary RTCs on Draft PP/Draft RAP for Site 24	1 eday	Wed 5/25/11	Thu 5/26/11	1031
1033		Prepare Internal Final PP/Draft RAP for Site 24	30 edays	Thu 5/26/11	Sat 6/25/11	1032
1034		Navy Review of Internal Final PP/Draft RAP for Site 24	10 edays	Sat 6/25/11	Tue 7/5/11	1033
1035		Prepare Final PP/Draft RAP for Site 24	14 edays	Tue 7/5/11	Tue 7/19/11	1034
1036		Public Notice of PP/Draft RAP for Site 24	0 edays	Tue 7/19/11	Tue 7/19/11	1035
1037		Public Comment Period for PP/Draft RAP for Site 24	30 edays	Tue 7/19/11	Thu 8/18/11	1036

All start and finish dates on Saturday or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
1038		Finalize Administrative Record for PP/Draft RAP for Site 24	0 days	Thu 8/18/11	Thu 8/18/11	1037
1039		Public Meeting for PP/Draft RAP for Site 24	1 eday	Wed 8/3/11	Thu 8/4/11	1037SS+15 edays
1040		ROD/RAP FOR SITE 24	326 days	Fri 10/29/10	Mon 9/19/11	
1041		Prepare Internal Draft ROD/RAP for Site 24	90 edays	Fri 10/29/10	Thu 1/27/11	
1042		Navy Technical Review of Internal Draft ROD/RAP for Site 24	32 edays	Thu 1/27/11	Mon 2/28/11	1041
1043		Incorporate Navy Technical Comments on Internal Draft ROD/RAP for Site 24	14 edays	Mon 2/28/11	Mon 3/14/11	1042
1044		Navy Legal Review of Internal Draft ROD/RAP for Site 24	30 edays	Mon 3/14/11	Wed 4/13/11	1043
1045		Prepare Draft ROD/RAP for Site 24	14 edays	Wed 4/13/11	Wed 4/27/11	1044
1046		Agency Review of Draft ROD/RAP for Site 24	30 edays	Wed 4/27/11	Fri 5/27/11	1045
1047		Prepare Preliminary RTCs on Draft ROD/RAP for Site 24	28 edays	Fri 5/27/11	Fri 6/24/11	1046
1048		Meeting to Discuss Preliminary RTCs on Draft ROD/RAP for Site 24	0 edays	Fri 6/24/11	Fri 6/24/11	1047
1049		Prepare Internal Final ROD/RAP for Site 24	31 edays	Fri 6/24/11	Mon 7/25/11	1048
1050		Navy Review of Internal Final ROD/RAP for Site 24	10 edays	Mon 7/25/11	Thu 8/4/11	1049
1051		Prepare Final ROD/RAP for Site 24	14 edays	Thu 8/4/11	Thu 8/18/11	1050
1052		ROD/RAP Signature for Site 24	33 days	Thu 8/18/11	Mon 9/19/11	1051
1053		Public Notice of Signing ROD/RAP for Site 24	0 edays	Mon 9/19/11	Mon 9/19/11	1052
1054		REMEDIAL DESIGN FOR SITE 24	311 days	Thu 6/2/11	Sun 4/8/12	
1055		Navy to award contract for Site 24 Remedial Design	60 edays	Thu 6/2/11	Mon 8/1/11	1049SS-24 days
1056		Internal Draft RD for Site 24	90 edays	Mon 8/1/11	Sun 10/30/11	1049,1055
1057		BCT Scoping Meeting for Site 24 RD	0 days	Thu 9/1/11	Thu 9/1/11	1056SS+31 edays
1058		Navy Review of Internal Draft RD for Site 24	32 edays	Sun 10/30/11	Thu 12/1/11	1056
1059		Draft RD for Site 24	14 edays	Thu 12/1/11	Thu 12/15/11	1058
1060		Agency Review of Draft RD for Site 24	30 edays	Thu 12/15/11	Sat 1/14/12	1059
1061		Preliminary RTCs on Draft RD for Site 24	28 edays	Sat 1/14/12	Sat 2/11/12	1060
1062		Meeting to Discuss Preliminary RTCs on Draft RD for Site 24	1 eday	Sat 2/11/12	Sun 2/12/12	1061
1063		Internal Final for Site 24 RD	32 edays	Sun 2/12/12	Thu 3/15/12	1062
1064		Navy Review of Internal Final for Site 24 RD	10 edays	Thu 3/15/12	Sun 3/25/12	1063
1065		Final RD for Site 24	14 edays	Sun 3/25/12	Sun 4/8/12	1064
1066		REMEDIAL ACTION FOR SITE 24	2175 days	Sun 2/12/12	Fri 1/26/18	
1067		Navy to Award Contract for Remedial Action at Site 24	60 edays	Sun 2/12/12	Thu 4/12/12	1063SS
1068		Remediation Field Work Site 24/Groundwater Monitoring	1825 edays	Thu 4/12/12	Tue 4/11/17	1067
1069		FIVE YEAR REVIEW (IF NEEDED)	290 edays	Tue 4/11/17	Fri 1/26/18	1068
1070		REMEDIAL ACTION REPORTS FOR SITE 24	142 days	Tue 4/11/17	Thu 8/31/17	

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NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1071		Internal Draft RA Reports for Site 24	30 edays	Tue 4/11/17	Thu 5/11/17	1068
1072		BCT Scoping Meeting for Site 24 RA Reports	0 days	Thu 5/11/17	Thu 5/11/17	1071SS+30 edays
1073		Navy Review of Internal Draft RA Reports for Site 24	14 edays	Thu 5/11/17	Thu 5/25/17	1071
1074		Draft RA Reports for Site 24	7 edays	Thu 5/25/17	Thu 6/1/17	1073
1075		Agency Review of Site 24 Draft RA Reports	30 edays	Thu 6/1/17	Sat 7/1/17	1074
1076		Internal Final RA Reports for Site 24	33 edays	Sat 7/1/17	Thu 8/3/17	1075
1077		Navy Review of Internal Final RA Reports for Site 24	14 edays	Thu 8/3/17	Thu 8/17/17	1076
1078		Final RA Reports for Site 24	14 edays	Thu 8/17/17	Thu 8/31/17	1077
1079		SITE COMPLETION FOR SITE 24	30 edays	Thu 8/31/17	Sat 9/30/17	1078

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 or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1080		SITE 27	3617 days	Wed 5/7/03	Tue 10/15/13	
1081		FEASIBILITY STUDY FOR SITE 27	1193 days	Wed 5/7/03	Sun 2/25/07	
1099		ADDITIONAL INVESTIGATION AT SITE 27	792 days	Fri 4/28/06	Fri 6/27/08	
1117		FEASIBILITY STUDY (Rev 2)	776 days	Fri 6/27/08	Fri 8/13/10	
1127		SITE 27 BOUNDARY CHANGE LETTER	140 days	Sat 4/3/10	Fri 8/20/10	2973FF
1128		PP/DRAFT RAP FOR SITE 27	731 days	Wed 7/1/09	Sat 7/2/11	
1129		Navy to award contract for Site 27 PP/Draft RAP and ROD	78 edays	Wed 7/1/09	Thu 9/17/09	
1130		Prepare Internal Draft PP/Draft RAP for Site 27	90 edays	Mon 8/16/10	Sun 11/14/10	
1131		BCT Scoping Meeting for PP/ROD/RAP for Site 27	0 edays	Sun 11/14/10	Sun 11/14/10	1130
1132		Navy Technical Review of Internal Draft PP/Draft RAP for Site 27	45 edays	Sun 11/14/10	Wed 12/29/10	1130
1133		Incorporate Navy Technical Comments on Internal Draft PP/Draft RAP for Site 27	14 edays	Wed 12/29/10	Wed 1/12/11	1132
1134		Navy Legal Review of Internal Draft PP/Draft RAP for Site 27	15 edays	Wed 1/12/11	Thu 1/27/11	1133
1135		Prepare Draft PP/Draft RAP for Site 27	14 edays	Thu 1/27/11	Thu 2/10/11	1134
1136		Agency Review of Draft PP/Draft RAP for Site 27	30 edays	Thu 2/10/11	Sat 3/12/11	1135
1137		Prepare Preliminary RTCs on Draft PP/Draft RAP for Site 27	21 edays	Sat 3/12/11	Sat 4/2/11	1136
1138		Navy Review of Preliminary RTCs on Draft PP/Draft RAP for Site 27	7 edays	Sat 4/2/11	Sat 4/9/11	1137
1139		BCT RTC Meeting for Draft PP/Draft RAP for Site 27	0 edays	Sat 4/9/11	Sat 4/9/11	1138
1140		Prepare Internal Final PP/Draft RAP for Site 27	30 edays	Sat 4/9/11	Mon 5/9/11	1139
1141		Navy Review of Internal Final PP/Draft RAP for Site 27	10 edays	Mon 5/9/11	Thu 5/19/11	1140
1142		Prepare Final PP/Draft RAP for Site 27	14 edays	Thu 5/19/11	Thu 6/2/11	1141
1143		Public Notice of Final PP/Draft RAP for Site 27	0 edays	Thu 6/2/11	Thu 6/2/11	1142
1144		Public Comment Period for Final PP/Draft RAP for Site 27	30 edays	Thu 6/2/11	Sat 7/2/11	1143
1145		Finalize Administrative Record for Final PP/Draft RAP for Site 27	0 edays	Thu 6/2/11	Thu 6/2/11	1142
1146		Public Meeting for Final PP/Draft RAP for Site 27	0 edays	Thu 6/16/11	Thu 6/16/11	1144SS+15 days
1147		ROD/RAP FOR SITE 27	320 days	Mon 5/9/11	Sat 3/24/12	
1148		Prepare Internal Draft ROD/RAP for Site 27	90 edays	Mon 5/9/11	Sun 8/7/11	1141SS
1149		BCT Scoping Meeting for Site 27 ROD/RAP	0 edays	Thu 6/9/11	Thu 6/9/11	1148SS+31 edays
1150		Navy Technical Review of Internal Draft ROD/RAP for Site 27	29 edays	Sun 8/7/11	Mon 9/5/11	1148
1151		Incorporate Navy Technical Comments on Internal Draft ROD/RAP for Site 27	14 edays	Mon 9/5/11	Mon 9/19/11	1150
1152		Navy Legal Review of Internal Draft ROD/RAP for Site 27	31 edays	Mon 9/19/11	Thu 10/20/11	1151
1153		Prepare Draft ROD/RAP for Site 27	14 edays	Thu 10/20/11	Thu 11/3/11	1152
1154		Agency Review of Draft ROD/RAP for Site 27	30 edays	Thu 11/3/11	Sat 12/3/11	1153
1155		Prepare Preliminary RTCs on Draft ROD/RAP for Site 27	28 edays	Sat 12/3/11	Sat 12/31/11	1154

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
1156		Meeting to Discuss Preliminary RTCs on Draft ROD/RAP for Site 27	0 edays	Sat 12/31/11	Sat 12/31/11	1155
1157		Prepare Internal Final ROD/RAP for Site 27	30 edays	Sat 12/31/11	Mon 1/30/12	1156
1158		Navy Review of Internal Final ROD/RAP for Site 27	10 edays	Mon 1/30/12	Thu 2/9/12	1157
1159		Prepare Final ROD/RAP for Site 27	14 edays	Thu 2/9/12	Thu 2/23/12	1158
1160		ROD/RAP Signature for Site 27	30 edays	Thu 2/23/12	Sat 3/24/12	1159
1161		Public Notice of Signing ROD/RAP for Site 27	0 edays	Sat 3/24/12	Sat 3/24/12	1160
1162		REMEDIAL DESIGN FOR SITE 27	307 days	Sat 12/31/11	Fri 11/2/12	
1163		Navy to award contract for Site 27 Remedial Design	60 edays	Sat 12/31/11	Wed 2/29/12	1157SS
1164		Internal Draft RD for Site 27	90 edays	Wed 2/29/12	Tue 5/29/12	1163,1157
1165		BCT Scoping Meeting Site 27 RD	1 eday	Fri 3/30/12	Sat 3/31/12	1164SS+30 edays
1166		Navy Review of Internal Draft RD for Site 27	30 edays	Tue 5/29/12	Thu 6/28/12	1164
1167		Draft RD for Site 27	14 edays	Thu 6/28/12	Thu 7/12/12	1166
1168		Agency Review of Draft RD for Site 27	30 edays	Thu 7/12/12	Sat 8/11/12	1167
1169		Preliminary RTCs on Draft Site 27 RD	28 edays	Sat 8/11/12	Sat 9/8/12	1168
1170		Meeting to Discuss Preliminary RTCs on Draft Site 27 RD	1 eday	Sat 9/8/12	Sun 9/9/12	1169
1171		Internal Final for Site 27 RD	30 edays	Sun 9/9/12	Tue 10/9/12	1170
1172		Navy Review of Internal Final for Site 27 RD	14 edays	Tue 10/9/12	Tue 10/23/12	1171
1173		Final RD for Site 27	10 edays	Tue 10/23/12	Fri 11/2/12	1172
1174		REMEDIAL ACTION FOR SITE 27	377 days	Mon 9/3/12	Sun 9/15/13	
1175		Navy to award contract for Site 27 Remedial Action	60 edays	Mon 9/3/12	Fri 11/2/12	1173FS-60 edays
1176		Remediation Field Work Site 27	175 edays	Fri 11/2/12	Fri 4/26/13	1173
1177		REMEDIAL ACTION REPORTS FOR SITE 27	142 days	Fri 4/26/13	Sun 9/15/13	
1178		Internal Draft RA Reports for Site 27	30 edays	Fri 4/26/13	Sun 5/26/13	1176
1179		BCT Scoping Meeting for Site 27 RA Reports	0 days	Sat 5/11/13	Sat 5/11/13	1178SS+15 edays
1180		Navy Review of Internal Draft RA Reports for Site 27	14 edays	Sun 5/26/13	Sun 6/9/13	1178
1181		Draft RA Reports for Site 27	7 edays	Sun 6/9/13	Sun 6/16/13	1180
1182		Agency Review of Site 27 Draft RA Reports	30 edays	Sun 6/16/13	Tue 7/16/13	1181
1183		Internal Final RA Reports for Site 27	33 edays	Tue 7/16/13	Sun 8/18/13	1182
1184		Navy Review of Internal Final RA Reports for Site 27	14 edays	Sun 8/18/13	Sun 9/1/13	1183
1185		Final RA Reports for Site 27	14 edays	Sun 9/1/13	Sun 9/15/13	1184
1186		SITE COMPLETION FOR SITE 27	30 edays	Sun 9/15/13	Tue 10/15/13	1185

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
1187		SITE 28	2548 days	Thu 12/2/04	Sat 12/24/11	
1188		REMEDIAL INVESTIGATION FOR SITES 8, 28, 29	1550 days	Thu 12/2/04	Wed 4/1/09	
1212		NFA PP/DRAFT RAP FOR SITE 28	1031 days	Thu 8/2/07	Sat 5/29/10	
1229		NFA ROD/RAP FOR SITE 28	268 days	Thu 4/1/10	Fri 12/24/10	
1230		Prepare Internal Draft NFA ROD/RAP for Site 28	40 edays	Thu 4/1/10	Tue 5/11/10	
1231		Navy Technical Review of Internal Draft NFA ROD/RAP for Site 28	14 edays	Tue 5/11/10	Tue 5/25/10	1230
1232		Incorporate Navy Technical Comments on Internal Draft NFA ROD/RAP for Site 28	24 edays	Tue 5/25/10	Fri 6/18/10	1231
1233		Navy Legal Review of Internal Draft NFA ROD/RAP for Site 28	14 edays	Fri 6/18/10	Fri 7/2/10	1232
1234		Prepare Draft NFA ROD/RAP for Site 28	20 edays	Fri 7/2/10	Thu 7/22/10	1233
1235		Agency Review of Draft NFA ROD/RAP for Site 28	32 edays	Thu 7/22/10	Mon 8/23/10	
1236		Prepare Preliminary RTCs on Draft NFA ROD/RAP for Site 28	51 edays	Mon 8/23/10	Wed 10/13/10	1235
1237		Meeting to Discuss Preliminary RTCs on Draft NFA ROD/RAP for Site 28	0 edays	Wed 10/27/10	Wed 10/27/10	1236
1238		Prepare Internal Final NFA ROD/RAP for Site 28	7 edays	Wed 10/27/10	Wed 11/3/10	1237
1239		Navy Review of Internal Final NFA ROD/RAP for Site 28	7 edays	Wed 11/3/10	Wed 11/10/10	1238
1240		Prepare Final NFA ROD/RAP for Site 28	14 edays	Wed 11/10/10	Wed 11/24/10	1239
1241		NFA ROD/RAP Signature for Site 28	30 days	Thu 11/25/10	Fri 12/24/10	1240
1242		Public Notice of Signing NFA ROD/RAP for Site 28	0 edays	Fri 12/24/10	Fri 12/24/10	1241
1243		SITE COMPLETION FOR SITE 28 (1 year allocated for transfer/tidelands trust exchange)	365 edays	Fri 12/24/10	Sat 12/24/11	1242

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1244		SITE 29	5375 days	Tue 4/19/05	Sun 1/5/20	
1245		REMEDIAL INVESTIGATION FOR SITES 8 & 29	1438 days	Tue 4/19/05	Fri 3/27/09	
1269		SITE 29 (ON-OFF RAMPS) BOUNDARY CHANGE LETTER	264 edays	Wed 3/24/10	Mon 12/13/10	2981FF
1270		CALTRANS BRIDGE CONSTRUCTION PROJECT	2523 days	Mon 11/3/08	Wed 9/30/15	
1271		REMAINING CERCLA ITEMS (IF NECESSARY)	1558 days	Wed 9/30/15	Sun 1/5/20	
1272		SITES 8 & 29 RI ADDENDUM (IF NECESSARY)	186 days	Wed 9/30/15	Sun 4/3/16	
1283		FEASIBILITY STUDY FOR SITES 8 & 29 (IF NECESSARY)	350 days	Tue 2/9/16	Tue 1/24/17	
1297		PP/DRAFT RAP FOR SITES 8 & 29	320 days	Sat 12/31/16	Thu 11/16/17	
1314		ROD/RAP FOR SITES 8 & 29	320 days	Sat 9/23/17	Thu 8/9/18	
1329		REMEDIAL DESIGN FOR SITES 8 & 29 (IF NECESSARY)	276 days	Thu 5/17/18	Sun 2/17/19	
1341		REMEDIAL ACTION FOR SITES 8 & 29 (IF NECESSARY)	292 days	Sun 2/17/19	Fri 12/6/19	
1352		SITE COMPLETION FOR SITES 8 & 29	30 edays	Fri 12/6/19	Sun 1/5/20	1351

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1353		SITE 30	4363 days	Sun 3/16/03	Wed 9/9/15	
1354		SITE 30 DATA AND FIELD ACTIVITY REPORT	108 days	Sun 3/16/03	Mon 7/28/03	
1360		GROUNDWATER MONITORING FOR SITES 30/31	160 days	Thu 1/1/04	Thu 8/12/04	
1373		REMEDIAL INVESTIGATION FOR SITE 30	519 days	Thu 7/8/04	Fri 2/17/06	
1387		FEASIBILITY STUDY FOR SITE 30	498 days	Mon 7/4/05	Tue 11/14/06	
1401		PP FOR SITE 30	804 days	Sun 8/6/06	Sat 10/18/08	
1420		ROD/RAP FOR SITE 30	623 days	Wed 1/30/08	Tue 10/13/09	
1434		SITE 30 LAND USE CONTROL WORK PLAN	651 days	Wed 2/11/09	Wed 11/24/10	
1435		Prepare Internal Draft Site 30 Land Use Control Work Plan	68 edays	Wed 2/11/09	Mon 4/20/09	1426
1436		Navy Technical Review Internal Draft Site 30 Land Use Control Work Plan	11 edays	Mon 4/20/09	Fri 5/1/09	1435
1437		Revise Internal Draft Site 30 Land Use Control Work Plan	41 edays	Fri 5/1/09	Thu 6/11/09	1436
1438		Navy Legal Review Internal Draft Site 30 Land Use Control Work Plan	30 edays	Thu 6/11/09	Sat 7/11/09	1437
1439		Prepare Draft Site 30 Land Use Work Plan	235 edays	Sat 7/11/09	Wed 3/3/10	1438
1440		Agency Review Draft Site 30 Land Use Control Work Plan	79 edays	Wed 3/3/10	Fri 5/21/10	1439,1431FS+5 edays
1441		Prepare Preliminary Responses to Agency Comments on Draft Site 30 Land Use Control Work Plan	77 edays	Fri 5/21/10	Fri 8/6/10	1440
1442		Prepare Internal Final Site 30 Land Use Control Work Plan	21 edays	Fri 8/6/10	Fri 8/27/10	1441
1443		Navy Review Internal Final Site 30 Land Use Control Work Plan	21 edays	Fri 8/27/10	Fri 9/17/10	1442
1444		Prepare Final Site 30 Land Use Control Work Plan	68 edays	Fri 9/17/10	Wed 11/24/10	1443
1445		2010 SITE 30 LUC INSPECTION AND REPORTING	93 days	Wed 11/24/10	Fri 2/25/11	
1446		Prepare Draft 2010 Site 30 LUC Inspection Report	21 edays	Wed 11/24/10	Wed 12/15/10	1444
1447		Navy Review Draft 2010 Site 30 LUC Inspection Report	14 edays	Wed 12/15/10	Wed 12/29/10	1446
1448		2010 Site 30 LUC Inspection BCT Presentation	0 days	Wed 12/1/10	Wed 12/1/10	1447SS-14 edays
1449		Prepare Draft 2010 Site 30 LUC Inspection Report	14 edays	Wed 12/29/10	Wed 1/12/11	1447
1450		Agency Review Draft 2010 Site 30 LUC Inspection Report	30 edays	Wed 1/12/11	Fri 2/11/11	1449
1451		Prepare Responses to Agency Comments and Final 2010 Site 30 LUC Inspection Report	14 edays	Fri 2/11/11	Fri 2/25/11	1450
1452		BCT Meeting Presentation Final 2010 Site 30 LUC Inspection Report	0 edays	Fri 2/25/11	Fri 2/25/11	1451
1453		2011 SITE 30 LUC INSPECTION AND REPORTING	93 days	Thu 11/24/11	Sat 2/25/12	
1454		Prepare Draft 2011 Site 30 LUC Inspection Report	21 edays	Thu 11/24/11	Thu 12/15/11	1446SS+365 edays
1455		Navy Review Draft 2011 Site 30 LUC Inspection Report	14 edays	Thu 12/15/11	Thu 12/29/11	1454
1456		2011 Site 30 LUC Inspection BCT Presentation	0 days	Sat 12/10/11	Sat 12/10/11	1455SS-5 edays
1457		Prepare Draft 2011 Site 30 LUC Inspection Report	14 edays	Thu 12/29/11	Thu 1/12/12	1455
1458		Agency Review Draft 2011 Site 30 LUC Inspection Report	30 edays	Thu 1/12/12	Sat 2/11/12	1457
1459		Prepare Responses to Agency Comments and Final 2011 Site 30 LUC Inspection Report	14 edays	Sat 2/11/12	Sat 2/25/12	1458

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
1460		BCT Meeting Presentation Final 2011 Site 30 LUC Inspection Report	0 edays	Sat 2/25/12	Sat 2/25/12	1459
1461		2012 SITE 30 LUC INSPECTION AND REPORTING	153 days	Mon 9/24/12	Sun 2/24/13	
1462		Navy Award Contract for 2012 - 2014/Five Year Review	60 days	Mon 9/24/12	Thu 11/22/12	1454SS+305 edays
1463		Prepare Draft 2012 Site 30 LUC Inspection Report	21 edays	Fri 11/23/12	Fri 12/14/12	1454SS+365 edays
1464		Navy Review Draft 2012 Site 30 LUC Inspection Report	14 edays	Fri 12/14/12	Fri 12/28/12	1463
1465		2012 Site 30 LUC Inspection BCT Presentation	0 days	Sat 12/15/12	Sat 12/15/12	1464SS+1 eday
1466		Prepare Draft 2012 Site 30 LUC Inspection Report	14 edays	Fri 12/28/12	Fri 1/11/13	1464
1467		Agency Review Draft 2012 Site 30 LUC Inspection Report	30 edays	Fri 1/11/13	Sun 2/10/13	1466
1468		Prepare Responses to Agency Comments and Final 2012 Site 30 LUC Inspection Report	14 edays	Sun 2/10/13	Sun 2/24/13	1467
1469		BCT Meeting Presentation Final 2012 Site 30 LUC Inspection Report	0 edays	Sun 2/24/13	Sun 2/24/13	1468
1470		2013 SITE 30 LUC INSPECTION AND REPORTING	93 days	Sat 11/23/13	Mon 2/24/14	
1471		Prepare Draft 2013 Site 30 LUC Inspection Report	21 edays	Sat 11/23/13	Sat 12/14/13	1463SS+365 edays
1472		Navy Review Draft 2013 Site 30 LUC Inspection Report	14 edays	Sat 12/14/13	Sat 12/28/13	1471
1473		2013 Site 30 LUC Inspection BCT Presentation	0 days	Sat 12/14/13	Sat 12/14/13	1472SS
1474		Prepare Draft 2013 Site 30 LUC Inspection Report	14 edays	Sat 12/28/13	Sat 1/11/14	1472
1475		Agency Review Draft 2013 Site 30 LUC Inspection Report	30 edays	Sat 1/11/14	Mon 2/10/14	1474
1476		Prepare Responses to Agency Comments and Final 2013 Site 30 LUC Inspection Report	14 edays	Mon 2/10/14	Mon 2/24/14	1475
1477		BCT Meeting Presentation Final 2013 Site 30 LUC Inspection Report	0 edays	Mon 2/24/14	Mon 2/24/14	1476
1478		2014 SITE 30 LUC INSPECTION AND REPORTING/FIVE-YEAR REVIEW	290 days	Sun 11/23/14	Wed 9/9/15	
1479		Prepare Draft 2014 Site 30 LUC Inspection Report/Five Year Review	90 edays	Sun 11/23/14	Sat 2/21/15	1471SS+365 edays
1480		Navy Review Draft 2014 Site 30 LUC Inspection Report/Five Year Review	30 edays	Sat 2/21/15	Mon 3/23/15	1479
1481		Incorporate Navy Technical Review Comments Internal Draft 2014 Site 30 LUC Inspection Report/Five Year Review	14 edays	Mon 3/23/15	Mon 4/6/15	1480
1482		Navy Legal Review of Internal Draft 2014 Site 30 LUC Inspection Report/Five Year Review	30 edays	Mon 4/6/15	Wed 5/6/15	1481
1483		2014 Site 30 LUC Inspection/Five Year Review BCT Presentation	0 days	Sat 5/9/15	Sat 5/9/15	1482FS+3 edays
1484		Prepare Draft 2014 Site 30 LUC Inspection Report/Five Year Review	14 edays	Wed 5/6/15	Wed 5/20/15	1482
1485		Agency Review Draft 2014 Site 30 LUC Inspection Report/Five Year Review	30 edays	Wed 5/20/15	Fri 6/19/15	1484
1486		Prepare Responses to Agency Comments and Final 2014 Site 30 LUC Inspection Report/Five Year Review	28 edays	Fri 6/19/15	Fri 7/17/15	1485
1487		BCT Meeting Presentation Final 2014 Site 30 LUC Inspection Report/Five Year Review	0 edays	Fri 7/17/15	Fri 7/17/15	1486
1488		Internal Final 2014 Site 30 LUC Inspection Report/Five Year Review	30 edays	Fri 7/17/15	Sun 8/16/15	1486
1489		Navy Review of Internal Final 2014 Site 30 LUC Inspection Report/Five Year Review	10 edays	Sun 8/16/15	Wed 8/26/15	1488
1490		Finalize 2014 Site 30 LUC Inspection Report/Five Year Review	14 edays	Wed 8/26/15	Wed 9/9/15	1489
1491		SITE COMPLETION FOR SITE 30	30 edays	Wed 11/24/10	Fri 12/24/10	1444

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1492		SITE 31 / 33	2961 days	Wed 6/11/03	Sat 1/21/12	
1493		ADDITIONAL INVESTIGATION FOR SITE 31	67 days	Wed 6/11/03	Fri 9/12/03	
1505		GROUNDWATER MONITORING FOR SITES 30/31 (See Site 30 for complete schedule)	155 days	Thu 1/1/04	Thu 8/5/04	
1518		REMEDIAL INVESTIGATION FOR SITE 31	666 days	Thu 7/8/04	Fri 7/14/06	
1541		FEASIBILITY STUDY FOR SITE 31	600 days	Wed 7/20/05	Tue 3/13/07	
1555		PP FOR SITE 31	804 days	Sun 8/6/06	Sat 10/18/08	
1574		ROD/RAP FOR SITE 31	629 days	Wed 1/23/08	Tue 10/13/09	
1587		REMEDIAL ACTION WORK PLAN AND REMEDIAL ACTION FOR SITE 31	575 days	Wed 7/2/08	Thu 1/28/10	
1600		REMEDIAL ACTION FOR SITE 31	689 days	Mon 2/1/10	Thu 12/22/11	
1601		REMEDIATION FIELD WORK SITE 31	562 days	Mon 2/1/10	Wed 8/17/11	
1602		Site 31 Field Work (Phase 1)	162 edays	Mon 2/1/10	Tue 7/13/10	1599FS+4 edays
1603		Explanation of Significant Differences (ESD) for Site 31 ROD/RAP to include Site 33	296 days	Sat 6/5/10	Mon 3/28/11	
1604		Internal Draft ESD for Site 31/33	117 edays	Sat 6/5/10	Thu 9/30/10	
1605		Navy Review of Internal Draft ESD for Site 31/33	25 edays	Thu 9/30/10	Mon 10/25/10	1604
1606		Revise Internal Draft ESD for Site 31/33	14 edays	Mon 10/25/10	Mon 11/8/10	1605
1607		Navy Legal Review of Internal Draft ESD for Site 31/33	14 edays	Mon 11/8/10	Mon 11/22/10	1606
1608		Draft ESD for Site 31/33	14 edays	Mon 11/22/10	Mon 12/6/10	1607
1609		Agency Review of Draft ESD for Site 31/33	30 edays	Mon 12/6/10	Wed 1/5/11	1608
1610		RTCs for Draft ESD for Site 31/33	28 edays	Wed 1/5/11	Wed 2/2/11	1609
1611		Internal Final ESD for Site 31/33	30 edays	Wed 2/2/11	Fri 3/4/11	1610
1612		Navy Review of Internal Final ESD for Site 31/33	10 edays	Fri 3/4/11	Mon 3/14/11	1611
1613		Final ESD for Site 31/33	14 edays	Mon 3/14/11	Mon 3/28/11	1612
1614		Site 31 Phase 2 Remedial Action Field Work Plan (Including Site 33)	290 days	Sat 7/3/10	Tue 4/19/11	
1615		Navy Award Contract for RA Work Plan for Site 31	60 edays	Sat 7/3/10	Wed 9/1/10	
1616		Internal Draft RA Work Plan for Site 31	44 edays	Wed 9/1/10	Fri 10/15/10	1615
1617		Navy Review of Internal Draft RA Work Plan for Site 31	21 edays	Fri 10/15/10	Fri 11/5/10	1616
1618		Revise Internal Draft RA Work Plan for Site 31	7 edays	Fri 11/5/10	Fri 11/12/10	1617
1619		Navy RASO Review Internal Draft RA Work Plan for Site 31	60 edays	Fri 11/12/10	Tue 1/11/11	1618
1620		Draft RA Work Plan for Site 31	7 edays	Tue 1/11/11	Tue 1/18/11	1619
1621		Agency Review of Site 31 Draft RA Work Plan	30 edays	Tue 1/18/11	Thu 2/17/11	1620
1622		Internal Final RA Work Plan for Site 31	33 edays	Thu 2/17/11	Tue 3/22/11	1621
1623		Navy Review of Internal Final RA Work Plan for Site 31	14 edays	Tue 3/22/11	Tue 4/5/11	1622

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID	Task Name	Duration	Start	Finish	Pred
1624	Final RA Work Plan for Site 31	14 edays	Tue 4/5/11	Tue 4/19/11	1623
1625	Site 31 Field Work (Phase 2) (Including Site 33)	120 edays	Tue 4/19/11	Wed 8/17/11	1624
1626	REMEDIAL ACTION COMPLETION REPORT (RACR) FOR SITES 31/33	127 days	Wed 8/17/11	Thu 12/22/11	
1627	Internal Draft RACR for Sites 31/33	30 edays	Wed 8/17/11	Fri 9/16/11	1625
1628	BCT Working Meeting for Sites 31/33 RACR	0 days	Thu 9/1/11	Thu 9/1/11	1627SS+15 edays
1629	Navy Review of Internal Draft RACR for Sites 31/33	14 edays	Thu 9/1/11	Thu 9/15/11	1628
1630	Draft RACR for Sites 31/33	7 edays	Thu 9/15/11	Thu 9/22/11	1629
1631	Agency Review of Sites 31/33 Draft RACR	30 edays	Thu 9/22/11	Sat 10/22/11	1630
1632	Internal Final RACR for Sites 31/33	33 edays	Sat 10/22/11	Thu 11/24/11	1631
1633	Navy Review of Internal Final RACR for Sites 31/33	14 edays	Thu 11/24/11	Thu 12/8/11	1632
1634	Final RACR for Sites 31/33	14 edays	Thu 12/8/11	Thu 12/22/11	1633
1635	SITE COMPLETION FOR SITES 31 / 33	30 edays	Thu 12/22/11	Sat 1/21/12	1634

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1636		SITE 32	2944 days	Wed 9/15/04	Tue 11/27/12	
1637		REMEDIAL INVESTIGATION FOR SITE 32	1455 days	Wed 9/15/04	Thu 10/30/08	
1659		PCB SOIL ABATEMENT T111/SITE 32 REMOVAL ACTION (see PCB Program)	958 days	Fri 8/8/08	Wed 3/23/11	
1660		POST-CONSTRUCTION HHRA REVIEW	141 edays	Tue 4/13/10	Wed 9/1/10	
1661		PP/DRAFT RAP FOR SITE 32	320 days	Wed 3/23/11	Mon 2/6/12	
1662		Prepare Internal Draft PP/Draft RAP for Site 32	90 edays	Wed 3/23/11	Tue 6/21/11	2101
1663		BCT Scoping Meeting for Site 32 PP/ROD/RAP	0 edays	Fri 4/22/11	Fri 4/22/11	1662SS+30 edays
1664		Navy Technical Review of Internal Draft PP/Draft RAP for Site 32	30 edays	Tue 6/21/11	Thu 7/21/11	1662,1663
1665		Incorporate Navy Technical Review Comments on Internal Draft PP/Draft RAP for Site 32	14 edays	Thu 7/21/11	Thu 8/4/11	1664
1666		Navy Legal Review of Internal Draft PP/Draft RAP for Site 32	30 edays	Thu 8/4/11	Sat 9/3/11	1665
1667		Prepare Draft PP/Draft RAP for Site 32	14 edays	Sat 9/3/11	Sat 9/17/11	1666
1668		Agency Review of Draft PP/Draft RAP for Site 32	30 edays	Sat 9/17/11	Mon 10/17/11	1667
1669		Prepare Preliminary RTCs for Draft PP/Draft RAP for Site 32	28 edays	Mon 10/17/11	Mon 11/14/11	1668
1670		Meeting to Discuss Preliminary RTCs for Draft PP/Draft RAP for Site 32	0 edays	Mon 11/14/11	Mon 11/14/11	1669
1671		Prepare Internal Final PP/Draft RAP for Site 32	30 edays	Mon 11/14/11	Wed 12/14/11	1670
1672		Navy Review of Internal Final PP/Draft RAP for Site 32	10 edays	Wed 12/14/11	Sat 12/24/11	1671
1673		Prepare Final PP/Draft RAP for Site 32	14 edays	Sat 12/24/11	Sat 1/7/12	1672
1674		Public Notice for Final PP/Draft RAP for Site 32	0 days	Sat 1/7/12	Sat 1/7/12	1673
1675		Public Comment Period for Final PP/Draft RAP for Site 32	30 edays	Sat 1/7/12	Mon 2/6/12	1674
1676		Finalize Administrative Record for Final PP/Draft RAP for Site 32	0 days	Mon 2/6/12	Mon 2/6/12	1675
1677		Public Meeting for Final PP/Draft RAP for Site 32	0 edays	Mon 2/6/12	Mon 2/6/12	1676
1678		ROD/RAP FOR SITE 32	320 days	Wed 12/14/11	Sun 10/28/12	
1679		Prepare Internal Draft ROD/RAP for Site 32	90 edays	Wed 12/14/11	Tue 3/13/12	1672SS
1680		BCT Scoping Meeting for Site 32 ROD/RAP	0 edays	Fri 1/13/12	Fri 1/13/12	1679SS+30 edays
1681		Navy Technical Review of Internal Draft ROD/RAP for Site 32	30 edays	Tue 3/13/12	Thu 4/12/12	1679
1682		Incorporate Navy Technical Comments on Internal Draft ROD/RAP for Site 32	14 edays	Thu 4/12/12	Thu 4/26/12	1681
1683		Navy Legal Review of Internal Draft ROD/RAP for Site 32	30 edays	Thu 4/26/12	Sat 5/26/12	1682
1684		Prepare Draft ROD/RAP for Site 32	14 edays	Sat 5/26/12	Sat 6/9/12	1683
1685		Agency Review of Draft ROD/RAP for Site 32	30 edays	Sat 6/9/12	Mon 7/9/12	1684
1686		Preliminary RTCs for Draft ROD/RAP for Site 32	28 edays	Mon 7/9/12	Mon 8/6/12	1685
1687		Meeting to Discuss Preliminary RTCs for Draft ROD/RAP for Site 32	0 edays	Mon 8/6/12	Mon 8/6/12	1686
1688		Prepare Internal Final ROD/RAP for Site 32	30 edays	Mon 8/6/12	Wed 9/5/12	1687
1689		Navy Review of Internal Final ROD/RAP for Site 32	10 edays	Wed 9/5/12	Sat 9/15/12	1688

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1690		Prepare Final ROD/RAP for Site 32	14 edays	Sat 9/15/12	Sat 9/29/12	1689
1691		ROD/RAP Signature for Site 32	30 days	Sat 9/29/12	Sun 10/28/12	1690
1692		Public Notice of Signing ROD/RAP for Site 32	0 edays	Sun 10/28/12	Sun 10/28/12	1691
1693		SITE COMPLETION FOR SITE 32	30 edays	Sun 10/28/12	Tue 11/27/12	1692

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1694		SITE 33	2838 days	Tue 12/2/03	Sat 1/21/12	
1695		REMEDIAL INVESTIGATION FOR SITE 33	2208 days	Tue 12/2/03	Fri 4/30/10	
1726		SITE COMPLETION FOR SITE 33 (SEE SITE 31)	0 edays	Sat 1/21/12	Sat 1/21/12	1635

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NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1727		PETROLEUM PROGRAM	5407 days	Wed 6/26/02	Tue 12/12/17	
1728		SITE 4/19 - Closed	248 days	Wed 2/5/03	Wed 12/17/03	
1738		SITES 14/22 - Closed	877 days	Wed 6/26/02	Mon 7/18/05	
1755		SITE 15 - Closed	454 days	Tue 2/4/03	Tue 9/28/04	
1773		SITE 16 - Closed	228 days	Sat 8/2/03	Thu 6/17/04	
1782		SITE 20 - Closed	285 days	Tue 5/13/03	Thu 6/17/04	
1792		Site 227 - Closed	173 days	Sat 1/24/04	Tue 9/21/04	
1803		UST SITE 180C - Closed	493 days	Sun 2/15/04	Tue 10/11/05	
1811		F2A/F2B - Closed	647 days	Thu 5/1/03	Mon 8/22/05	
1828		SITE YF2 - Closed	73 days	Tue 3/9/04	Thu 6/17/04	
1835		D1B (3rd Street) Closed	912 days	Thu 5/1/03	Sun 5/14/06	

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1848		SITE 6	3214 days	Tue 4/8/03	Wed 8/8/12	
1849		POST-CONSTRUCTION REPORT FOR SITE 6	261 days	Tue 4/8/03	Thu 4/1/04	
1856		GROUNDWATER MONITORING FOR SITE 6	339 edays	Wed 5/28/03	Sat 5/1/04	
1857		ADDITIONAL INVESTIGATION: SOIL VAPOR SAMPLING	45 edays	Mon 7/12/04	Thu 8/26/04	
1858		CLOSURE SUMMARY REPORT FOR SITE 6	255 days	Sat 3/26/05	Tue 12/6/05	
1865		Receipt of Water Board Letter of Non-Concurrence with NFA at Site 6	0 edays	Mon 5/15/06	Mon 5/15/06	
1866		Site 6 Groundwater Monitoring	210 edays	Thu 6/1/06	Thu 12/28/06	
1867		Prepare Revised Site 6 Boundary Paper	215 edays	Fri 6/23/06	Wed 1/24/07	
1868		Agency Review Revised Site 6 Boundary Paper	86 days	Wed 1/24/07	Thu 4/19/07	1867
1869		Evaluate Site 6 Path Forward	60 edays	Thu 4/19/07	Mon 6/18/07	1868
1870		ADDITIONAL INVESTIGATION USTs 240	464 days	Thu 3/3/11	Sat 6/9/12	
1871		Navy to Award Contract for Additional Investigation of USTs 240	60 edays	Thu 3/3/11	Mon 5/2/11	
1872		Additional Investigation of USTs 240 Work Plan	142 days	Mon 5/2/11	Wed 9/21/11	
1873		Internal Draft Additional Investigation of USTs 240 Work Plan	30 edays	Mon 5/2/11	Wed 6/1/11	1871
1874		Navy Review Internal Draft Additional Investigation of USTs 240 Work Plan	14 edays	Wed 6/1/11	Wed 6/15/11	1873
1875		Draft Additional Investigation of USTs 240 Work Plan	7 edays	Wed 6/15/11	Wed 6/22/11	1874
1876		Agency Review Draft Additional Investigation of USTs 240 Work Plan	30 edays	Wed 6/22/11	Fri 7/22/11	1875
1877		Prepare Internal Final Additional Investigation of USTs 240 Work Plan	33 edays	Fri 7/22/11	Wed 8/24/11	1876
1878		Navy Review Internal Final Additional Investigation of USTs 240 Work Plan	14 edays	Wed 8/24/11	Wed 9/7/11	1877
1879		Prepare Final Additional Investigation of USTs 240 Work Plan	14 edays	Wed 9/7/11	Wed 9/21/11	1878
1880		Additional Investigation of USTs 240 Work Plan Field Work	60 edays	Wed 9/21/11	Sun 11/20/11	1879
1881		Additional Investigation of USTs 240 Post Construction Summary Report (PCSR)	142 days	Tue 12/20/11	Thu 5/10/12	
1882		Internal Draft Additional Investigation of USTs 240 PCSR	30 edays	Tue 12/20/11	Thu 1/19/12	1880FS+30 edays
1883		Navy Review Internal Draft Additional Investigation of USTs 240 PCSR	14 edays	Thu 1/19/12	Thu 2/2/12	1882
1884		Prepare Draft Additional Investigation of USTs 240 PCSR	7 edays	Thu 2/2/12	Thu 2/9/12	1883
1885		Agency Review Draft Additional Investigation of USTs 240 PCSR	30 edays	Thu 2/9/12	Sat 3/10/12	1884
1886		Prepare Internal Final Additional Investigation of USTs 240 PCSR	33 edays	Sat 3/10/12	Thu 4/12/12	1885
1887		Navy Review Internal Final Additional Investigation of USTs 240 PCSR	14 edays	Thu 4/12/12	Thu 4/26/12	1886
1888		Prepare Final Additional Investigation of USTs 240 PCSR	14 edays	Thu 4/26/12	Thu 5/10/12	1887
1889		Receive Water Board Concurrence Letter for Closure of USTs at Site 06 (linked to completion of groundwater monitoring)	30 edays	Thu 5/10/12	Sat 6/9/12	1888
1890		UST 248 CLOSURE	90 days	Thu 5/10/12	Wed 8/8/12	
1891		UST 248 Request for Closure	60 edays	Thu 5/10/12	Mon 7/9/12	148,1888
1892		UST 248 Closure Receive Water Board Concurrence Letter	30 edays	Mon 7/9/12	Wed 8/8/12	1891

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1893		SITE 25	2691 days	Wed 5/28/03	Sat 4/16/11	
1894		OPERATE SVE SYSTEM FOR SITE 25	576 edays	Tue 9/30/03	Thu 4/28/05	
1895		POST-CONSTRUCTION REPORT FOR SITE 25	49 days	Mon 9/1/03	Fri 11/7/03	
1900		GROUNDWATER MONITORING	560 edays	Wed 5/28/03	Wed 12/8/04	
1901		CLOSURE SUMMARY REPORT FOR SITE 25	285 days	Wed 2/16/05	Wed 12/7/05	
1907		Receipt of Water Board Letter of Non-Concurrence with NFA at Site 25	0 edays	Mon 5/15/06	Mon 5/15/06	
1908		Continued Groundwater Monitoring Site 25	607 edays	Mon 4/17/06	Sat 12/15/07	
1909		Remedial Action Confirmation Sampling And Analysis	5 edays	Sun 3/1/09	Fri 3/6/09	
1910		Site 25 Revised Request for NFA Concurrence	299 days	Sun 4/5/09	Fri 1/29/10	
1918		Site 25 Soil Gas Investigation Work Plan	106 days	Tue 6/29/10	Wed 10/13/10	
1926		Site 25 Soil Gas Investigation Field Work and Sample Analysis	27 edays	Mon 10/25/10	Sun 11/21/10	
1927		Site 25 Soil Gas Investigation Report and Request for Closure	116 days	Sun 11/21/10	Thu 3/17/11	
1928		Prepare Internal Draft Site 25 Soil Gas Investigation Report and Request for Closure	30 edays	Sun 11/21/10	Tue 12/21/10	1926
1929		Navy Review Internal Draft Site 25 Soil Gas Investigation Report and Request for Closure	7 edays	Tue 12/21/10	Tue 12/28/10	1928
1930		Prepare Draft Site 25 Soil Gas Investigation Report and Request for Closure	14 edays	Tue 12/28/10	Tue 1/11/11	1929
1931		Agency Review Draft Site 25 Soil Gas Investigation Report and Request for Closure	30 edays	Tue 1/11/11	Thu 2/10/11	1930
1932		Prepare Internal Final Site 25 Soil Gas Investigation Report and Request for Closure	14 edays	Thu 2/10/11	Thu 2/24/11	1931
1933		Navy Review Internal Final Site 25 Soil Gas Investigation Report and Request for Closure	7 edays	Thu 2/24/11	Thu 3/3/11	1932
1934		Prepare Final Site 25 Soil Gas Investigation Report and Request for Closure	14 edays	Thu 3/3/11	Thu 3/17/11	1933
1935		Site 25 Closure Receive Water Board Concurrence Letter	30 edays	Thu 3/17/11	Sat 4/16/11	1934

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID	Task Name	Duration	Start	Finish	Pred
1936	USTs	5124 days	Sun 5/25/03	Tue 12/12/17	
1937	TANKS 204A AND 204B (YBI) REMOVAL	86 days	Sun 5/25/03	Wed 9/24/03	
1946	USTs 237/238 & 204 A-D POST CONSTRUCTION SUMMARY REPORT	130 days	Sun 11/23/03	Mon 5/24/04	
1953	Site USTs 237, 204A-D Closure Received Water Board Concurrence Letter	2227 edays	Sun 1/11/04	Mon 2/15/10	1952
1954	USTs 140, 221, & 230 Post-Construction Summary Report	87 days	Sun 1/11/04	Tue 5/11/04	
1961	Site USTs 140, 221 & 230 Closure Received Water Board Concurrence Letter	37 edays	Tue 5/11/04	Thu 6/17/04	1960
1962	UST 238 (Additional investigation pending Caltrans project completion)	158 edays	Fri 7/7/17	Tue 12/12/17	
1963	YF3 ADDITIONAL INVESTIGATION	803 days	Thu 12/16/10	Mon 2/25/13	
1964	Navy to Award Contract for Additional Investigation and Reporting	55 edays	Thu 12/16/10	Wed 2/9/11	
1965	YF3 Additional Investigation Work Plan	142 days	Wed 2/9/11	Fri 7/1/11	
1966	Prepare Internal Draft YF3 Additional Investigation Work Plan	30 edays	Wed 2/9/11	Fri 3/11/11	1964
1967	Navy Review Internal Draft YF3 Additional Investigation Work Plan	14 edays	Fri 3/11/11	Fri 3/25/11	1966
1968	Prepare Draft YF3 Additional Investigation Work Plan	7 edays	Fri 3/25/11	Fri 4/1/11	1967
1969	Agency Review Draft YF3 Additional Investigation Work Plan	30 edays	Fri 4/1/11	Sun 5/1/11	1968
1970	Prepare Response to Agency Comments and Internal Final YF3 Additional Investigation Work	33 edays	Sun 5/1/11	Fri 6/3/11	1969
1971	Navy Review Internal Final YF3 Additional Investigation Work Plan	14 edays	Fri 6/3/11	Fri 6/17/11	1970
1972	Prepare Final YF3 Additional Investigation Work Plan	14 edays	Fri 6/17/11	Fri 7/1/11	1971
1973	YF3 Additional Investigation Field Work and Sample Analysis	45 edays	Fri 7/1/11	Mon 8/15/11	1972
1974	Prepare YF3 Additional Investigation Report	142 days	Mon 8/15/11	Tue 1/3/12	
1975	Prepare Internal Draft YF3 Additional Investigation Report	30 days	Mon 8/15/11	Tue 9/13/11	1973
1976	Navy Review Internal Draft YF3 Additional Investigation Report	14 days	Wed 9/14/11	Tue 9/27/11	1975
1977	Prepare Draft YF3 Additional Investigation Report	7 days	Wed 9/28/11	Tue 10/4/11	1976
1978	Agency Review Draft YF3 Additional Investigation Report	30 days	Wed 10/5/11	Thu 11/3/11	1977
1979	Prepare Response to Agency Comments and Internal Final YF3 Additional Investigation Report	33 days	Fri 11/4/11	Tue 12/6/11	1978
1980	Navy Review Internal Final YF3 Additional Investigation Report	14 days	Wed 12/7/11	Tue 12/20/11	1979
1981	Prepare Final YF3 Additional Investigation Report	14 days	Wed 12/21/11	Tue 1/3/12	1980
1982	YF3 CAP ADDENDUM	142 days	Wed 1/4/12	Thu 5/24/12	
1983	Prepare Internal Draft YF3 CAP Addendum	30 days	Wed 1/4/12	Thu 2/2/12	1981
1984	Navy Review Internal Draft YF3 CAP Addendum	14 days	Fri 2/3/12	Thu 2/16/12	1983
1985	Prepare Draft YF3 CAP Addendum	7 days	Fri 2/17/12	Thu 2/23/12	1984
1986	Agency Review Draft YF3 CAP Addendum	30 days	Fri 2/24/12	Sat 3/24/12	1985
1987	Prepare Response to Agency Comments and Internal Final YF3 CAP Addendum	33 days	Sun 3/25/12	Thu 4/26/12	1986
1988	Navy Review Internal Final YF3 CAP Addendum	14 days	Fri 4/27/12	Thu 5/10/12	1987

All start and finish dates on Saturday or Sunday default to the following business day.

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ID	Task Name	Duration	Start	Finish	Pred
1989	Prepare Final YF3 CAP Addendum	14 days	Fri 5/11/12	Thu 5/24/12	1988
1990	CAP Addendum Implementation	120 edays	Thu 5/24/12	Fri 9/21/12	1989
1991	YF3 Post-Construction Summary Report	142 days	Fri 9/21/12	Sun 2/10/13	
1992	Internal Draft Post-Construction Summary Report for Site YF3	30 edays	Fri 9/21/12	Sun 10/21/12	1990
1993	Navy Review of Internal Draft Post-Construction Summary Report for Site YF3	14 edays	Sun 10/21/12	Sun 11/4/12	1992
1994	Draft Post-Construction Summary Report for Site YF3	7 edays	Sun 11/4/12	Sun 11/11/12	1993
1995	Agency Review of Draft Post-Construction Summary Report for Site YF3	30 edays	Sun 11/11/12	Tue 12/11/12	1994
1996	Prepare Response to Agency Comments and Internal Final Post-Construction Summary Report	33 days	Wed 12/12/12	Sun 1/13/13	1995
1997	Navy Review Internal Final Post-Construction Summary Report for Site YF3	14 days	Mon 1/14/13	Sun 1/27/13	1996
1998	Final Post-Construction Summary Report for Site YF3	14 edays	Sun 1/27/13	Sun 2/10/13	1997
1999	Site YF3 Closure Received Water Board Concurrence Letter	15 edays	Sun 2/10/13	Mon 2/25/13	1998

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ID		Task Name	Duration	Start	Finish	Pred
2000		COMPLIANCE PROGRAM	2939 days	Mon 9/1/03	Mon 2/27/12	
2001		POLYCHLORINATED BIPHENYLS (PCBs)	2598 days	Mon 9/1/03	Wed 3/23/11	
2002		PCB Equipment	2598 days	Mon 9/1/03	Wed 3/23/11	
2003		Historical Records Review Results	1 day	Tue 9/2/03	Tue 9/2/03	
2004		Site Survey	31 days	Mon 9/1/03	Tue 10/14/03	
2010		PCB Sampling and Analysis Plan (FOST Area)	109 days	Fri 12/5/03	Thu 5/6/04	
2019		PCB Sampling (FOST Area)	79 days	Fri 4/30/04	Tue 8/17/04	
2028		PCB Summary Report (FOST and FOSET Areas)	1264 days	Mon 5/24/04	Fri 2/1/08	
2046		PCB Sampling and Analysis Plan (FOSET Area)	139 days	Thu 12/29/05	Tue 5/16/06	
2055		PCB Sampling (FOSET Area)	74 days	Tue 5/16/06	Sun 7/30/06	
2064		PCB Work Plan	352 days	Tue 12/19/06	Wed 12/5/07	
2073		PCB Field Work	153 days	Mon 12/17/07	Sun 5/18/08	
2076		PCB Field Activity Report (FAR)	247 days	Sat 7/5/08	Mon 3/9/09	
2084		PCB Soil Abatement T111/Site 32 Work Plan	313 days	Fri 8/8/08	Wed 6/17/09	
2093	 	PCB Soil Abatement T111/Site 32 Field Work	284 edays	Wed 6/17/09	Sun 3/28/10	2092
2094		T111/Site 32 Post Construction Summary Report (PCSR) for Soil Removal	330 days	Tue 4/27/10	Wed 3/23/11	
2095	 	Prepare Internal Draft T111/Site 32 PCSR for Soil Removal	187 edays	Tue 4/27/10	Sun 10/31/10	2093FS+30 edays
2096		Navy Review Internal Draft T111/Site 32 PCSR for Soil Removal	35 edays	Sun 10/31/10	Sun 12/5/10	2095
2097		Respond to Navy Comments and prepare Draft T111/Site 32 PCSR for Soil Removal	14 edays	Sun 12/5/10	Sun 12/19/10	2096
2098		Agency Review Draft T111/Site 32 PCSR for Soil Removal	45 edays	Sun 12/19/10	Wed 2/2/11	2097
2099		Respond to Agency Comments and Prepare Internal Final T111/Site 32 PCSR for Soil Removal	21 edays	Wed 2/2/11	Wed 2/23/11	2098
2100		Navy Review Internal Final T111/Site 32 PCSR for Soil Removal	14 edays	Wed 2/23/11	Wed 3/9/11	2099
2101		Final T111/Site 32 PCSR for Soil Removal	14 edays	Wed 3/9/11	Wed 3/23/11	2100

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ID		Task Name	Duration	Start	Finish	Pred
2102		RESIDENTIAL LEAD-BASED PAINT (LBP)	2883 days	Tue 11/18/03	Mon 2/27/12	
2103		YBI Residential Lead-Based Paint Reevaluation (2004)	134 days	Wed 3/24/04	Mon 9/27/04	
2112		YBI Lead-Based Paint in Soil (2005)	420 days	Tue 11/18/03	Mon 5/30/05	
2133		YBI Residences Lead-Based Paint Reevaluation (2006)	365 days	Tue 11/1/05	Wed 11/1/06	
2143		TI Residences Lead-Based Paint Reevaluation (2008/2009)	830 days	Thu 7/24/08	Mon 11/1/10	
2144		Navy to Award Contract for TI LBP Reevaluation	54 edays	Thu 7/24/08	Tue 9/16/08	
2145		Final TI LBP Reevaluation Work plan	168 edays	Wed 10/8/08	Wed 3/25/09	2144FS+22 edays
2146		Fieldwork for TI LBP Reevaluation	90 edays	Wed 3/25/09	Tue 6/23/09	2145
2147		Lab Analysis and Data Evaluation of TI LBP Reevaluation Data	57 edays	Tue 6/23/09	Wed 8/19/09	2146
2148		Draft TI LBP Reevaluation Summary Report	30 edays	Wed 8/19/09	Fri 9/18/09	2147
2149		Navy review Draft TI LBP Reevaluation Summary Report	175 edays	Fri 9/18/09	Fri 3/12/10	2148
2150		Final TI LBP Reevaluation Summary Report	38 edays	Fri 9/24/10	Mon 11/1/10	
2151		TI and YBI Residences Lead-Based Paint Reevaluation (2011)	363 days	Tue 3/1/11	Mon 2/27/12	
2152		Navy to Award Contract for LBP Reevaluation	60 edays	Tue 3/1/11	Sat 4/30/11	2150FS+120 edays
2153		Final LBP Reevaluation Work plan	100 edays	Sat 4/30/11	Mon 8/8/11	2152
2154		Fieldwork for LBP Reevaluation	30 edays	Mon 8/8/11	Wed 9/7/11	2153
2155		Lab Analysis and Data Evaluation of LBP Reevaluation Data	60 edays	Wed 9/7/11	Sun 11/6/11	2154
2156		Internal Draft LBP Reevaluation Summary Report	45 edays	Sun 11/6/11	Wed 12/21/11	2155
2157		Navy review Internal Draft LBP Reevaluation Summary Report	14 edays	Wed 12/21/11	Wed 1/4/12	2156
2158		Internal Final LBP Reevaluation Summary Report	14 edays	Wed 1/4/12	Wed 1/18/12	2157
2159		Navy review of Internal Final LBP Reevaluation Summary Report	7 edays	Wed 1/18/12	Wed 1/25/12	2158
2160		Final LBP Reevaluation Summary Report	33 edays	Wed 1/25/12	Mon 2/27/12	2159

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ID		Task Name	Duration	Start	Finish	Pred
2161		RADIOLOGICAL PROGRAM	2723 days	Sat 4/17/04	Thu 1/5/12	
2162		Building 233 and Vicinity	2723 days	Sat 4/17/04	Thu 1/5/12	
2163	✓	Building 233 Asbestos Abatement and RAD Removal	924 days	Sat 4/17/04	Wed 1/31/07	
2186	✓	Final Status Survey of Building 233	1080 days	Sun 7/18/04	Mon 9/10/07	
2203	✓	Building 233 Demolition Work Plan	192 days	Tue 1/12/10	Fri 7/23/10	
2207		Building 233 Pre-Demolition Survey	104 edays	Fri 7/23/10	Thu 11/4/10	2206
2208		Building 233 Demolition	30 edays	Thu 11/18/10	Sat 12/18/10	2207FS+14 edays
2209		Building 233 Footprint Final Status Survey Work Plan	263 days	Tue 6/29/10	Sat 3/19/11	
2210	✓	Prepare Internal Draft Building 233 Footprint and Vicinity Final Status Survey Work Plan	63 edays	Tue 6/29/10	Tue 8/31/10	
2211	✓	Navy BRAC Review Internal Draft Building 233 Footprint and Vicinity Final Status Survey Work	20 edays	Tue 8/31/10	Mon 9/20/10	2210
2212	✓	Prepare Revised Internal Draft Building 233 Footprint and Vicinity Final Status Survey	21 edays	Mon 9/20/10	Mon 10/11/10	2211
2213	📅	Navy RASO Review Internal Draft Building 233 Footprint and Vicinity Final Status Survey	35 edays	Mon 10/11/10	Mon 11/15/10	2212
2214		Prepare Draft Building 233 Footprint and Vicinity Final Status Survey Work Plan	15 edays	Mon 11/15/10	Tue 11/30/10	2213
2215		Agency Review Draft Building 233 Footprint and Vicinity Final Status Survey Work Plan	41 edays	Tue 11/30/10	Mon 1/10/11	2214
2216		Prepare Preliminary Responses to Agency Comments on Draft Building 233 Footprint and	30 edays	Mon 1/10/11	Wed 2/9/11	2215
2217		Prepare Internal Final Building 233 Footprint and Vicinity Final Status Survey Work Plan	10 edays	Wed 2/9/11	Sat 2/19/11	2216
2218		Navy Review Internal Final Building 233 Footprint and Vicinity Final Status Survey Work Plan	14 edays	Sat 2/19/11	Sat 3/5/11	2217
2219		Prepare Final Building 233 Footprint and Vicinity Final Status Survey Work Plan	14 edays	Sat 3/5/11	Sat 3/19/11	2218
2220		Building 233 Footprint Final Status Survey Field Work	45 edays	Sat 3/19/11	Tue 5/3/11	2219
2221		Building 233 Footprint Final Status Survey Report	247 days	Sun 4/3/11	Tue 12/6/11	
2222	📅	Prepare Internal Draft Building 233 Footprint Final Status Survey Report	62 edays	Sun 4/3/11	Sat 6/4/11	2220FS-30 edays
2223		Navy BRAC Review Internal Draft Building 233 Footprint Final Status Survey Report	14 edays	Sat 6/4/11	Sat 6/18/11	2222
2224		Prepare Revised Internal Draft Building 233 Footprint Final Status Survey	14 edays	Sat 6/18/11	Sat 7/2/11	2223
2225		Navy RASO Review Internal Draft Building 233 Footprint Final Status Survey	45 edays	Sat 7/2/11	Tue 8/16/11	2224
2226		Prepare Draft Building 233 Footprint Final Status Survey Report	14 edays	Tue 8/16/11	Tue 8/30/11	2225
2227		Agency Review Draft Building 233 Footprint Final Status Survey Report	30 edays	Tue 8/30/11	Thu 9/29/11	2226
2228		Prepare Preliminary Responses to Agency Comments on Draft Building 233 Footprint Final Status Survey Report	30 edays	Thu 9/29/11	Sat 10/29/11	2227
2229		Prepare Internal Final Building 233 Footprint Final Status Survey Report	10 edays	Sat 10/29/11	Tue 11/8/11	2228
2230		Navy Review Internal Final Building 233 Footprint Final Status Survey Report	14 edays	Tue 11/8/11	Tue 11/22/11	2229
2231		Prepare Final Building 233 Footprint Final Status Survey Report	14 edays	Tue 11/22/11	Tue 12/6/11	2230
2232		Site Completion	30 edays	Tue 12/6/11	Thu 1/5/12	2231
2233	✓	Historical Radiological Assessment	514 days	Sat 7/3/04	Fri 2/10/06	

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ID		Task Name	Duration	Start	Finish	Pred
2246		Further Radiological Investigation Areas (Site 12 SWDAs; Bldg 343, Bldg 344; and Sanitary Sewer and Drainage System at Bldg 233)	305 days	Mon 10/16/06	Fri 8/17/07	
2256		Further Radiological Investigation Field Activities For Buildings 233, 343, 344	423 edays	Tue 9/4/07	Fri 10/31/08	
2257		Summary Report of Further Radiological Investigation For Buildings 233, 343, 344	401 days	Thu 9/27/07	Fri 10/31/08	

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ID		Task Name	Duration	Start	Finish	Pred
2282		ASBESTOS-CONTAINING MATERIAL PROGRAM	1193 days	Thu 7/24/08	Sun 10/30/11	
2283		Basewide Asbestos Survey and Abatement (2009)	859 days	Thu 7/24/08	Tue 11/30/10	
2284		Navy to Award Contract for Basewide Asbestos Survey and Abatement	54 edays	Thu 7/24/08	Tue 9/16/08	
2285	 	Final Basewide Asbestos Survey and Abatement Work plan	168 edays	Wed 10/8/08	Wed 3/25/09	2284FS+22 edays
2286		Fieldwork for Basewide Asbestos Survey and Abatement	90 edays	Wed 3/25/09	Tue 6/23/09	2285
2287		Lab Analysis and Data Evaluation of Basewide Asbestos Survey and Abatement Data	57 edays	Tue 6/23/09	Wed 8/19/09	2286
2288		Draft Basewide Asbestos Survey and Abatement Summary Report	30 edays	Wed 8/19/09	Fri 9/18/09	2287
2289		Navy review Draft Basewide Asbestos Survey and Abatement Summary Report	392 edays	Fri 9/18/09	Fri 10/15/10	2288
2290		Final Basewide Asbestos Survey and Abatement Summary Report	46 edays	Fri 10/15/10	Tue 11/30/10	2289
2291		Basewide Asbestos Survey and Abatement (2011)	363 days	Mon 11/1/10	Sun 10/30/11	
2292	 	Navy to Award Contract for Basewide Asbestos Survey and Abatement	60 edays	Mon 11/1/10	Fri 12/31/10	
2293		Final Basewide Asbestos Survey and Abatement Work plan	100 edays	Fri 12/31/10	Sun 4/10/11	2292
2294		Fieldwork for Basewide Asbestos Survey and Abatement	30 edays	Sun 4/10/11	Tue 5/10/11	2293
2295		Lab Analysis and Data Evaluation of Basewide Asbestos Survey and Abatement Data	60 edays	Tue 5/10/11	Sat 7/9/11	2294
2296		Internal Draft Basewide Asbestos Survey and Abatement Summary Report	45 edays	Sat 7/9/11	Tue 8/23/11	2295
2297		Navy review Internal Draft Basewide Asbestos Survey and Abatement Summary Report	14 edays	Tue 8/23/11	Tue 9/6/11	2296
2298		Internal Final Basewide Asbestos Survey and Abatement Summary Report	14 edays	Tue 9/6/11	Tue 9/20/11	2297
2299		Navy review of Internal Final Basewide Asbestos Survey and Abatement Summary Report	7 edays	Tue 9/20/11	Tue 9/27/11	2298
2300		Final Basewide Asbestos Survey and Abatement Summary Report	33 edays	Tue 9/27/11	Sun 10/30/11	2299

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ID		Task Name	Duration	Start	Finish	Pred
2301		BASEWIDE TASKS	3598 days	Mon 9/1/03	Tue 12/17/13	
2302		GROUNDWATER MONITORING PROGRAM	2299 days	Thu 1/11/07	Sat 4/27/13	
2303		2006 Groundwater Status Report Site 12	377 days	Thu 1/11/07	Wed 1/23/08	
2311		2006 Groundwater Status Report Sites 6A and 25	438 days	Sun 2/11/07	Thu 4/24/08	
2319		2007 Groundwater Status Report Site 12	288 days	Mon 3/24/08	Tue 1/6/09	
2327		2007 Groundwater Status Report Sites 6 and 25	289 days	Mon 3/24/08	Wed 1/7/09	
2335		2008 Basewide Groundwater Monitoring Program Sampling and Analysis Plan (SAP)	212 days	Sat 6/14/08	Mon 1/12/09	
2344		2008 Groundwater Status Report Sites 6 and 12	348 days	Thu 3/19/09	Tue 3/2/10	
2352		2009 Annual Groundwater Status Report Sites 6 and 12	291 days	Mon 1/4/10	Thu 10/21/10	
2360		2010 Sites 6 and 12 Quarterly Groundwater Monitoring	442 days	Sat 1/23/10	Sat 4/9/11	
2361		First Quarter Groundwater Monitoring Sites 6 and 12	7 days	Sat 1/23/10	Fri 1/29/10	
2362		Second Quarter Groundwater Monitoring Sites 21, 24, and 32	7 days	Fri 4/30/10	Thu 5/6/10	2361FS+90 days
2363		Third Quarter Groundwater Monitoring Sites 6 and 12	7 days	Thu 8/5/10	Wed 8/11/10	2362FS+90 days
2364		Fourth Quarter Groundwater Monitoring Sites 6 and 12	7 days	Wed 11/10/10	Tue 11/16/10	2363FS+90 days
2365		2010 Annual Groundwater Monitoring Report for Sites 6 and 12	130 days	Tue 11/30/10	Sat 4/9/11	
2366		Prepare Internal Draft Annual Groundwater Monitoring Report for Sites 6 and 12	30 edays	Tue 11/30/10	Thu 12/30/10	2364
2367		Navy Review Internal Draft Annual Groundwater Monitoring Report for Sites 6 and 12	14 edays	Thu 12/30/10	Thu 1/13/11	2366
2368		Prepare Draft Annual Groundwater Monitoring Report for Sites 6 and 12	7 edays	Thu 1/13/11	Thu 1/20/11	2367
2369		BCT Review Draft Annual Groundwater Monitoring Report for Sites 6 and 12	30 edays	Thu 1/20/11	Sat 2/19/11	2368
2370		Prepare Internal Final Annual Groundwater Monitoring Report for Sites 6 and 12	21 edays	Sat 2/19/11	Sat 3/12/11	2369
2371		Navy Review Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	14 edays	Sat 3/12/11	Sat 3/26/11	2370
2372		Prepare Final Annual Groundwater Monitoring Report for Sites 6 and 12	14 edays	Sat 3/26/11	Sat 4/9/11	2371
2373		2011 Sites 6 and 12 Quarterly Groundwater Monitoring	660 days	Fri 10/1/10	Sat 7/21/12	
2374		Navy to contract Quarterly Groundwater Monitoring for Sites 6 and 12	60 edays	Fri 10/1/10	Tue 11/30/10	
2375		Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	142 days	Tue 11/30/10	Thu 4/21/11	
2376		Prepare Internal Draft Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	30 edays	Tue 11/30/10	Thu 12/30/10	2374
2377		Navy Review Internal Draft Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	14 edays	Thu 12/30/10	Thu 1/13/11	2376
2378		Prepare Draft Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	7 edays	Thu 1/13/11	Thu 1/20/11	2377
2379		BCT Review Draft Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	30 edays	Thu 1/20/11	Sat 2/19/11	2378
2380		Prepare Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	33 edays	Sat 2/19/11	Thu 3/24/11	2379
2381		Navy Review Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	14 edays	Thu 3/24/11	Thu 4/7/11	2380
2382		Prepare Final Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	14 edays	Thu 4/7/11	Thu 4/21/11	2381
2383		2011 Quarterly Groundwater Monitoring for Sites 6 and 12	298 days	Thu 4/21/11	Sun 2/12/12	

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ID	Task Name	Duration	Start	Finish	Pred
2384	First Quarter Groundwater Monitoring Sites 6 and 12	7 edays	Thu 4/21/11	Thu 4/28/11	2382
2385	Second Quarter Groundwater Monitoring Sites 6 and 12	7 edays	Tue 7/26/11	Tue 8/2/11	2384FS+90 days
2386	Third Quarter Groundwater Monitoring Sites 6 and 12	7 edays	Mon 10/31/11	Mon 11/7/11	2385FS+90 days
2387	Fourth Quarter Groundwater Monitoring Sites 6 and 12	7 edays	Sun 2/5/12	Sun 2/12/12	2386FS+90 days
2388	2011 Annual Groundwater Monitoring Report for Sites 6 and 12	130 days	Tue 3/13/12	Sat 7/21/12	
2389	Prepare Internal Draft Annual Groundwater Monitoring Report for Sites 6 and 12	30 edays	Tue 3/13/12	Thu 4/12/12	2387FS+30 days
2390	Navy Review Internal Draft Annual Groundwater Monitoring Report for Sites 6 and 12	14 edays	Thu 4/12/12	Thu 4/26/12	2389
2391	Prepare Draft Annual Groundwater Monitoring Report for Sites 6 and 12	7 edays	Thu 4/26/12	Thu 5/3/12	2390
2392	BCT Review Draft Annual Groundwater Monitoring Report for Sites 6 and 12	30 edays	Thu 5/3/12	Sat 6/2/12	2391
2393	Prepare Internal Final Annual Groundwater Monitoring Report for Sites 6 and 12	21 edays	Sat 6/2/12	Sat 6/23/12	2392
2394	Navy Review Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 6 and 12	14 edays	Sat 6/23/12	Sat 7/7/12	2393
2395	Prepare Final Annual Groundwater Monitoring Report for Sites 6 and 12	14 edays	Sat 7/7/12	Sat 7/21/12	2394
2396	2011 Sites 21, 24 and 32 Quarterly Groundwater Monitoring	596 days	Tue 9/14/10	Tue 5/1/12	
2397	Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	138 days	Tue 9/14/10	Sun 1/30/11	
2398	Prepare Internal Draft Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	38 edays	Tue 9/14/10	Fri 10/22/10	
2399	Navy Review Internal Draft Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	14 edays	Fri 10/22/10	Fri 11/5/10	2398
2400	Prepare Draft Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	7 edays	Fri 11/5/10	Fri 11/12/10	2399
2401	BCT Review Draft Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	30 edays	Fri 11/12/10	Sun 12/12/10	2400
2402	Prepare Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	21 edays	Sun 12/12/10	Sun 1/2/11	2401
2403	Navy Review Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	14 edays	Sun 1/2/11	Sun 1/16/11	2402
2404	Prepare Final Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	14 edays	Sun 1/16/11	Sun 1/30/11	2403
2405	2011 Quarterly Groundwater Monitoring for Sites 21, 24, and 32	298 days	Sun 1/30/11	Wed 11/23/11	
2406	First Quarter Groundwater Monitoring Sites 21, 24, and 32	7 edays	Sun 1/30/11	Sun 2/6/11	2404
2407	Second Quarter Groundwater Monitoring Sites 21, 24, and 32	7 edays	Fri 5/6/11	Fri 5/13/11	2406FS+90 days
2408	Third Quarter Groundwater Monitoring Sites 21, 24, and 32	7 edays	Thu 8/11/11	Thu 8/18/11	2407FS+90 days
2409	Fourth Quarter Groundwater Monitoring Sites 21, 24, and 32, and First Quarter Site 24	7 edays	Wed 11/16/11	Wed 11/23/11	2408FS+90 days
2410	2011 Annual Groundwater Monitoring Report for Sites 21, 24, and 32	130 days	Fri 12/23/11	Tue 5/1/12	
2411	Prepare Internal Draft Annual Groundwater Monitoring Report for Sites 21, 24, and 32	30 edays	Fri 12/23/11	Sun 1/22/12	2409FS+30 days
2412	Navy Review Internal Draft Annual Groundwater Monitoring Report for Sites 21, 24, and 32	14 edays	Sun 1/22/12	Sun 2/5/12	2411
2413	Prepare Draft Annual Groundwater Monitoring Report for Sites 21, 24, and 32	7 edays	Sun 2/5/12	Sun 2/12/12	2412
2414	BCT Review Draft Annual Groundwater Monitoring Report for Sites 21, 24, and 32	30 edays	Sun 2/12/12	Tue 3/13/12	2413
2415	Prepare Internal Final Annual Groundwater Monitoring Report for Sites 21, 24, and 32	21 edays	Tue 3/13/12	Tue 4/3/12	2414
2416	Navy Review Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 21, 24, and 32	14 edays	Tue 4/3/12	Tue 4/17/12	2415

All start and finish dates on Saturday or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID	Task Name	Duration	Start	Finish	Pred
2417	Prepare Final Annual Groundwater Monitoring Report for Sites 21, 24, and 32	14 edays	Tue 4/17/12	Tue 5/1/12	2416
2418	2012 Sites 6, 12, 21, 24, 32 Quarterly Groundwater Monitoring	636 days	Mon 8/1/11	Sat 4/27/13	
2419	Navy to contract 2012 Quarterly Groundwater Monitoring for Sites 6, 12, 21, 24, 32	60 edays	Mon 8/1/11	Fri 9/30/11	
2420	2012 Quarterly Groundwater Monitoring Work Plan for Sites 6, 12, 21, 24, 32	142 days	Fri 9/30/11	Sun 2/19/12	
2421	Prepare Internal Draft Quarterly Groundwater Monitoring Work Plan for Sites 6, 12, 21, 24, 32	30 edays	Fri 9/30/11	Sun 10/30/11	2419
2422	Navy Review Internal Draft Quarterly Groundwater Monitoring Work Plan for Sites 6, 12, 21, 24, 32	14 edays	Sun 10/30/11	Sun 11/13/11	2421
2423	Prepare Draft Quarterly Groundwater Monitoring Work Plan for Sites 6, 12, 21, 24, 32	7 edays	Sun 11/13/11	Sun 11/20/11	2422
2424	BCT Review Draft Quarterly Groundwater Monitoring Work Plan for Sites 6, 12, 21, 24, 32	30 edays	Sun 11/20/11	Tue 12/20/11	2423
2425	Prepare Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 6, 12, 21, 24, 32	33 edays	Tue 12/20/11	Sun 1/22/12	2424
2426	Navy Review Internal Final Quarterly Groundwater Monitoring Work Plan for Sites 6, 12, 21, 24, 32	14 edays	Sun 1/22/12	Sun 2/5/12	2425
2427	Prepare Final Quarterly Groundwater Monitoring Work Plan for Sites 6, 12, 21, 24, 32	14 edays	Sun 2/5/12	Sun 2/19/12	2426
2428	2012 Quarterly Groundwater Monitoring for Sites 6, 12, 21, 24, 32	201 days	Sun 2/19/12	Thu 9/6/12	
2429	First Quarter Groundwater Monitoring Sites 6, 12, 21, 24, 32	7 edays	Sun 2/19/12	Sun 2/26/12	2427
2430	Second Quarter Groundwater Monitoring Sites 6, 12, 21, 24, 32	7 edays	Fri 5/25/12	Fri 6/1/12	2429FS+90 days
2431	Third Quarter Groundwater Monitoring Sites 6, 12, 21, 24, 32	7 edays	Thu 8/30/12	Thu 9/6/12	2430FS+90 days
2432	Fourth Quarter Groundwater Monitoring Sites 6, 12, 21, 24, 32	7 edays	Thu 8/30/12	Thu 9/6/12	2430FS+90 days
2433	2012 Annual Groundwater Monitoring Report for Sites 6, 12, 21, 24, 32	203 days	Sat 10/6/12	Sat 4/27/13	
2434	Prepare Internal Draft Groundwater Status Report Sites 6, 12, 21, 24, 32	91 edays	Sat 10/6/12	Sat 1/5/13	2432FS+30 days
2435	Navy Review Internal Draft Groundwater Status Report Sites 6, 12, 21, 24, 32	14 edays	Sat 1/5/13	Sat 1/19/13	2434
2436	Respond to Navy Comments and Prepare Draft Groundwater Status Report Sites 6, 12, 21, 24, 32	7 edays	Sat 1/19/13	Sat 1/26/13	2435
2437	BCT Review Draft Groundwater Status Report Sites 6, 12, 21, 24, 32	30 edays	Sat 1/26/13	Mon 2/25/13	2436
2438	Respond to BCT Comments and Prepare Internal Final Groundwater Status Report Sites 6, 12, 21, 24, 32	33 edays	Mon 2/25/13	Sat 3/30/13	2437
2439	Navy Review Internal Final Groundwater Status Report Sites 6, 12, 21, 24, 32	14 edays	Sat 3/30/13	Sat 4/13/13	2438
2440	Prepare Final Groundwater Status Report Sites 6, 12, 21, 24, 32	14 edays	Sat 4/13/13	Sat 4/27/13	2439

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID		Task Name	Duration	Start	Finish	Pred
2441		REGULATORY INTERACTION SUPPORT	2432 days	Sun 4/8/07	Wed 12/4/13	
2442		SITE MANAGEMENT PLAN (ANNUAL UPDATES)	2334 days	Sun 4/8/07	Wed 8/28/13	
2443		Site Management Plan (2007 Annual Update)	257 days	Sun 4/8/07	Fri 12/21/07	
2454		Site Management Plan (2008 Annual Update)	205 days	Tue 5/6/08	Thu 11/27/08	
2465		Site Management Plan (2009 Annual Update)	511 days	Tue 5/6/08	Tue 9/29/09	
2475		Site Management Plan (2010 Annual Update)	270 days	Tue 2/2/10	Fri 10/29/10	
2484		Site Management Plan (2011 Annual Update)	163 days	Sun 2/20/11	Tue 8/2/11	
2485		Prepare Internal Draft Site Management Plan	30 edays	Sun 2/20/11	Tue 3/22/11	
2486		Navy Review Internal Draft Site Management Plan	14 edays	Tue 3/22/11	Tue 4/5/11	2485
2487		Incorporate Navy Review Comments for Draft Site Management Plan	7 edays	Tue 4/5/11	Tue 4/12/11	2486
2488		BCT Review Draft Site Management Plan	30 edays	Tue 4/12/11	Thu 5/12/11	2487
2489		Prepare Preliminary RTCs on Draft Site Management Plan	21 edays	Thu 5/12/11	Thu 6/2/11	2488
2490		Prepare Internal Final Site Management Plan	33 edays	Thu 6/2/11	Tue 7/5/11	2489
2491		Navy Review Internal Final Site Management Plan	14 edays	Tue 7/5/11	Tue 7/19/11	2490
2492		Prepare Final Site Management Plan	14 edays	Tue 7/19/11	Tue 8/2/11	2491
2493		Site Management Plan (2012 Annual Update)	189 days	Mon 2/20/12	Mon 8/27/12	
2502		Site Management Plan (2013 Annual Update)	189 days	Wed 2/20/13	Wed 8/28/13	
2511		BCT MEETINGS/MINUTES (MONTHLY)	2157 days	Tue 1/8/08	Wed 12/4/13	
2512		BCT Meetings (Monthly) 2008	331 days	Tue 1/8/08	Wed 12/3/08	
2525		BCT Meetings (Monthly) 2009	329 days	Wed 1/7/09	Wed 12/2/09	
2538		BCT Meetings (Monthly) 2010	329 days	Wed 1/6/10	Wed 12/1/10	
2539		BCT Meeting #1	0 edays	Wed 1/6/10	Wed 1/6/10	
2540		BCT Meeting #2	0 edays	Wed 2/3/10	Wed 2/3/10	
2541		BCT Meeting #3	0 edays	Wed 3/3/10	Wed 3/3/10	
2542		BCT Meeting #4	0 edays	Wed 4/7/10	Wed 4/7/10	
2543		BCT Meeting #5	0 edays	Wed 5/5/10	Wed 5/5/10	
2544		BCT Meeting #6	0 edays	Wed 6/2/10	Wed 6/2/10	
2545		BCT Meeting #7	0 edays	Wed 7/7/10	Wed 7/7/10	
2546		BCT Meeting #8	0 edays	Wed 8/4/10	Wed 8/4/10	
2547		BCT Meeting #9	0 edays	Wed 9/1/10	Wed 9/1/10	
2548		BCT Meeting #10	0 edays	Wed 10/6/10	Wed 10/6/10	
2549		BCT Meeting #11	0 edays	Wed 11/3/10	Wed 11/3/10	
2550		BCT Meeting #12	0 edays	Wed 12/1/10	Wed 12/1/10	

All start and finish dates on Saturday
or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID	Task Name	Duration	Start	Finish	Pred
2551	BCT Meetings (Monthly) 2011	336 days	Wed 1/5/11	Wed 12/7/11	
2564	BCT Meetings (Monthly) 2012	336 days	Wed 1/4/12	Wed 12/5/12	
2577	BCT Meetings (Monthly) 2013	336 days	Wed 1/2/13	Wed 12/4/13	
2590	COMMUNITY RELATIONS PROGRAM	2434 days	Thu 4/19/07	Tue 12/17/13	
2591	COMMUNITY RELATIONS PLAN (2007/2008)	309 days	Thu 7/26/07	Fri 5/30/08	
2602	RAB MEETINGS/MINUTES (BI-MONTHLY)	1764 days	Tue 2/17/09	Tue 12/17/13	
2603	RAB Meetings/Minutes (Bi-Monthly) 2009	302 days	Tue 2/17/09	Tue 12/15/09	
2610	RAB Meetings/Minutes (Bi-Monthly) 2010	308 days	Tue 2/16/10	Tue 12/21/10	
2611	RAB Meeting #1	0 edays	Tue 2/16/10	Tue 2/16/10	
2612	RAB Meeting #2	0 edays	Tue 4/20/10	Tue 4/20/10	
2613	RAB Meeting #3	0 edays	Tue 6/15/10	Tue 6/15/10	
2614	RAB Meeting #4	0 edays	Tue 8/17/10	Tue 8/17/10	
2615	RAB Meeting #5	0 edays	Tue 10/19/10	Tue 10/19/10	
2616	RAB Meeting #6	0 edays	Tue 12/21/10	Tue 12/21/10	
2617	RAB Meetings/Minutes (Bi-Monthly) 2011	308 days	Tue 2/15/11	Tue 12/20/11	
2624	RAB Meetings/Minutes (Bi-Monthly) 2012	301 days	Tue 2/21/12	Tue 12/18/12	
2631	RAB Meetings/Minutes (Bi-Monthly) 2013	301 days	Tue 2/19/13	Tue 12/17/13	
2638	TI TIMES	2087 days	Thu 4/19/07	Thu 1/3/13	
2639	TI Times #13 Spring/Summer 2007	130 days	Thu 4/19/07	Mon 8/27/07	
2647	TI Times #14 Summer 2008	189 days	Fri 1/18/08	Fri 7/25/08	
2655	TI Times #15 Winter 2009	191 days	Sun 11/2/08	Tue 5/12/09	
2663	TI Times #16 Spring 2010	184 days	Wed 10/21/09	Fri 4/23/10	
2671	TI Times #17 Fall 2010	173 days	Sat 7/17/10	Thu 1/6/11	
2672	Prepare Internal Draft TI Times #17	45 edays	Sat 7/17/10	Tue 8/31/10	2670FS+60 edays
2673	Navy Review Internal Draft TI Times #17	66 edays	Tue 8/31/10	Fri 11/5/10	2672
2674	Respond to Navy Comments and Prepare Draft TI Times #17	7 edays	Fri 11/5/10	Fri 11/12/10	2673
2675	BCT Review of Draft TI Times #17	21 edays	Fri 11/12/10	Fri 12/3/10	2674
2676	Respond to BCT Comments and Prepare Internal Final TI Times #17	10 edays	Fri 12/3/10	Mon 12/13/10	2675
2677	Navy Review Internal Final TI Times #17	7 edays	Mon 12/13/10	Mon 12/20/10	2676
2678	Prepare Final TI Times #17	17 edays	Mon 12/20/10	Thu 1/6/11	2677
2679	TI Times #18 Spring 2011	107 days	Mon 3/7/11	Wed 6/22/11	
2687	TI Times #19 Fall 2011	107 days	Tue 9/20/11	Thu 1/5/12	
2695	TI Times #20 Spring 2012	107 days	Mon 3/5/12	Wed 6/20/12	

All start and finish dates on Saturday or Sunday default to the following business day.

NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
 October 29, 2010

ID		Task Name	Duration	Start	Finish	Pred
2703		TI Times #21 Fall 2012	107 days	Tue 9/18/12	Thu 1/3/13	
2711		TI Times #22 Spring 2013	107 days	Wed 1/13/10	Fri 4/30/10	
2726		TI Times #23 Fall 2013	107 days	Wed 1/13/10	Fri 4/30/10	

All start and finish dates on Saturday
 or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID		Task Name	Duration	Start	Finish	Pred
2741		TRANSFER RELATED	2850 days	Mon 9/1/03	Tue 11/29/11	
2742		SEBS/FOST EXECUTION SCHEDULE	1208 days	Mon 9/1/03	Fri 6/1/07	
2886		FINAL SEBS	389 days	Fri 2/27/04	Fri 7/8/05	
2907		TREASURE ISLAND FOST (FOST 1)	625 days	Fri 2/27/04	Thu 3/2/06	
2921		YERBA BUENA ISLAND FOST (FOST 2)	717 days	Tue 11/18/03	Wed 3/22/06	
2966		Site 27 Boundary Change Technical Memorandum	139 days	Sat 4/3/10	Fri 8/20/10	
2974		Site 29 Boundary Change Technical Memorandum	265 days	Wed 3/24/10	Mon 12/13/10	
2975		Internal Draft Boundary Change Tech Memo	34 edays	Wed 3/24/10	Tue 4/27/10	
2976		Navy Technical/Legal Review Internal Draft Boundary Change Tech Memo	73 edays	Tue 4/27/10	Fri 7/9/10	2975
2977		Prepare Draft Boundary Change Tech Memo	4 edays	Fri 7/9/10	Tue 7/13/10	2976
2978		BCT Review Boundary Change Tech Memo	17 edays	Tue 7/13/10	Fri 7/30/10	2977
2979		Prepare Internal Final Boundary Change Tech Memo	75 edays	Wed 9/8/10	Mon 11/22/10	2978
2980		Navy Review Internal Final Boundary Change Tech Memo	14 edays	Mon 11/22/10	Mon 12/6/10	2979
2981		Prepare Final Boundary Change Tech Memo	7 edays	Mon 12/6/10	Mon 12/13/10	2980
2982		2010 FOST (FOST 3)	346 days	Mon 1/11/10	Thu 12/23/10	
2983		Navy to award contract for FOST 3	52 edays	Mon 1/11/10	Thu 3/4/10	
2984		Prepare Internal Draft FOST 3	158 edays	Thu 3/4/10	Mon 8/9/10	2983
2985		Navy Review of Internal Draft FOST 3	24 edays	Mon 8/9/10	Thu 9/2/10	2984
2986		Respond to Navy Comments and Prepare Draft FOST 3	26 edays	Thu 9/2/10	Tue 9/28/10	2985
2987		Agency/Public Review of Draft FOST 3	36 edays	Tue 9/28/10	Wed 11/3/10	2986
2988		Prepare Preliminary RTCs for Draft FOST 3	14 edays	Wed 11/3/10	Wed 11/17/10	2987
2989		BCT Review of Preliminary RTCs on Draft FOST 3	15 edays	Wed 11/17/10	Thu 12/2/10	2988
2990		BCT Meeting to Discuss Preliminary RTCs on Draft FOST 3	0 edays	Thu 12/2/10	Thu 12/2/10	2989
2991		Incorporate comments from BCT on review of Draft RTCs and prepare Internal Final FOST 3	7 edays	Thu 12/2/10	Thu 12/9/10	2990
2992		Navy Review of Final FOST 3	7 edays	Thu 12/9/10	Thu 12/16/10	2991
2993		Sign and Distribute Final FOST 3	7 edays	Thu 12/16/10	Thu 12/23/10	2992
2994		Complete Legal Descriptions for FOST 3 property	75 edays	Thu 9/9/10	Tue 11/23/10	2993FF-30 edays
2995		2011 (FOST 4)	322 days	Tue 1/11/11	Tue 11/29/11	
2996		Navy to award contract for FOST 4	62 edays	Tue 1/11/11	Mon 3/14/11	
2997		Prepare Internal Draft FOST 4	91 edays	Mon 3/14/11	Mon 6/13/11	2996
2998		Navy Review of Internal Draft FOST 4	30 edays	Mon 6/13/11	Wed 7/13/11	2997
2999		Respond to Navy Comments and Prepare Draft FOST 4	14 edays	Wed 7/13/11	Wed 7/27/11	2998
3000		Agency/Public Review of Draft FOST 4	30 edays	Wed 7/27/11	Fri 8/26/11	2999

All start and finish dates on Saturday or Sunday default to the following business day.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
FINAL SITE MANAGEMENT PLAN
October 29, 2010**

ID		Task Name	Duration	Start	Finish	Pred
3001		Prepare Preliminary RTCs for Draft FOST 4	28 edays	Fri 8/26/11	Fri 9/23/11	3000
3002		BCT Review of Preliminary RTCs on Draft FOST 4	14 edays	Fri 9/23/11	Fri 10/7/11	3001
3003		BCT Meeting to Discuss Preliminary RTCs on Draft FOST 4	0 edays	Fri 10/7/11	Fri 10/7/11	3002
3004		Incorporate comments from BCT on review of Draft RTCs and prepare Internal Final FOST 4	14 edays	Fri 10/7/11	Fri 10/21/11	3003
3005		Navy Review of Final FOST 4	11 edays	Fri 10/21/11	Tue 11/1/11	3004
3006		Sign and Distribute Final FOST 4	28 edays	Tue 11/1/11	Tue 11/29/11	3005

All start and finish dates on Saturday
or Sunday default to the following business day.

APPENDIX C
RESPONSE TO COMMENTS

RESPONSES TO REGULATORY AGENCY COMMENTS ON THE DRAFT SITE MANAGEMENT PLAN FOR NAVAL STATION TREASURE ISLAND, SAN FRANCISCO, CALIFORNIA

This document presents the Department of the Navy's (Navy) responses to comments from the Restoration Advisory Board (RAB) on the "Draft Site Management Plan, Naval Station Treasure Island" (SMP) dated April 19, 2010. Written comments from the RAB were received on April 28, 2010. The discussion among the Navy, DTSC, Water Board, and TIDA at the May 5, 2010, Base Realignment and Closure (BRAC) Cleanup Team (BCT) meeting resulted in a list of comments and inquiries to consider for incorporation into the final version of the SMP. The list is presented after the following responses.

RESPONSES TO COMMENTS FROM DALE SMITH, RAB MEMBER

- 1. Comment: Is the expedited review period due to closeout? Seems quicker than usual.**

Response: On Table 1, page 5, the expedited review period, referred to as "Revised Production and Review Periods" approved by the BCT in 2004, was established to reduce the amount of days required to produce and review documents. The expedited durations were a modification to those established in the 1992 Federal Facility Site Remediation Agreement.

- 2. Comment: Can figures 10 and 11 also have the new landuse map as an underlay that doesn't conflict with the old landuse map (this may not be possible).**

Response: Figure 11 is representative of the new landuse plan. It is officially referred to as the Conceptual Land Plan as produced by SMWM in 2008. The title blocks of the two figures can be adjusted to further clarify.

- 3. Comment: Site 6 Figure 1 is not so identified and it is unclear to one unfamiliar with the site where the boundary reconfiguration is.**

Response: The boundary revision included a portion of Parcel T112 into Site 6 is not shown on Figure 1. The reference to Figure 1 in the Site 6 – Fire Training School description (on page A-3 of Appendix A) will be removed. For clarification, the triangular piece located between Buildings 461 and 462 (see aerial photograph on page A-5 of Appendix A) was the portion of Parcel T112 that was added to the original Site 6 boundary.

- 4. Comment: Site 9 Technically the word is indices.**

Response: The word "indexes" in the third sentence on page A-9 of Appendix A has been changed to "indices".

5. **Comment:** **Site 21 Flammable [sic] materials are stored in flammable lockers, not inflammable lockers?**

Response: This text was removed.

6. **Comment:** **A-37 Figure 1 pops up again, this time as a hyperlink, but there is no designated Figure 1. Site 6 and 6A either are or are not shown. This figure and A3 don't match and got me confused.**

Response: The boundary revision included a portion of Parcel T112 into Site 6 is not shown on Figure 1. The reference to Figure 1 in the Site 6 – Fire Training School description (on page A-3 of Appendix A) will be removed. For clarification, the triangular piece located between Buildings 461 and 462 (see aerial photograph on page A-5 of Appendix A) was the portion of Parcel T112 that was added to the original Site 6 boundary. Site 6A is not shown as the boundary modification request was never approved by the DTSC.

7. **Comment:** **Site 11 and 29 boundaries don't agree.**

Response: The boundaries for Sites 11 and 29 are in fact adjacent to each other and do not overlap as depicted in Figure 1. The boundaries for each site separately depicted on the aerial photographs on pages A-12 and A-27 of Appendix A can look like they overlap but the view is skewed due to the oblique angle.

8. **Comment:** **A-46 Reference is made to two figures that are actually tables and are not labeled. Skip the figure/table business altogether?**

Response: On page A-46, the reference to Figures 6 and 7 is correct; however, to clarify a reference to the summary tables has been added to the paragraph. The paragraph was moved to the bottom of the page to precede the summary tables.

9. **Comment:** **Can the remediation process for those sites requiring groundwater clean up be so identified in the table? The text identifies the strategy, in situ bioremediation, etc, but the table is silent. It is very convenient to just skim the table rather than read the text.**

Response: Sites currently requiring groundwater cleanup include Sites 21 and 24. The remediation process, in the form of treatability studies, is mentioned in the summary tables. Specific terms such as “in situ bioremediation” can be added to the existing text to further clarify.

10. **Comment:** **If a soil remediation was used other than removal, could that be included in the text and table, also?**

Response: Any soil remediation used other than soil removal can be mentioned in the text and table. Currently, the only soil remediation that has taken place at the CERCLA sites on TI and YBI has been through removal.

RESOLUTION OF COMMENTS RECEIVED AT THE MAY 5, 2010 BCT MEETING

Item #	Incorporated	Agency	Site or Program	Comment/Inquiry
SUMMARY INFORMATION SECTION				
1	✓	DTSC	--	Include the date of the FFSRA in the introductory text (Section 1.0)
2	✓	DTSC	All	Confirm total counts of CERCLA sites and Petroleum sites referenced in Section 1.0, paragraph 2
3	✓	TIDA	Petroleum	Table 3, Petroleum Site Summary, pages 9 and 14, blank comment fields, confirm and add references for the agency no further action concurrence letter.
4	✓	Water Board	Petroleum	Table 3, Petroleum Site Summary, page 14, adjust typographic error ("NA") in 'Date' column.
5	--	DTSC	All	Provide more consistency between the Program Site Strategy Flow Charts (Figures 2 and 3), the Timelines to Closure (Figures 5 and 6) and the Appendix B environmental schedule.
6	✓	DTSC	8, 11, 29	For sites impacted by Caltrans bridge construction activity, add a note to Figures 2, 4, and the Site Summary Information Sheets (Appendix A) indicating the SMP schedule is based on Caltrans' quarterly schedule. Add RI addendum step to the Figures 2 and 4 and site summary sheets.
7	✓	TIDA	UST 237	Figure 7; confirm status of UST 237 as "further investigation" is accurate.
8	✓	DTSC	Site 30	Clarify restriction status for Site 30 on Figure 9
9	✓		--	Figure 9, clarify legend to reflect Petroleum and CERCLA residual constituents in shallow and/or deep soil

**RESOLUTION OF COMMENTS RECEIVED AT THE MAY 5, 2010 BCT MEETING
(Continued)**

Item #	Incorporated	Agency	Site or Program	Comment/Inquiry
APPENDIX A				
10	✓	Water Board	All	Update the Transfer Categories for each Site Summary Information Sheet.
11	✓	DTSC	Site 12	In Site Summary Information Sheet text and table, update the NTCRA information e.g., completion date to include Radiological Final Status Survey and current status.
12	✓	DTSC	Site 12	In Site Summary Information Sheet table, for the Arsenic Study, clarify the statement that the "treatability study is being evaluated". As is, it implies the study is in the planning stages when the treatability study is on hold while petroleum is investigated.
13	✓	EPA/TIDA	Site 12	Navy is considering a few options for performing a residual risk assessment for the Site 12 removal action areas currently not included in the RI report. In the time being, a note will be added to the Site Summary Information Sheet to clarify that residual risk will be addressed in the removal action completion report and/or the feasibility study.
14	✓	DTSC	Site 6	In Site Summary Information Sheets, clarify if groundwater monitoring semi-annual or annual monitoring
15	✓	DTSC	Community Relations	The summary for the Community Relations Program should include all aspects of the program, e.g., newsletters and fact sheets.
APPENDIX B				
16	✓		Site 24	Confirm the delivery timing of the Treatability Study report in relation to the Draft Proposed Plan to ensure overlap is appropriate.
17	✓	TIDA	Site 32	Confirm the duration of the removal action report review period.
18	✓	TIDA	Site 32	Add a line item to schedule that references removal action report dates of the PCB compliance program schedule.

**RESOLUTION OF COMMENTS RECEIVED AT THE MAY 5, 2010 BCT MEETING
(Continued)**

Item #	Incorporated	Agency	Site or Program	Comment/Inquiry
APPENDIX B (Continued)				
19	--	DTSC	Radiological	Add a line item to schedule indicating the radiological concerns associated with Site 12 are being addressed in the Site 12 specific schedule.
20	--	City	Transfer	Consider adding other key transfer documentation beyond the FOST. The Navy agreed to add specific documents when specific schedule information becomes available.
21	✓	TIDA	Transfer	Update transfer section to reflect the 2010 FOST as "FOST 3".

Notes:

- ✓ Comment/inquiry has been completed and/or fulfilled by incorporation into the Final 2010 SMP.
- Comment/inquiry was not completed, but was incorporated into the Final 2010 SMP in another form.
- CERCLA Comprehensive Environmental, Response, Compensation, and Liability Act
- FFSRA Federal Facility Site Remediation Agreement
- FOST Finding of suitability to transfer
- NA Not applicable
- NTCRA Non-time critical removal action
- PCB Polychlorinated biphenyl
- RI Remedial investigation
- SMP Site management plan
- TI Treasure Island
- UST Underground storage tank