



Final

2009 Site Management Plan

Naval Station Treasure Island San Francisco, California

September 28, 2009

Prepared for:

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

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Contract Task Order FZN6**

Final

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

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PREPARED FOR:

DEPARTMENT OF THE NAVY

REVIEW AND APPROVAL

Project Manager: 
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Date: September 28, 2009

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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
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
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

ACRONYMS AND ABBREVIATIONS (Continued)

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
Regional Water Board	Cal/EPA San Francisco Bay Regional Water Quality Control Board
RD	Remedial design
RI	Remedial investigation
ROD	Record of decision
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
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 site management plan is an update to the Naval Station Treasure Island (NAVSTA TI) 2008 Environmental Site Management Plan. 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 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 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 Investigation (PA/SI) was conducted in 1987 to identify areas on Treasure Island (TI) and Yerba Buena Island (YBI) that required further investigation. The Navy has identified 33 IR sites on TI and YBI. Eight of the CERCLA sites have been closed, two sites (Sites 12 and 30) had interim removal actions conducted and these two sites are part of the remaining 15 CERCLA sites that are continuing through the remedial action process. The Petroleum Program includes 9 petroleum sites along with numerous underground storage tanks (UST) and fuel lines throughout TI and YBI. The Petroleum Program has achieved closure at seven of the nine petroleum sites.

This document is organized into two main sections (including this introduction), followed by tables, figures, and two 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 Microsoft® Project environmental schedule provided in [Appendix B](#). The Draft Site Management Plan was submitted to the BCT on April 16, 2009, and comments were discussed at the May BCT meeting. A summary of the comments is attached as [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](#).

The NAVSTA TI Basewide Environmental Cleanup Program is illustrated on [Figure 1](#); the figure depicts the various program sites and boundaries of the proposed parcels included in the finding of suitability for early transfer (FOSET) and the finding of suitability to transfer (FOST) 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](#).

2.0 SCHEDULE ASSUMPTIONS

A list of assumptions for the FFSRA schedule was developed and agreed to by the Base Realignment and Closure (BRAC) Cleanup Team (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 (AM), feasibility studies (FS), proposed plans (PP), records of decision (ROD), remedial action plans (RAP), and remedial designs (RD). FOSTs 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 IR Sites 8, 11, and 29, and inactive fuel lines YF3 and U.S. Coast Guard (USCG) may be 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 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 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 1: DOCUMENT PRODUCTION AND REVIEW PERIODS
 Site Management Plan, Naval Station Treasure Island, San Francisco, California

FFSRA Guidelines		Revised Production and Review Periods*	
Primary Documents^a			
N/A	----	Scoping Meeting	****
Internal Draft	90 ed	Internal Draft	90 ed
Navy Review	15 ed	Navy Technical Review	30 ed
N/A	----	Revise Internal Draft	14ed ^b
N/A	----	Navy Legal Review	30ed ^b
Draft	15 ed	Draft	14 ed
Agency Review	60 ed	Agency Review	30 ed
N/A	----	Preliminary Draft RTCs	28 ed ^c
N/A	----	Working Meeting	****
Internal Draft Final	46 ed	Internal Draft Final	----
Navy Review	7 ed	Navy Review	----
Draft Final	7 ed	Draft Final	----
Agency Review	30 ed	Agency Review	----
Internal Final	46 ed	Internal Final	30 ed
Navy Review	7 ed	Navy Review	10 ed
Final	7 ed	Final	14 ed
Total:	330 ed	Total:	290 ed
Secondary Documents^d			
Internal Draft	60 ed	Internal Draft	30 ed
Navy Review	7 ed	Navy Review	14 ed
Draft	7 ed	Draft	7 ed
Agency Review	30 ed	Agency Review	30 ed
N/A	----	Working Meeting	****
Draft Final	30 ed	Draft Final	----
Agency Review	30 ed	Agency Review	----
Internal Final	46 ed	Internal Final	33 ed
Navy Review	7 ed	Navy Review	14 ed
Final	7 ed	Final	14 ed
Total:	224 ed	Total:	142 ed

Notes:

- a Primary documents include remedial investigation reports, engineering evaluations/cost analyses, action memoranda, feasibility studies, remedial designs, proposed plans, and records of decision/remedial action plans. Findings of suitability to transfer will also follow the primary document schedule.
- b The 14-day revised internal draft and Navy legal review is required for feasibility studies, proposed plans, and records of decision/remedial action plans.
- c The 28-day schedule includes drafting the response to comments, review of responses by Navy, and distribution for agency review.
- d Secondary documents include, but are not limited to, technical memorandums, design strategies, summary reports, sampling and analysis plans, quality assurance project plans, and work plans.
- * The revised document production and review periods were approved by the Base Realignment and Closure Cleanup Team in 2004 ("Environmental Closeout Strategy and Schedules, Naval Station Treasure Island, San Francisco, California," dated July 30, 2004 and published by SulTech). In some cases standard production and review periods may not be followed.
- **** Working meetings and scoping meetings are included as placeholders for the Navy and regulatory agencies to discuss a document, receive review comments, or to discuss or resolve issues relating to a document.
- ed Electronic day (or calendar day, as opposed to a working day)
- FFSRA Federal Facility Site Remediation Agreement
- N/A Not applicable
- RTC Response to comment

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	11/8/10	FS	1/14/09
FS	9/5/11	PP/ROD/RAP	7/5/11
PP/ROD/RAP	2/21/13	RD/RA	12/26/12
RD/RA	6/18/14	Site 28	
Site 8		✓RI	4/1/09
✓Interim RI	3/27/09	PP/ROD/RAP	12/6/10
Site 11		Site 29	
Interim RI	11/20/09	✓RI	3/27/09
Site 12		Site 30	
RI	6/18/10	✓PP/ROD/RAP	8/5/09
SWDA NTCRA	4/13/10	Land Use Control Work Plan	2/6/10
Bigelow Court NTCRA	5/7/12	Site 31	
FS	10/11/11	✓PP/ROD/RAP	8/5/09
PP/ROD/RAP	3/26/13	RD/RA	6/10/10
RD/RA	11/12/14	Site 32	
Site 21		FS (if necessary)	10/5/10
✓FS	3/31/09	PP/ROD/RAP	3/19/12
PP/ROD/RAP	9/5/11	RD/RA	9/11/13
RD/RA	9/13/13	Site 33	
Long-Term Monitoring	9/11/15	RI	12/14/09
Site 24		FS	9/17/10
PP/ROD/RAP	11/4/11	PP/ROD/RAP	2/17/12
RD/RA	11/7/13	RD/RA	2/13/13
Long-Term Monitoring	6/17/16		

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.

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

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	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 Corrective Action Plan (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 Water Board for concurrence. For UST sites that have received no further action concurrence, the Navy has demonstrated to the 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	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. Ongoing groundwater monitoring at the site. Navy to evaluate path to closure ² .
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, Water Board, Water Resource Control Engineer, to Ellen Casados, Navy Remedial Project Manager. Regarding 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	Date	Comments
USCG	38D9612	Pipeline	Pipeline NFA		TBD	Water Board did not concur with NFA and requested additional investigation. Investigation is on hold until completion of SFOBB project. ³ 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	

³ Letter date illegible (February 2004) from S. Raker, 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	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.	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 draft revised request for NFA concurrence has been submitted.
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.
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 Water Board concurred NFA required for USTs and ASTs in a May 9, 2005 letter.)

⁴ Letter dated May 15, 2006, from A. Friedman, Water Board, Water Resource Control Engineer, to Ellen Casados, Navy Remedial Project Manager. Regarding 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	Date	Comments
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				
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	UST330C				
	38D9708	UST330D				
	38D9709	UST 180A				
	38D9709	UST 180B				
	38D9710	UST 111				
	38D9711	UST 169				

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	Date	Comments
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 UST closure letter.
UST 238 (YBI)		UST 238 (YBI)	UST Closure		TBD	Suspected tank in USCG Site. Ground-penetrating radar (GPR) was inconclusive in search for the tank; further investigation on hold until completion of SFOBB project. ⁵
Pipeline YF3		None	Pipeline NFA		TBD	Investigation is on hold until completion of SFOBB project.
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, Water Board concurred with NFA. UST 230: previously suspected tank. Unable to locate with further investigation, Water Board concurred with NFA. UST 221 located and removed, no evidence of leaking observed, Navy requested closure of UST, 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.

⁵ Letter dated June 17, 2004, from S. Raker, 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	Date	Comments
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.
Pipeline D1A		None	Pipeline NFA	Final Corrective Action Plan (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 Corrective Action Plan (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 Corrective Action Plan (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 Corrective Action Plan (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 Corrective Action Plan (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 Corrective Action Plan (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 Corrective Action Plan (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 Facilitywide 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	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, 2003N/A	
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	
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	

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

AST	Aboveground storage tank	TBD	To be determined
Caltrans	California Department of Transportation	TI	Treasure Island
CAP	Corrective Action Plan	TPH	Total petroleum hydrocarbons
CCSF	City and County of San Francisco	USCG	U.S. Coast Guard
ERM West	Environmental Resources Management West, Inc.	UST	Underground storage tank
N/A	Not applicable	Regional Water Board	Cal/EPA San Francisco Bay Regional Water Quality Control Board
NFA	No further action	YBI	Yerba Buena Island
SFOBB	San Francisco-Oakland Bay Bridge		

TABLE 4: SCHEDULE CHANGE TRACKING FORM – NOVEMBER 2008 THROUGH AUGUST 2009
 Site Management Plan, Naval Station Treasure Island, San Francisco, California

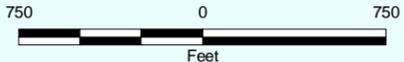
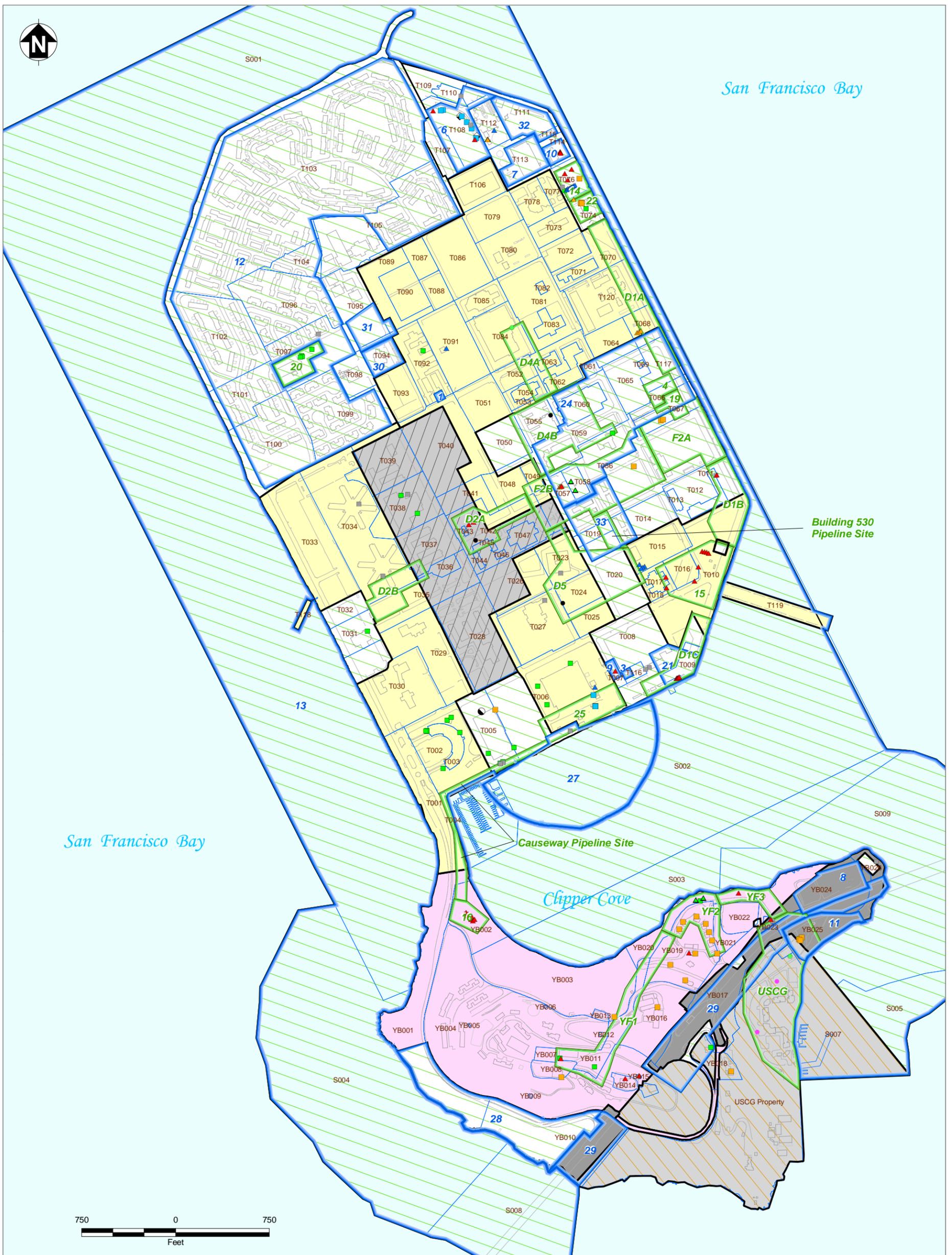
Site	Item	Change*	Reason	Initiator
Site 6	RI Report	Delayed	Delay due to evaluation of weight of evidence for vapor intrusion, site boundary change, soil gas investigation, and data gaps evaluation.	Navy, DTSC
Site 28	FS Report	Cancelled	RI report recommended NFA.	
Site 33	Final RI Report	Final deliverable date changed from February 2007 to October 2009	Delay due to resolution and incorporation of comments on Site 32 Draft RI report.	Navy, DTSC
Site 12	Halyburton Court EE/CA	Cancelled	Upon further evaluation the Navy determined the proposed removal action would not significantly reduce the risk in Halyburton Court, and recommended the EE/CA be cancelled and the risks in the area be evaluated as part of the Site 12 RI.	Navy, DTSC

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 November 26, 2008, and published by Tetra Tech EM Inc.

BCT Base Realignment and Closure Cleanup Team
 DTSC Department of Toxic Substances Control
 EE/CA Engineering evaluation/cost analysis
 FS Feasibility study
 NFA No further action
 RI Remedial Investigation

FIGURES



- EBS Parcels
- TRANSFER PARCELS:**
- Future FOST or FOSET Property
- TI FOST Property
- YBI FOST Property
- California Department of Transportation (Caltrans)
- Job Corps Property
- U.S. Coast Guard Property
- INVESTIGATION SITES:**
- Petroleum Program Sites
- CERCLA Program Sites
- Site 13

- 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:
- 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 U.S. Coast Guard
 - YBI Yerba Buena Island

(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**

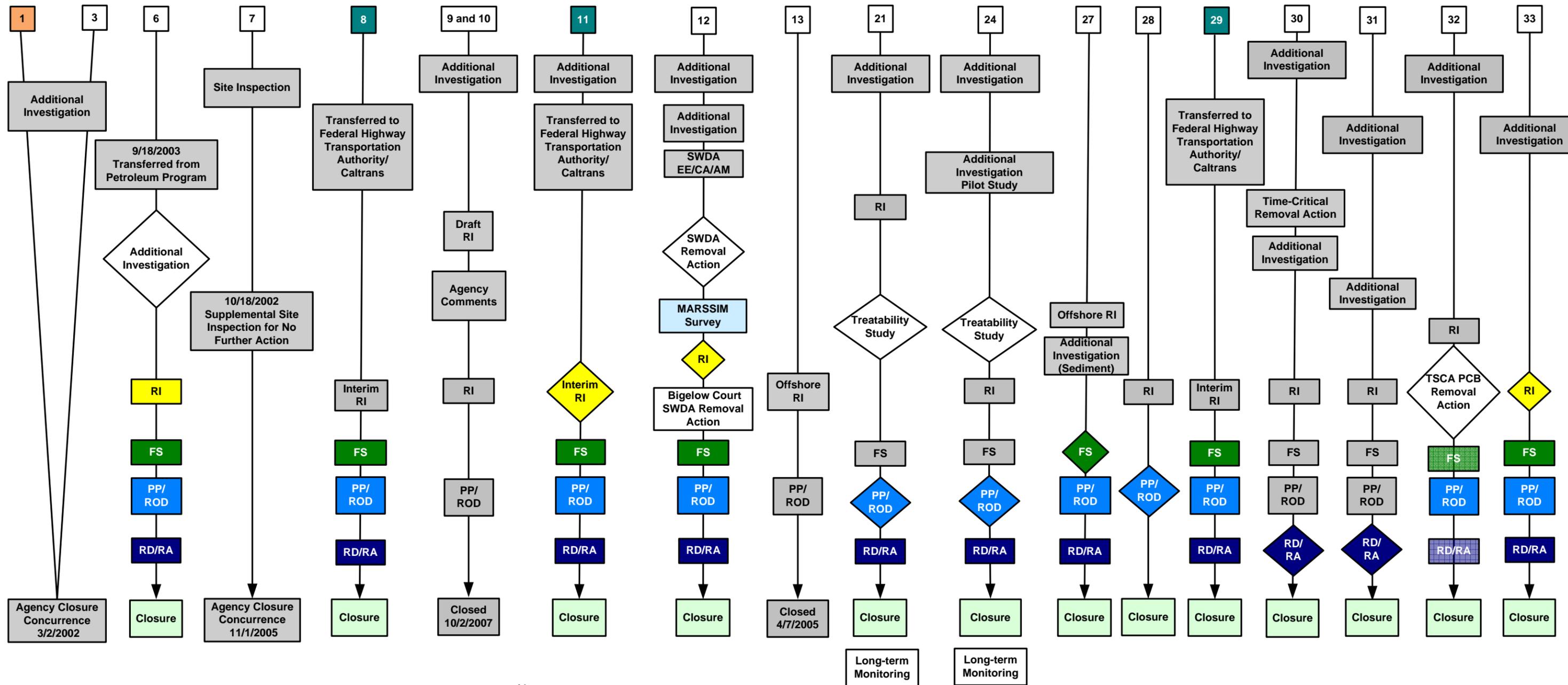
Site Management Plan 2009

**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, VOCs, SVOCs	Transferred from Petroleum Program on September 18, 2003. Additional investigation (data gap investigation) is being conducted.
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 is being finalized.
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 is 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	Treatability study of plume area in operation; Focused FS report submitted February 1, 2009.
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	Treatability study of plume area in operation; RI and Focused FS reports were submitted July 2008.
SITE 27	Clipper Cove Skeet Range - Skeet range was operated for 10 years.	Lead shot, lead, PAHs	FS report is being finalized.
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 and ROD are being prepared.
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 burial	Dioxins, lead, copper	ROD finalized August 5, 2009.
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.
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 is in progress. If necessary, a FS Report will be prepared following the PCB remediation.
SITE 33	Water Line Replacement Area - Area where debris was observed in water line trench during extensive historical repairs.	Metals	RI report is being finalized.
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.	Petroleum fuels and waste, VOCs, SVOCs	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.
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. Draft revised request for concurrence with NFA issued on August 6, 2009.
Pipeline Sites	Inactive fuel pipelines.	Petroleum	NFA concurrence letters for selected pipelines sites received from Water Board on various dates; YF3 and USCG await completion of Caltrans activities.
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	PA/SI	Preliminary assessment/site inspection
Caltrans	California Department of Transportation	PCB	Polychlorinated biphenyls
Cal/EPA	California Environmental Protection Agency	RI	Remedial investigation
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	ROD	Record of decision
DDT	Dichlorodiphenyltrichloroethane	SVOC	Semivolatile organic compounds
EE/CA	Engineering evaluation/cost analysis	TPH	Total petroleum hydrocarbons
FS	Feasibility study	TSCA	Toxic Substances Control Act
Metals	Chromium, arsenic, beryllium, thallium, lead, manganese, nickel, and cadmium	UST	Underground storage tank
N/A	Not applicable	VOC	Volatile organic compounds
NFA	No further action	Water Board	Cal/EPA San Francisco Bay Regional Water Quality Control Board
PAH	Polycyclic aromatic hydrocarbons	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
- FOSET Finding of suitability for early transfer
- FOST Finding of suitability to transfer
- FS Feasibility study
- MARSSIM Multi-Agency Radiation Survey and Site Investigation Manual
- PP Proposed plan
- RA Remedial action
- RD Remedial design
- RI Remedial investigation
- ROD Record of decision
- SWDA Solid waste disposal area
- TI Treasure Island
- YBI Yerba Buena Island

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. Site 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 may be impacted.

At Site 32, a PCB removal action is ongoing, upon completion, the need for an FS and RD/RA will be determined.

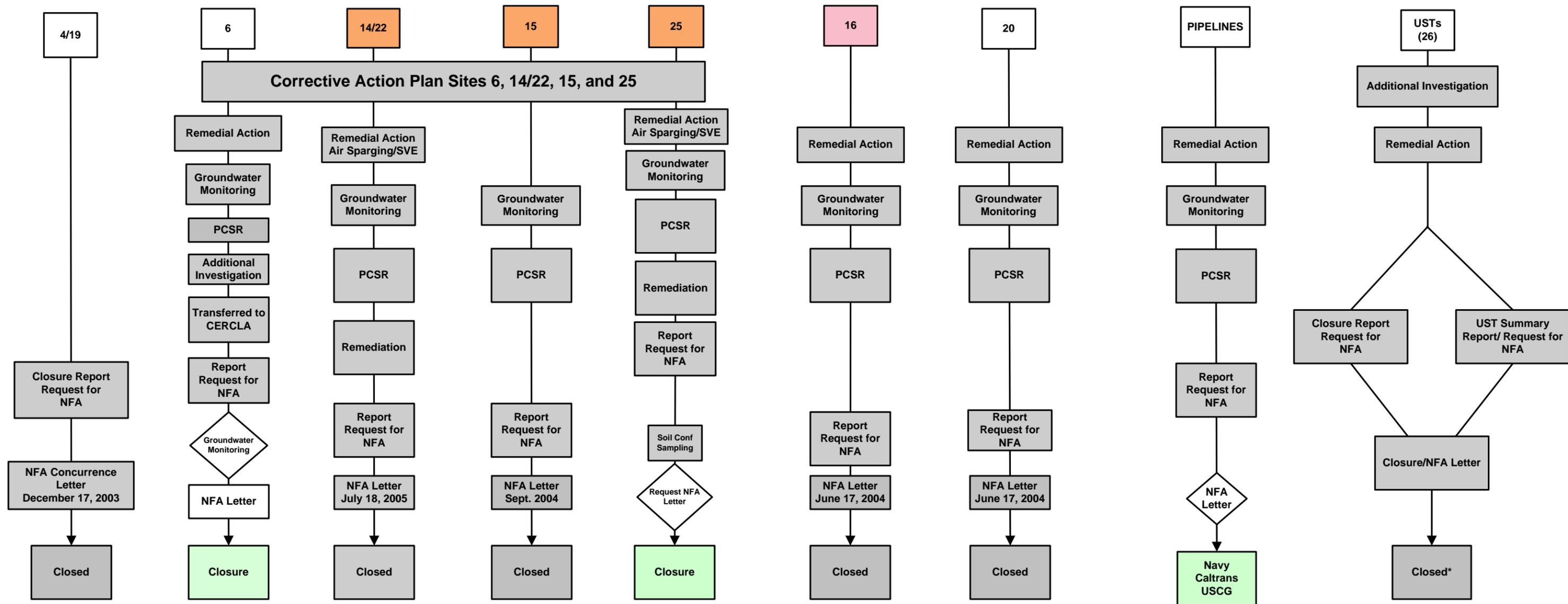
- Shape indicates current ongoing activity, activities below this point are anticipated as of this update.
- Shading indicates activity completed
- 1 TI FOST property
- 8 Caltrans property
- 6 FOSET property
- RI Indicates RI
- MARSSIM MARSSIM Survey
- FS Indicates FS
- ROD/PP Indicates ROD/PP
- RD/RA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



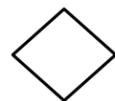
Naval Station Treasure Island
Department of the Navy, BRAC PMO West, San Diego, CA

FIGURE 2
CERCLA PROGRAM SITE STRATEGY
FLOW CHART

Site Management Plan 2009



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



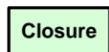
6 FOSET property



Indicates Report and Request for No Further Action



Indicates No Further Action Concurrence Letter



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 though 248D (Site 6) and 143A through 143I and 2B (Site 25). These tanks were proposed for closure in their respective site closure reports. 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. Site 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
- PCSR Post-construction summary report
- SVE Soil vapor extraction
- TI Treasure Island
- USCG United States Coast Guard
- YBI Yerba Buena Island

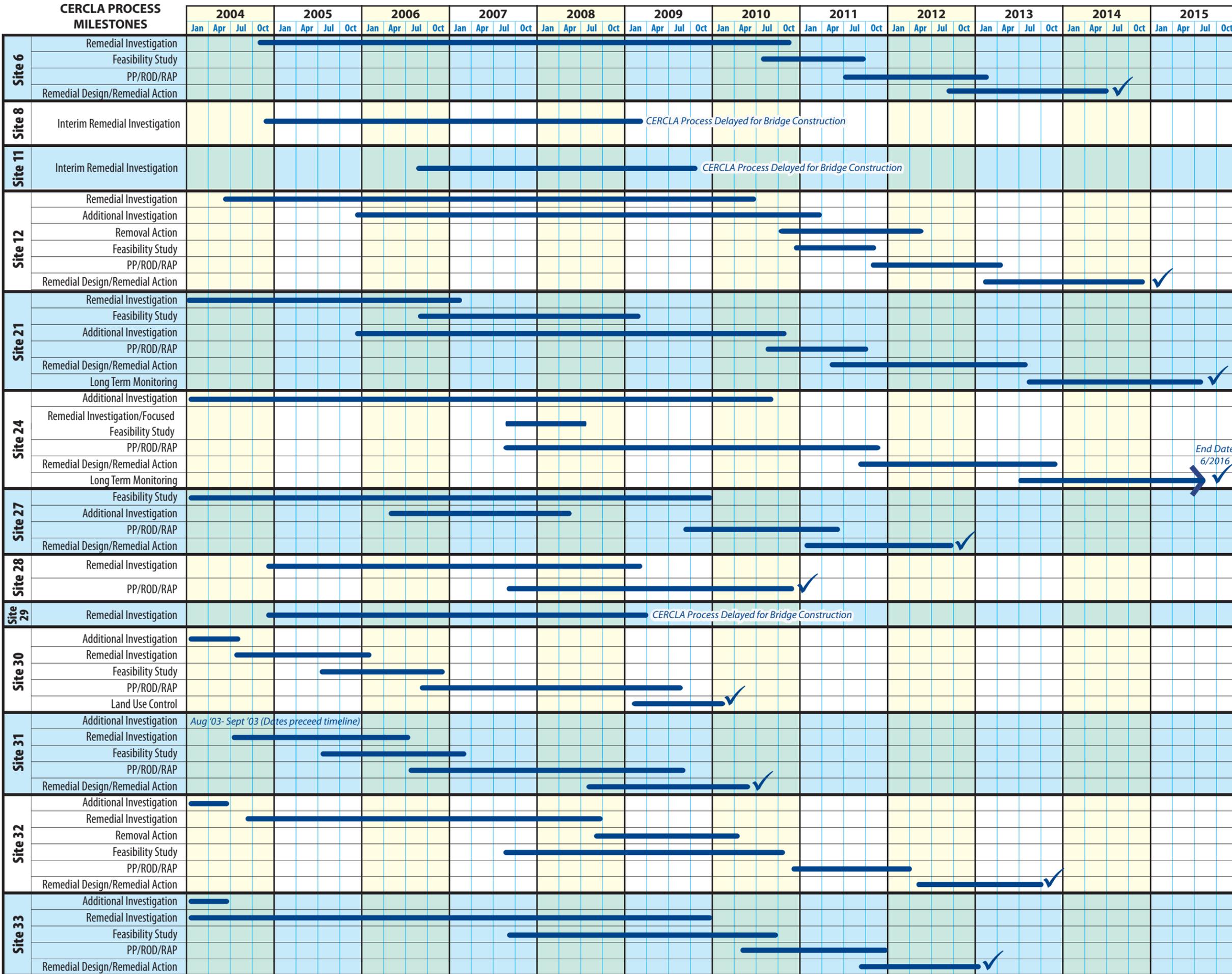


Naval Station Treasure Island
Department of the Navy, BRAC PMO West, San Diego, CA

FIGURE 3
PETROLEUM PROGRAM SITE
STRATEGY FLOW CHART

Site Management Plan 2009

CERCLA PROCESS MILESTONES



Notes:
 Sites 1 and 3 were closed in 2002.
 Site 7 was closed in 2005.
 Site 13 was closed in 2005.
 Sites 9 and 10 were closed in 2007.
 * Timelines refer to overall schedule. Specific sites may be completed at a different date, for example Sites 8, 28, and 29 may close out in the RI phase.

CA = Cost Analysis
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
 EE = Engineering Evaluation
 PP = Proposed Plan
 RAP = Remedial Action Plan
 ROD = Record of Decision
 ✓ = Site Completion



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

FIGURE 4
TIMELINE TO CLOSURE
CERCLA PROGRAM
 Site Management Plan 2009

PETROLEUM PROCESS MILESTONES		2002				2003				2004				2005				2006				2007				2008				2009				2010			
		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																																				
	Corrective Action Plan																																				
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	Groundwater Monitoring																																				
	Closure Summary Report																																				
Site 15	Site Investigation																																				
	Corrective Action Plan																																				
	Corrective Action																																				
	Groundwater Monitoring																																				
	Closure Summary Report																																				
Site 16	Site Investigation																																				
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	Groundwater Monitoring																																				
	Closure Summary Report																																				
Site 20	Site Investigation																																				
	Corrective Action Plan																																				
	Corrective Action																																				
	Groundwater Monitoring																																				
	Closure Summary Report																																				
Site 25	Site Investigation																																				
	Corrective Action Plan																																				
	Corrective Action																																				
	Groundwater Monitoring																																				
	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

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

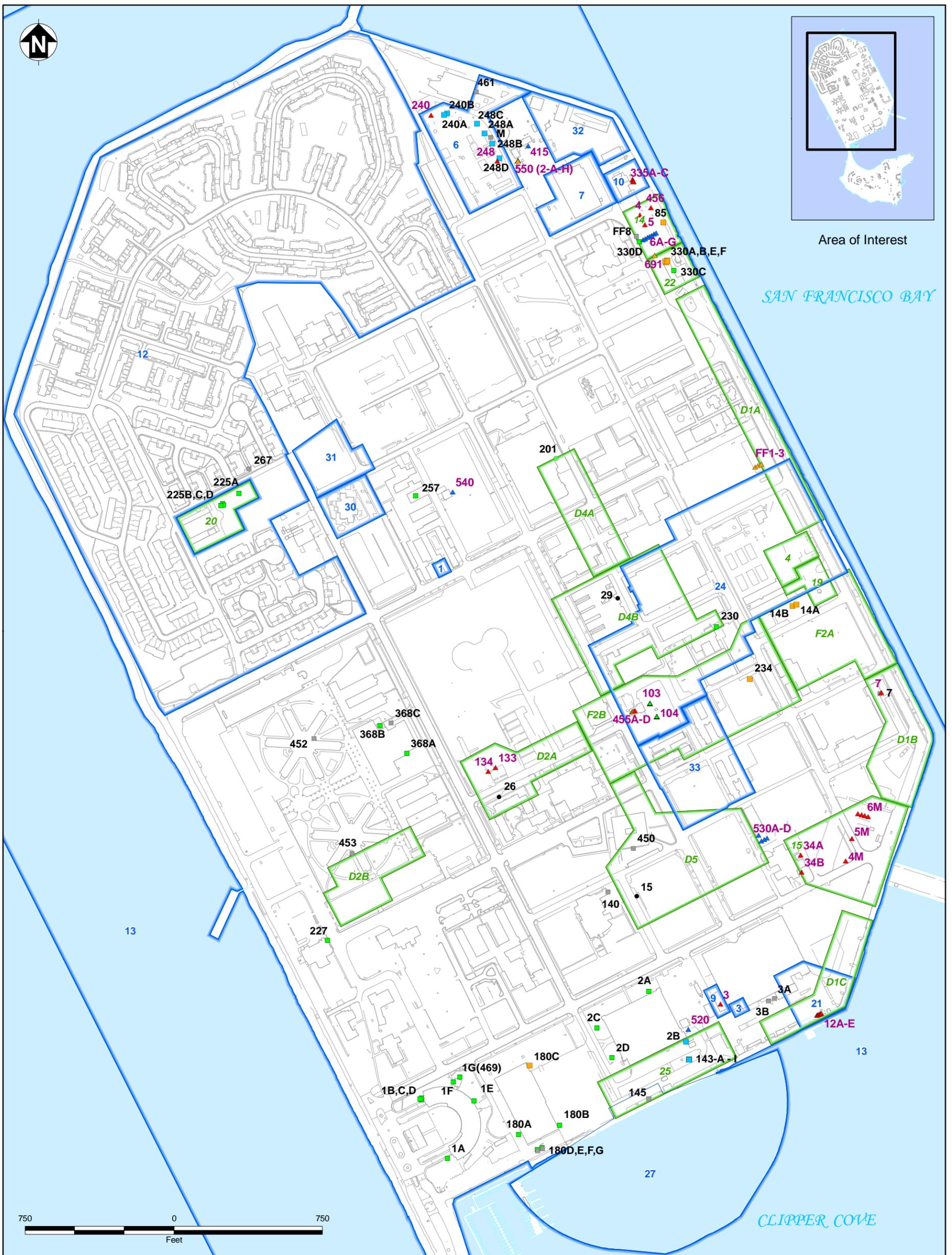
- 1 USTs associated with installation restoration (IR) sites will be closed under the site (ie: USTs 240A, 240B, 248A through 248D - Site 6 and USTs 143A through 143I and 2B - Site 25.)
- 2 Additional investigation of two pipelines (USCG and YF3) is on hold until Caltrans completes work in the area



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

**FIGURE 5
TIMELINE TO CLOSURE
PETROLEUM PROGRAM**

Site Management Plan 2009



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:
 CAP Corrective Action Plan
 CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 NFA No further action
 TI Treasure Island

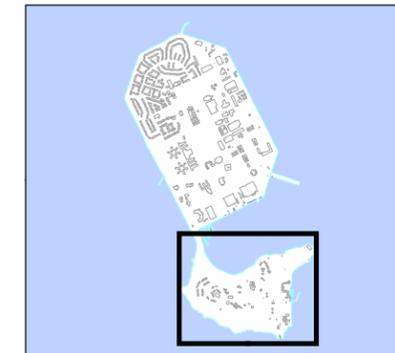
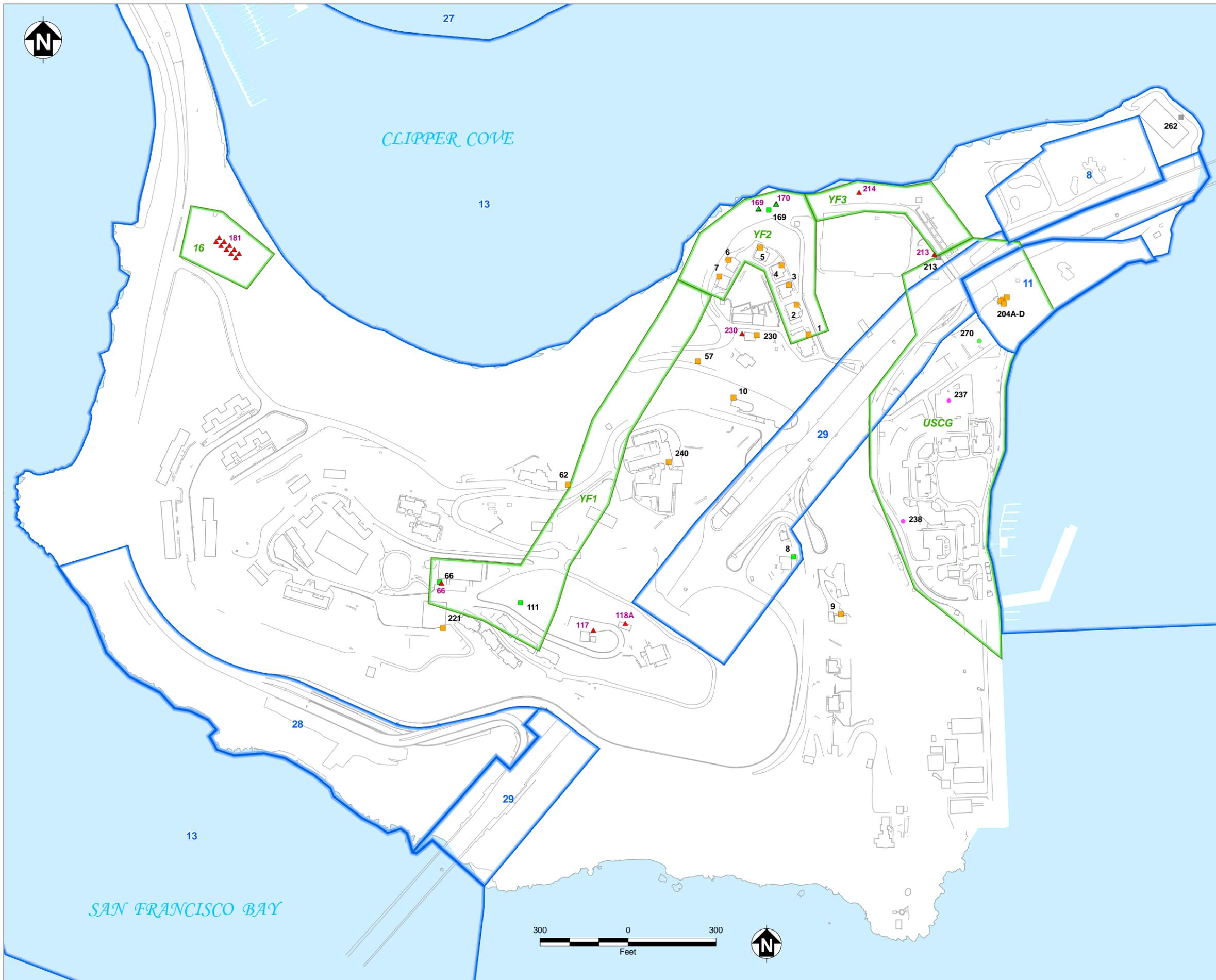
UST and AST point locations are not actual USTs or ASTs drawn to scale or shape for the purpose of this figure. The point locations are used to show relative locations of USTs and ASTs.



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

FIGURE 6
UNDERGROUND STORAGE TANKS
LOCATION MAP
TREASURE ISLAND

Site Management Plan 2009



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

NOTE:

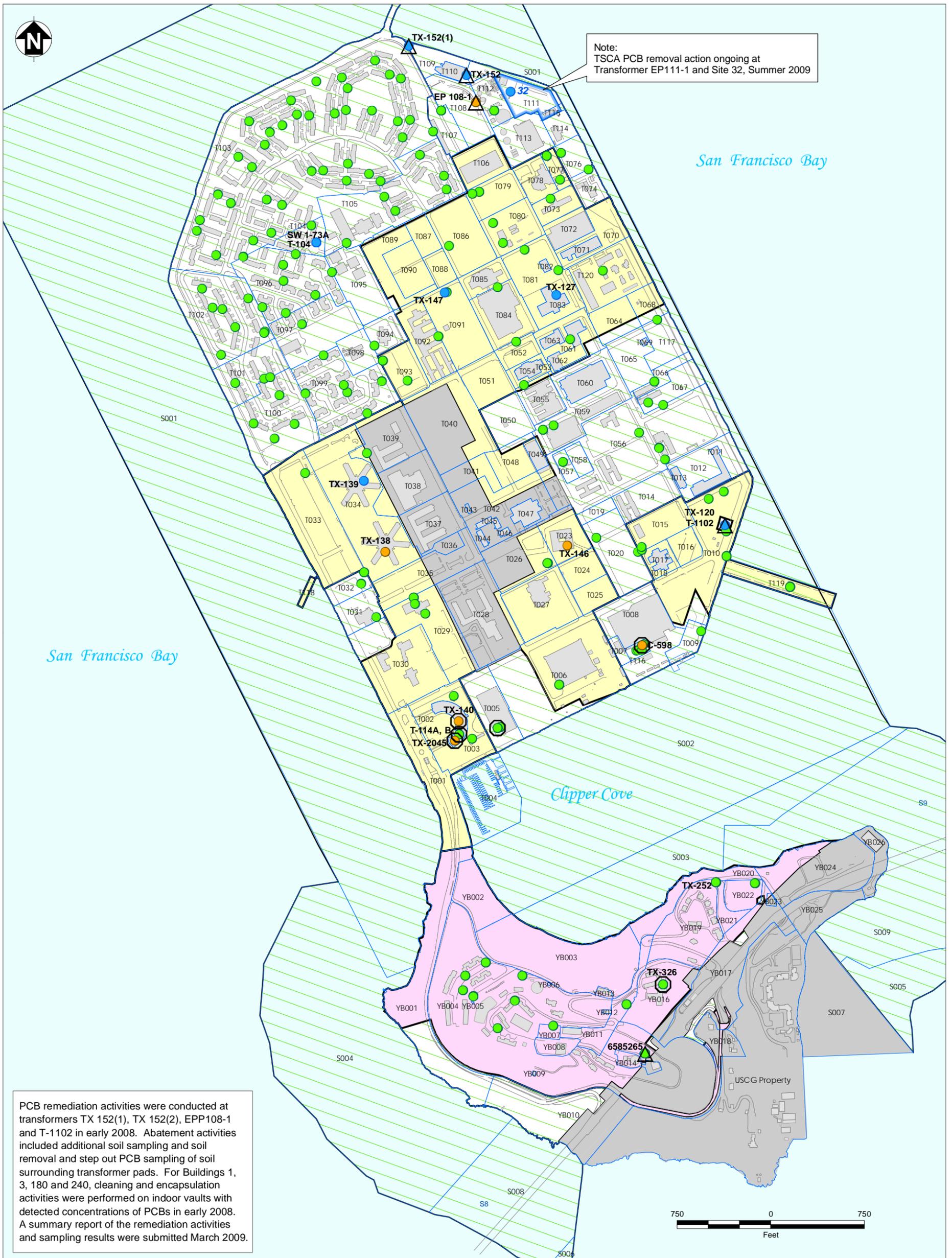
- UST Underground Storage Tank
- AST Above ground Storage Tank
- CAP Corrective Action Plan
- USCG United States Coast Guard
- YBI Yerba Buena Island

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.



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

FIGURE 7
UNDERGROUND STORAGE TANKS
LOCATION MAP
YERBA BUENA ISLAND
Site Management Plan 2009



Note:
TSCA PCB removal action ongoing at
Transformer EP111-1 and Site 32, Summer 2009

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.

- EBS Parcel
- Previously Transferred Property
- Building
- Future FOST or FOSET Property
- TI FOST Property
- YBI FOST Property
- Site 32

- Notes:
- 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
 - USCG U.S. Coast Guard
 - YBI Yerba Buena Island

- 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

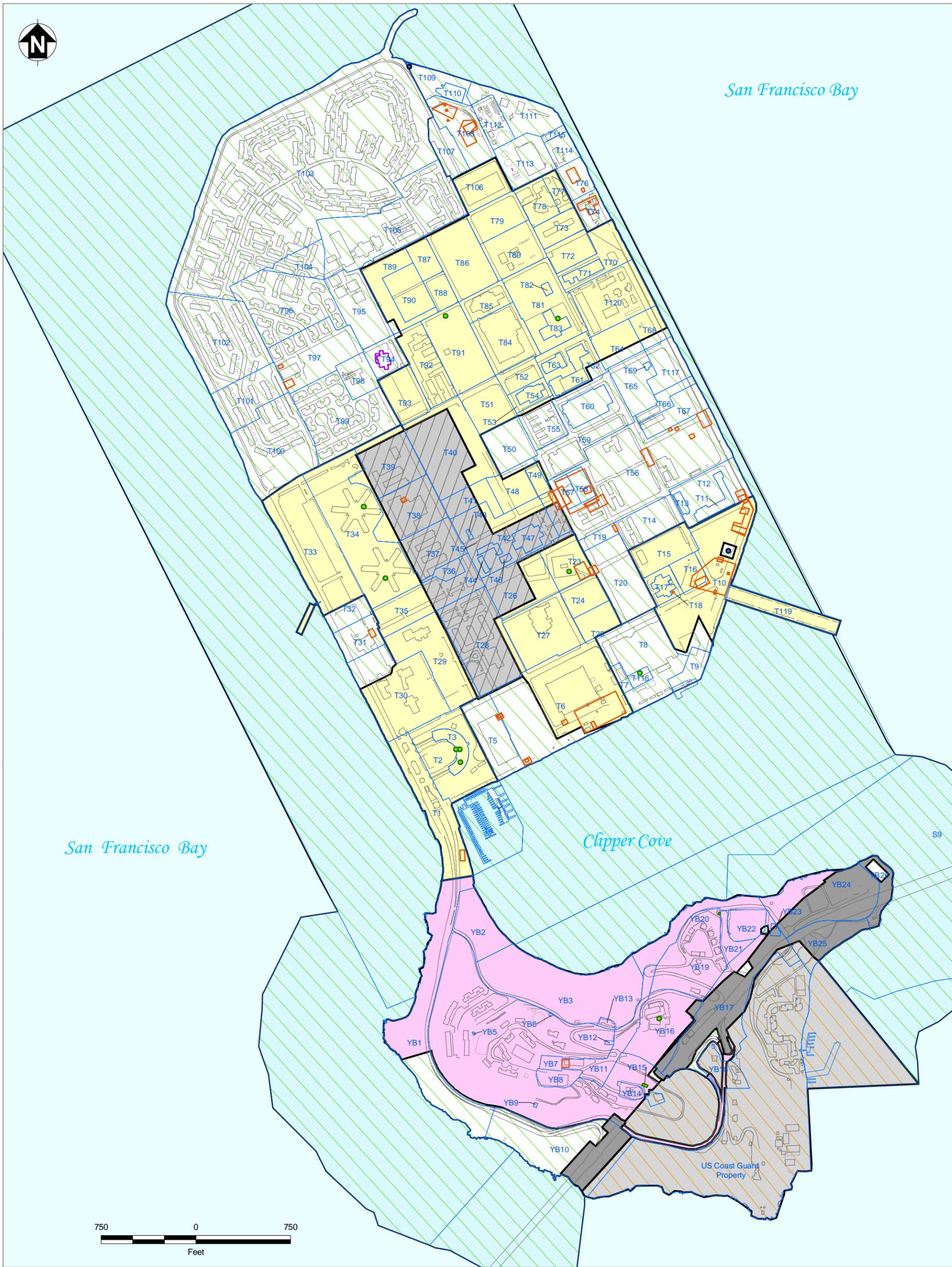
Comparison Criteria
 Low Occupancy Criteria = 25 mg/kg or 100 µg/100 cm²
 High Occupancy Criteria = 1 mg/kg or 10 µg/100 cm²



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

**FIGURE 8
 PCB PROGRAM STATUS**

Site Management Plan 2009



- PCB Site Subject to Restriction
- PCBs Remediated, NFA Concurrence Received
- EBS Parcel
- Deed Restriction for Residual Petroleum Constituents for Shallow and/or Deep Soil
- Appurtenance
- Future FOST or FOSET Property
- TI FOST Property
- YBI FOST Property
- California Department of Transportation (Caltrans) Property
- Job Corps Property
- U.S. Coast Guard Property

- Site 13
- CERCLA Site Institutional Controls
- Building
- Road Edge or Similar Landscape Feature

Notes:
 EBS Environmental baseline survey
 FOSET Finding of suitability for early transfer
 FOST Finding of suitability to transfer
 NFA No Further Action
 TI Treasure Island
 YBI Yerba Buena Island

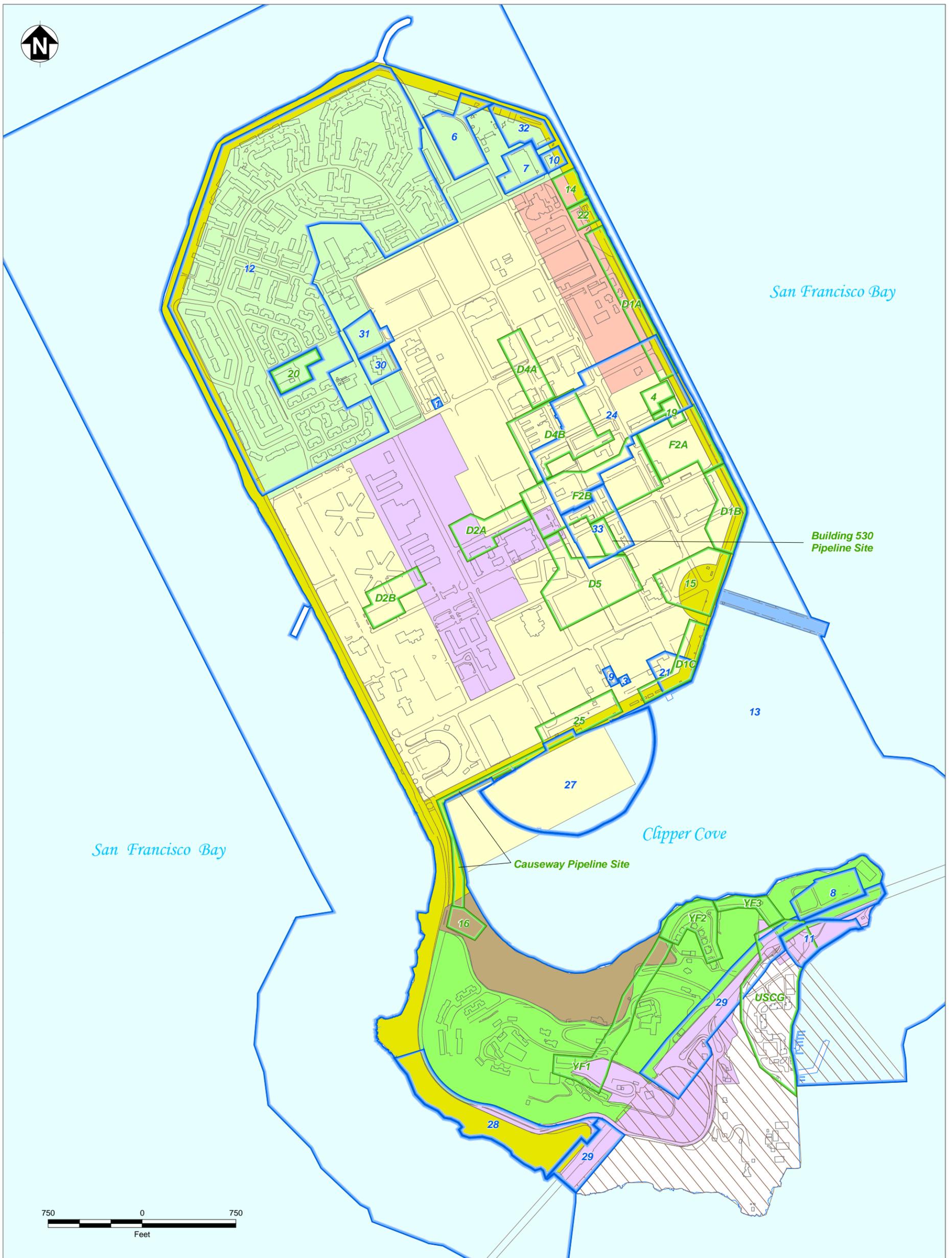
Source:
 Navy. 2006. Final FOST for Property on TI. February 15.
 Navy. 2006. Final FOST for Property on YBI. March 22.



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

**FIGURE 9
 TRANSFER AND EBS PARCELS**

Site Management Plan 2009



- ROADS
- BUILDINGS
- U.S.COAST GUARD PROPERTY
- PETROLEUM PROGRAM SITES
- CERCLA PROGRAM SITES
- 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

Notes:

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.

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act



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

FIGURE 10
PLANNED REUSE AREAS,
CERCLA AND PETROLEUM
INVESTIGATION SITES
Site Management Plan 2009

APPENDIX A
SITE SUMMARY INFORMATION

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[Petroleum Program](#)

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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	TI finding of suitability to transfer (FOST) property
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	Finding of suitability for early transfer (FOSET)
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 OWSs throughout the site. Remediation also included evaluation and excavation of free product near USTs 240A and 240B and the OWS. In addition to the petroleum corrective action, Shaw's 2004 report identified where dioxin-bearing shallow soils were excavated in October 2002 in a broad area near former UST 248C and in another broad area near former USTs 248A and 248D. Due to the dioxin-bearing soil remaining after the excavation, the site entered the CERCLA program on September 18, 2003.

Additional investigations were completed in October 2004 under the Petroleum Program to evaluate volatile organic compounds (VOC) in soil, soil gas, and groundwater near former USTs 240A and 240B. Groundwater continues to be monitored semi annually under the CERCLA Program. Further investigation and delineation of dioxins 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, shown in [Figure 1](#), includes 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. The RI report is currently on hold while the Navy plans and conducts a

data gap investigation, inclusive of a soil gas investigation. Once the Navy has completed the data gap investigation, the RI Report will be prepared. The RI Report will incorporate comments received on the proposed boundary revision request.

During 2008, Site 6 was utilized as a temporary excavated soil staging and loading area 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, and only low level radiological waste that has been characterized and placed in sealed bins is stored at Site 6 while awaiting off-site disposal. Once the NTCRA has been completed a Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) final status survey will be conducted at Site 6.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
Regulatory Classification	CERCLA
Acreage	4.54
Sources of Concern	USTs; firefighting training area; OWSs
Contaminants of Concern	Dioxins, VOCs, semivolatile organic compounds (SVOC)
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 planned. • 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: July 2014

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	FOSET
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 SVOCs 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 IR 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, and is discussing site closeout with Caltrans.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. 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	Interim RI report (for Sites 8 and 29) was submitted in March 2009.
USTs/ASTs	None
Estimated Site Closeout	July 2021

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 indexes 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	FOSET
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	FOSET
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 IR 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 California Environmental Protection Agency (Cal/EPA) San Francisco Bay Regional Water Quality Control Board (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 Navy is finalizing the Interim RI report for Site 11 and is discussing site closeout with Caltrans.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	On Caltrans-owned property
Regulatory Classification	CERCLA; UST
Acreage	2.88
Source of Concern	Landfill solid waste (unknown type); USTs and fuel pipeline; LBP from the SFOBB
Contaminants of Concern	Total petroleum hydrocarbon (TPH), polycyclic aromatic hydrocarbons (PAH), VOCs, and metals
Interim Actions	None
Current Status	Interim RI report is being finalized.
USTs/ASTs	USTs 270, 204A through 204D; removed
Estimated Site Closeout	June 2021 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).

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. 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 2009. An evaluation of human health risks from the low level radium-226 at Buildings 1235, 1237, 1211, 1213, and 1328 was prepared and will be finalized in 2009.

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. Even though Bigelow Court was included in the 2006 EE/CA, the removal action has been delayed pending the re-evaluation of data for the Halyburton Court EE/CA.

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 recommended the EE/CA be cancelled and the risk in the area 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.

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. The RI report is being prepared.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
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 being evaluated in the area near Buildings 1311 and 1313. • 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	December 2014

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	FOSET
Regulatory Classification	CERCLA
Acreage	538
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. Building 289 is currently used by the sailing center to store boating supplies and gear. Gasoline and paint are stored in flammable lockers within the building; Building 290 is also being used by the sailing center to store boating supplies, rigging, bicycles, and such, but no hazardous materials; Buildings 325 and 355 are currently not being used and are empty.

A treatability study, to evaluate cleanup alternatives for contaminated groundwater at Site 21, started in August 2005 and is currently in operation. 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, and a Proposed Plan will be prepared upon completion of the treatability study.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
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 in progress.
USTs/ASTs	ASTs 12A through 12E; removed
Estimated Site Closeout	October 2015

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, IR 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.

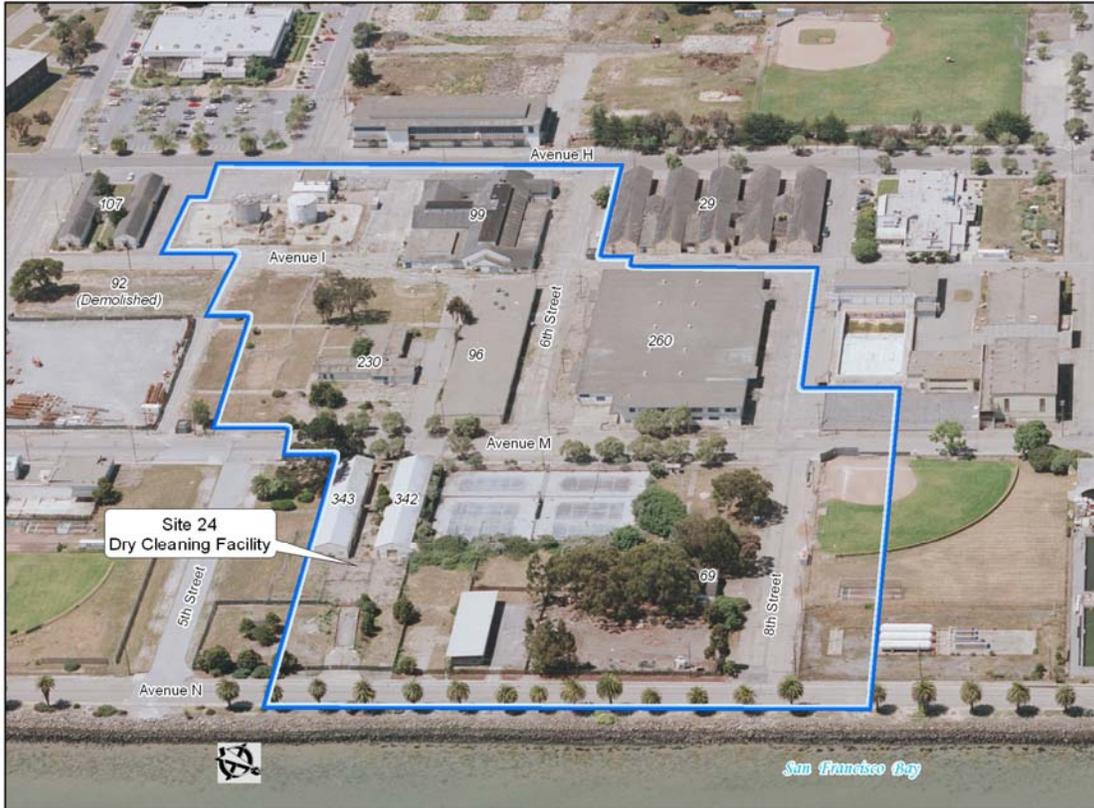
Former Petroleum Program Sites 4 and 19 are also within the Site 24 boundary. In December 2003, the Regional Water Board concurred NFA is required for petroleum contamination at Sites 4 and 19. In addition, former fuel pipelines D1, D2, D4, and F2 traversed portions of Site 24. Fuel leaks associated 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 IR 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 ($\mu\text{g/L}$) 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 2009.

The Final RI/FFS was submitted July 3, 2008. A Proposed Plan will be prepared upon completion of the treatability study.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
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"> Final RI/FFS was submitted on July 3, 2008. Expanded treatability study in progress.
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	July 2016

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 IR Site 27 (Remedial Project Manager/BCT Meeting Minutes October 1993). In 1996, samples were collected at IR 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 IR 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. An FS report is being finalized.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
Regulatory Classification	CERCLA
Acreage	19.55
Source of Concern	Skeet range
Contaminants of Concern	Lead shot, lead, and PAHs
Interim Actions	None
Current Status	Revised FS report, inclusive of the sediment investigation results, is being finalized.
USTs/ASTs	None
Estimated Site Closeout	January 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 1993 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 IR 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; therefore a NFA PP and ROD will be prepared.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
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 and ROD are being prepared.
USTs/ASTs	None
Estimated Site Closeout	January 2011

SITE 29 – EAST SIDE ON/OFF RAMP

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 IR 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.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	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	Interim RI report was submitted in March 2009.
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	July 2021

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) workplan is being prepared.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
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	<ul style="list-style-type: none"> • ROD was signed August 5, 2009. • LUC work plan is being prepared..
USTs/ASTs	None
Estimated Site Closeout	March 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 remedial design and remedial action work plan is being prepared.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
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"> • ROD signed on August 5, 2009. • Remedial Design Remedial Action Work Plan is being prepared.
USTs/ASTs	None
Estimated Site Closeout	July 2010

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 (IR 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 is ongoing at Site 32. If necessary, a FS Report will be prepared following the planned PCB remediation.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
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 is ongoing.
USTs/ASTs	None
Estimated Site Closeout	October 2013

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. An RI Report is being finalized.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
Regulatory Classification	CERCLA
Acreage	4.89
Source of Concern	Debris disposal area
Contaminants of Concern	Arsenic and lead
Interim Actions	None
Current Status	RI report is being finalized.
USTs/ASTs	None
Estimated Site Closeout	March 2013

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	FOSET
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 Navy firefighting training school, was used for nearly 50 years (1944 to 1992) for 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, gasoline, magnesium, and wood were set in various mockups in the training yard and extinguished with a mixture of water, biodegradable soap, and industrial talc. Approximately 19,000 gallons of gasoline and 32,000 gallons of diesel were used each year for firefighting training. Wastewater along with unburned gasoline and diesel fuels were collected in a concrete collector trench (installed 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 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 WWTP, constructed in 1968; 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 the 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 located 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 before 1995. UST M, a previously suspected UST for coolant, was reported in Shaw's 2004 "Facilitywide Underground Storage Tank Summary Report," dated August 25, 2004, as never having been installed; this conclusion was 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 petroleum-contaminated soils near the USTs, pipelines, and OWSs throughout the site, and evaluation and excavation of free product near USTs 240A and 240B and the OWS. In addition to the petroleum corrective action, Shaw's 2004 "Post-Construction Summary Report, Site 6 Fire Training School Remedial Excavation" identified where dioxin-bearing shallow soils were identified and excavated in October 2002, in a broad area near former UST 248C and another broad area near former USTs 248A and 248D.

Additional investigations were completed in October 2004 under the Petroleum Program to evaluate VOCs in soil, soil gas, and groundwater near former USTs 240A and 240B. Groundwater continues to be monitored semi annually under the CERCLA Program. Further investigation and delineation of dioxins detected in soil was conducted under the CERCLA Program as part of the EBS data gaps investigation in 2003. Based on investigation results, the BCT agreed to a boundary revision for the CERCLA site at the June 7, 2005 BCT meeting. The boundary revision, shown in [Figure 1](#), includes 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. The RI report is currently on hold while the Navy plans and conducts a data gap evaluation, inclusive of a soil gas investigation. Once the Navy has completed the data gap investigation, the RI Report will be prepared including comments received on the proposed boundary revision request will be incorporated.

During 2008, Site 6 was utilized as a temporary excavated soil staging and loading area for the Site 12 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, and only low level radiological waste that has been characterized and placed in sealed bins is stored at Site 6 while awaiting off-site disposal. Once the NTCRA has been completed a MARSSIM final status survey will be conducted at Site 6.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOSET
Regulatory Classification	Petroleum; CERCLA
Acreage	3.4
Sources of Concern	USTs; firefighting training area; OWSs
Contaminants of Concern	Petroleum fuel and waste
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"> • Final Closure Report Site 6 requesting NFA submitted December 16, 2005. • Regional Water Board did not concur with NFA request on May 15, 2006. • Groundwater monitoring continues. • Additional data gap investigation 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	April 2010

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	FOST
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	FOST
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	FOST
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	FOSET
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 a revised request for concurrence on NFA on August 6, 2009.



Aerial photographs taken by Air Flight Service for Tetra Tech Inc. on May 15, 2009.

Transfer Category	FOST
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. • Draft Revised Request for NFA submitted August 6, 2009.
USTs/ASTs	USTs 2B, 145, 143A-I; suspected
Estimated Site Closeout	December 2009

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.

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. [Figures 6 and 7](#) show the current status of all known and suspected USTs at TI and YBI, respectively.

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.

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.

Transfer Category	Mixed
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	April 2010 (excluding UST 238 on YBI, which will await end of SFOBB construction)

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. Any outstanding environmental issues at Inactive Fuel Line YF3, identified by the Petroleum Program will be addressed after the completion of SFOBB construction activities.

Closed Fuel Lines

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

Transfer Category	Mixed
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. <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

Regulatory Interaction Support

Community Relations Program

Groundwater Monitoring Program

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 is planned for Site 32 under the TSCA PCB remediation program.

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	Mixed
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 is being conducted.
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 continues in 2009. 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	Mixed
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 underway in 2009. • 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. Plans are to demolish the building.

A non-time-critical removal action (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 2009.

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.

Transfer Category	Basewide
Regulatory Classification	Multi-agency Radiation Survey and Site Investigation Manual
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	The NTCRA of Site 12 SWDAs is underway (with MARSSIM survey).
USTs/ASTs	Not applicable
Estimated Site Closeout	Site 12 December 2010

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, SSPTS 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 continues into 2009. A re-evaluation of ACM is planned in 2011 or within one year of transfer, whichever occurs first.

Transfer Category	Basewide
Regulatory Classification	Clean Air Act
Source of Concern	ACM
Contaminants of Concern	Friable, accessible ACM
Interim Actions	<ul style="list-style-type: none">• 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">• 2009 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

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 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.

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

APPENDIX B
ENVIRONMENTAL SCHEDULE

SITE-SPECIFIC INDEX

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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	Site Closed. Received agency concurrence on March 20, 2002.
Site 2	CERCLA	Site Closed. Site recommended for NFA in 1988 Final PA/SI.
Site 3	CERCLA	Site 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	Site 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	Site Closed. Received agency concurrence on November 1, 2005.
Site 8	CERCLA	Active
Site 9	CERCLA	Site Closed. No Action ROD signed October 2, 2007.
Site 10	CERCLA	Site Closed. No Action ROD signed October 2, 2007.
Site 11	CERCLA	Active
Site 12	CERCLA	Active
Site 13	CERCLA	Site Closed. No Action ROD signed April 7, 2005.
Site 14/22	Petroleum	NFA concurrence letter received from Regional Water Board dated July 18, 2005.
Site 15	Petroleum	NFA concurrence letter received from Regional Water Board dated September 2004.
Site 16	Petroleum	NFA concurrence letter received from Regional Water Board dated June 17, 2004.
Site 17	Petroleum	Site Closed. Merged into Site 24 by letter dated January 17, 2001.
Site 18	CERCLA	Site Closed. Site recommended for NFA in 1988 Final PA/SI.
Site 20	Petroleum	NFA concurrence letter received from Regional Water Board dated June 17, 2004.
Site 21	CERCLA	Active
Site 23	CERCLA	Site Closed. Site recommended for NFA in 1988 Final PA/SI.
Site 24	CERCLA	Active
Site 25	Petroleum	Active
Site 26	Petroleum	Site 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 IR Sites 6 and 25, all USTs have received concurrence letters and are closed.

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
1		CERCLA PROGRAM	6789 days	Wed 3/20/02	Fri 7/16/21	
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
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
116		SITE 6 (CERCLA)	3891 days	Mon 5/12/03	Fri 7/18/14	
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	644 days	Mon 2/2/09	Mon 11/8/10	
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	203 days	Mon 5/18/09	Mon 12/7/09	
138		Prepare Internal Draft Data Gap Investigation Work Plan	45 edays	Mon 5/18/09	Thu 7/2/09	
139		Navy Review Internal Draft Data Gap Investigation Work Plan	14 edays	Thu 7/2/09	Thu 7/16/09	138
140		Prepare Draft Data Gap Investigation Work Plan	46 edays	Thu 7/16/09	Mon 8/31/09	139
141		Agency Review Draft Data Gap Investigation Work Plan	30 edays	Mon 8/31/09	Wed 9/30/09	140
142		Prepare Response to Agency Comments and Internal Final Data Gap Investigation Work Plan	14 edays	Wed 9/30/09	Wed 10/14/09	141
143		Meeting to Discuss Resolution of Comments on Data Gap Investigation Work Plan	0 edays	Wed 10/7/09	Wed 10/7/09	142FS-7 edays
144		Prepare Internal Final Data Gap Investigation Work Plan	37 edays	Wed 10/7/09	Fri 11/13/09	143
145		Navy Review Internal Final Data Gap Investigation	10 edays	Fri 11/13/09	Mon 11/23/09	144
146		Prepare Final Data Gap Investigation Work Plan	14 edays	Mon 11/23/09	Mon 12/7/09	145
147		Conduct Data Gap Field Investigation	21 edays	Mon 12/7/09	Mon 12/28/09	146
148		Data Gap Investigation Lab Analysis and Validation	30 edays	Mon 12/28/09	Wed 1/27/10	147
149		RI Report Preparation for Site 6	285 days	Wed 1/27/10	Mon 11/8/10	
150		Prepare Revised HHRA for Internal Draft Site 6 RI	61 edays	Wed 1/27/10	Mon 3/29/10	148
151		Prepare RI Text Site 6 Internal Draft	45 edays	Mon 3/29/10	Thu 5/13/10	150
152		QCC Review Site 6 Internal Draft RI	22 edays	Thu 5/13/10	Fri 6/4/10	151
153		Navy Review of Internal Draft RI - Site 6	31 edays	Fri 6/4/10	Mon 7/5/10	152
154		Draft RI - Site 6	14 edays	Mon 7/5/10	Mon 7/19/10	153
155		Agency Review of Draft RI - Site 6	30 edays	Mon 7/19/10	Wed 8/18/10	154
156		Preliminary RTCs on Draft RI - Site 6	28 edays	Wed 8/18/10	Wed 9/15/10	155
157		Meeting to Discuss Preliminary RTCs on Draft RI - Site 6	0 edays	Wed 9/15/10	Wed 9/15/10	156
158		Internal Final RI - Site 6	30 edays	Wed 9/15/10	Fri 10/15/10	157
159		Navy Review of Internal Final RI - Site 6	10 edays	Fri 10/15/10	Mon 10/25/10	158
160		Final RI - Site 6	14 edays	Mon 10/25/10	Mon 11/8/10	159
161		FEASIBILITY STUDY FOR SITE 6	355 days	Wed 9/15/10	Mon 9/5/11	
162		Navy to award contract for Site 6 FS, PP/ROD	61 edays	Wed 9/15/10	Mon 11/15/10	158SS
163		Internal Draft FS for Site 6	91 edays	Mon 11/15/10	Mon 2/14/11	162,158

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

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
164		BCT Scoping Meeting for Site 6 FS	0 days	Thu 12/16/10	Thu 12/16/10	163SS+31 edays
165		Navy Technical Review of Internal Draft FS for Site 6	30 edays	Mon 2/14/11	Wed 3/16/11	163
166		Incorporate Navy Technical Comments on Site 6 Internal Draft FS	14 edays	Wed 3/16/11	Wed 3/30/11	165
167		Navy Legal Review of Site 6 Internal Draft FS	30 edays	Wed 3/30/11	Fri 4/29/11	166
168		Draft FS for Site 6	14 edays	Fri 4/29/11	Fri 5/13/11	167
169		Agency Review of Draft FS for Site 6	31 edays	Fri 5/13/11	Mon 6/13/11	168
170		Preliminary RTCs on Draft FS - Site 6	28 edays	Mon 6/13/11	Mon 7/11/11	169
171		Meeting to Discuss Preliminary RTCs on Draft FS - Site 6	0 edays	Mon 7/11/11	Mon 7/11/11	170
172		Internal Final for Site 6 FS	30 edays	Mon 7/11/11	Wed 8/10/11	171
173		Navy Review of Internal Final for Site 6 FS	12 edays	Wed 8/10/11	Mon 8/22/11	172
174		Final FS for Site 6	14 edays	Mon 8/22/11	Mon 9/5/11	173
175		PP/DRAFT RAP FOR SITE 6	324 days	Mon 7/11/11	Wed 5/30/12	
176		Prepare Internal Draft PP and Internal Draft RAP for Site 6	91 edays	Mon 7/11/11	Mon 10/10/11	172SS
177		BCT Scoping Meeting for Site 6 PP/ROD/RAP	0 edays	Thu 8/11/11	Thu 8/11/11	176SS+31 edays
178		Navy Technical Review of Internal Draft PP and Internal Draft RAP for Site 6	31 edays	Mon 10/10/11	Thu 11/10/11	176
179		Incorporate Navy Technical Comments on Internal Draft PP and Internal Draft RAP for Site 6	14 edays	Thu 11/10/11	Thu 11/24/11	178
180		Navy Legal Review of Internal Draft PP and Internal Draft RAP for Site 6	29 edays	Thu 11/24/11	Fri 12/23/11	179
181		Prepare Draft PP and Draft RAP for Site 6	14 edays	Fri 12/23/11	Fri 1/6/12	180
182		Agency Review of Draft PP and Draft RAP for Site 6	30 edays	Fri 1/6/12	Sun 2/5/12	181
183		Prepare Preliminary RTCs on Draft PP and Draft RAP for Site 6	28 edays	Sun 2/5/12	Sun 3/4/12	182
184		Meeting to Discuss Preliminary RTCs on Draft PP and Draft RAP for Site 6	0 edays	Sun 3/4/12	Sun 3/4/12	183
185		Prepare Internal Final PP and Internal Final RAP for Site 6	31 edays	Sun 3/4/12	Wed 4/4/12	184
186		Navy Review of Internal Final PP and Internal Final RAP for Site 6	10 edays	Wed 4/4/12	Sat 4/14/12	185
187		Prepare Final PP and Draft Final RAP for Site 6	14 edays	Sat 4/14/12	Sat 4/28/12	186
188		Public Notice of Final PP and Draft Final RAP for Site 6	0 edays	Sat 4/28/12	Sat 4/28/12	187
189		Public Comment Period of Final PP and Draft Final RAP for Site 6	32 edays	Sat 4/28/12	Wed 5/30/12	188
190		Finalize Administrative Record for Final PP and Draft Final RAP for Site 6	0 edays	Wed 5/30/12	Wed 5/30/12	189
191		Public Meeting for Final PP and Draft Final RAP for Site 6	0 edays	Wed 5/30/12	Wed 5/30/12	190
192		ROD/RAP for Site 6	324 days	Wed 4/4/12	Thu 2/21/13	
193		Prepare Internal Draft ROD and Draft Final RAP for Site 6	91 edays	Wed 4/4/12	Wed 7/4/12	186SS
194		BCT Scoping Meeting for ROD and Draft Final RAP for Site 6	0 edays	Fri 5/4/12	Fri 5/4/12	193SS+30 edays
195		Navy Technical Review of Internal Draft ROD and Draft Final RAP for Site 6	30 edays	Wed 7/4/12	Fri 8/3/12	193
196		Incorporate Navy Technical Comments on Internal Draft ROD and Draft Final RAP for Site 6	14 edays	Fri 8/3/12	Fri 8/17/12	195

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

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
197		Navy Legal Review of Internal Draft ROD and Draft Final RAP for Site 6	30 edays	Fri 8/17/12	Sun 9/16/12	196
198		Prepare Draft ROD and Final RAP for Site 6	14 edays	Sun 9/16/12	Sun 9/30/12	197
199		Agency Review of Draft ROD and Final RAP for Site 6	31 edays	Sun 9/30/12	Wed 10/31/12	198
200		Prepare Preliminary RTCs on Draft ROD and Final RAP for Site 6	28 edays	Wed 10/31/12	Wed 11/28/12	199
201		Meeting to Discuss Preliminary RTCs on Draft ROD and Final RAP for Site 6	0 edays	Wed 11/28/12	Wed 11/28/12	200
202		Prepare Internal Final ROD and Final RAP for Site 6	30 edays	Wed 11/28/12	Fri 12/28/12	201
203		Navy Review of Internal Final ROD and Final RAP for Site 6	12 edays	Fri 12/28/12	Wed 1/9/13	202
204		Prepare Final ROD and Final RAP for Site 6	14 edays	Wed 1/9/13	Wed 1/23/13	203
205		Complete Legal Description ROD/RAP for Site 6	0 days	Wed 1/23/13	Wed 1/23/13	204
206		ROD/RAP Signed for Site 6	30 days	Wed 1/23/13	Thu 2/21/13	205
207		Public Notice of Signing ROD/RAP for Site 6	0 days	Thu 2/21/13	Thu 2/21/13	206
208		REMEDIAL DESIGN FOR SITE 6 (IF NECESSARY)	306 days	Sat 9/29/12	Wed 7/31/13	
209		Navy to award contract for Site 6 Remedial Design and Remedial Action	60 edays	Sat 9/29/12	Wed 11/28/12	202SS-60 edays
210		Internal Draft RD for Site 6	91 edays	Wed 11/28/12	Wed 2/27/13	209
211		BCT Scoping Meeting for Site 6 RD	0 days	Fri 12/28/12	Fri 12/28/12	210SS+30 edays
212		Navy Review of Internal Draft RD for Site 6	30 edays	Wed 2/27/13	Fri 3/29/13	210
213		Draft RD for Site 6	14 days	Fri 3/29/13	Thu 4/11/13	212
214		Agency Review of Draft RD for Site 6	30 edays	Thu 4/11/13	Sat 5/11/13	213
215		Preliminary RTCs on Draft RD - Site 6	28 edays	Sat 5/11/13	Sat 6/8/13	214
216		Meeting to Discuss Preliminary RTCs on Draft RD - Site 6	0 edays	Sat 6/8/13	Sat 6/8/13	215
217		Internal Final for Site 6 RD	29 edays	Sat 6/8/13	Sun 7/7/13	216
218		Navy Review of Internal Final for Site 6 RD	10 edays	Sun 7/7/13	Wed 7/17/13	217
219		Final RD for Site 6	14 edays	Wed 7/17/13	Wed 7/31/13	218
220		REMEDIAL ACTION FOR SITE 6 (IF NECESSARY)	322 days	Wed 7/31/13	Wed 6/18/14	
221		Remediation Field Work Site 6	150 edays	Wed 7/31/13	Sat 12/28/13	219
222		REMEDIAL ACTION REPORTS	172 days	Sat 12/28/13	Wed 6/18/14	
223		Internal Draft RA Reports for Site 6	32 edays	Sat 12/28/13	Wed 1/29/14	221
224		BCT Scoping Meeting for Site 6 RA Reports	0 days	Sat 1/11/14	Sat 1/11/14	223SS+14 edays
225		Navy Review of Internal Draft RA Reports for Site 6	15 edays	Wed 1/29/14	Thu 2/13/14	223
226		Draft RA Reports for Site 6	7 edays	Thu 2/13/14	Thu 2/20/14	225
227		Agency Review of Site 6 Draft RA Reports	30 edays	Thu 2/20/14	Sat 3/22/14	226
228		Preliminary RTCs on Draft RA - Site 6	28 edays	Sat 3/22/14	Sat 4/19/14	227
229		Meeting to Discuss Preliminary RTCs on Draft RA for Site 6	0 edays	Sat 4/19/14	Sat 4/19/14	228

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

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
230		Internal Final RA Reports for Site 6	32 edays	Sat 4/19/14	Wed 5/21/14	229
231		Navy Review of Internal Final RA Reports for Site 6	14 edays	Wed 5/21/14	Wed 6/4/14	230
232		Final RA Reports for Site 6	14 edays	Wed 6/4/14	Wed 6/18/14	231
233		Site Completion for Site 6	30 edays	Wed 6/18/14	Fri 7/18/14	232

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

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
234		SITE 8	6038 days	Thu 12/2/04	Fri 7/16/21	
235		REMEDIAL INVESTIGATION FOR SITES 8 & 29	1544 days	Thu 12/2/04	Fri 3/27/09	
259		CALTRANS BRIDGE CONSTRUCTION PROJECT	2920 days	Mon 11/3/08	Mon 10/31/16	
260		REMAINING CERCLA ITEMS (IF NECESSARY)	1716 days	Thu 11/3/16	Fri 7/16/21	
261		SITES 8 & 29 RI ADDENDUM (IF NECESSARY)	290 edays	Thu 11/3/16	Sun 8/20/17	
262		FEASIBILITY STUDY FOR SITES 8 & 29 (IF NECESSARY)	350 days	Sun 8/20/17	Sun 8/5/18	
276		PP/DRAFT RAP FOR SITES 8 & 29	320 days	Thu 7/12/18	Tue 5/28/19	
293		ROD/RAP SITES 8 & 29	320 days	Thu 4/4/19	Mon 2/17/20	
309		REMEDIAL DESIGN FOR SITES 8 & 29 (IF NECESSARY)	276 days	Tue 11/26/19	Fri 8/28/20	
321		REMEDIAL ACTION FOR SITES 8 & 29 (IF NECESSARY)	292 days	Fri 8/28/20	Wed 6/16/21	
332		Site Completion for Sites 8 & 29	30 edays	Wed 6/16/21	Fri 7/16/21	331

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

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
333		SITE 11	5444 days	Thu 7/13/06	Mon 6/7/21	
334		INTERIM REMEDIAL INVESTIGATION FOR SITE 11	1226 days	Thu 7/13/06	Fri 11/20/09	
335		Navy to award contract for Site 11 Interim RI	60 edays	Thu 7/13/06	Mon 9/11/06	
336		Internal Draft Interim RI for Site 11	452 days	Mon 10/23/06	Fri 1/18/08	
337		Internal Draft RI for Site 11: Data Evaluation	20 edays	Mon 10/23/06	Sun 11/12/06	335FS+42 edays
338		Scoping Meeting for Site 11 Interim RI	0 edays	Tue 2/6/07	Tue 2/6/07	
339		Evaluate Path Forward for Site 11 Interim RI	270 edays	Tue 2/6/07	Sat 11/3/07	338
340		Internal Draft Interim RI for Site 11: HHRA Preparation	30 edays	Sat 11/3/07	Mon 12/3/07	339
341		Internal Draft Interim RI for Site 11: Text Preparation	30 edays	Sat 11/3/07	Mon 12/3/07	339
342		Internal Draft Interim RI for Site 11: QCC Review	46 edays	Mon 12/3/07	Fri 1/18/08	341
343		Navy Review of Internal Draft Interim RI for Site 11	262 edays	Fri 1/18/08	Mon 10/6/08	342
344		Draft Interim RI for Site 11	30 edays	Mon 10/6/08	Wed 11/5/08	343
345		Agency Review of Draft Interim RI for Site 11	104 edays	Wed 11/5/08	Tue 2/17/09	344
346		Preliminary RTCs on Draft Interim RI for Site 11	180 edays	Tue 2/17/09	Sun 8/16/09	345
347		Meeting to Discuss Preliminary RTCs on Draft Interim RI for Site 11	0 edays	Wed 10/7/09	Wed 10/7/09	
348		Internal Final for Site 11 Interim RI	30 edays	Wed 10/7/09	Fri 11/6/09	347
349		Navy Review of Internal Final for Site 11 Interim RI	7 edays	Fri 11/6/09	Fri 11/13/09	348
350		Final Interim RI for Site 11	7 edays	Fri 11/13/09	Fri 11/20/09	349
351		CALTRANS BRIDGE CONSTRUCTION PROJECT	2920 days	Mon 11/3/08	Mon 10/31/16	
352		REMAINING CERCLA ITEMS (IF NECESSARY)	1619 days	Sun 1/1/17	Mon 6/7/21	
353		FEASIBILITY STUDY FOR SITE 11	291 days	Sun 1/1/17	Thu 10/19/17	
366		PP/DRAFT RAP FOR SITE 11	323 days	Tue 9/26/17	Wed 8/15/18	
383		ROD/RAP SITE 11	322 days	Wed 6/20/18	Tue 5/7/19	
399		REMEDIAL DESIGN FOR SITE 11	310 days	Tue 5/7/19	Thu 3/12/20	398
411		REMEDIAL ACTION FOR SITE 11	421 days	Thu 3/12/20	Fri 5/7/21	
424		Site Completion for Site 11	31 edays	Fri 5/7/21	Mon 6/7/21	423

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
425		SITE 12	4040 days	Wed 5/7/03	Fri 12/12/14	
426		ADDITIONAL INVESTIGATION FOR COMMON AREAS	95 days	Wed 5/7/03	Fri 9/19/03	
434		Halyburton Court Soil Gas/Indoor Air SAP Addendum	692 days	Fri 1/7/05	Wed 12/20/06	
445		HALYBURTON COURT INDOOR AIR EVALUATION TECHNICAL MEMORANDUM SITE 12	1186 days	Mon 12/1/03	Fri 7/13/07	
451		ARSENIC IN GROUNDWATER TECHNICAL MEMORANDUM SITE 12	268 days	Thu 1/1/04	Tue 1/11/05	
460		ARSENIC IN GROUNDWATER PILOT STUDY	1315 days	Mon 12/11/06	Sun 7/18/10	
461		Conduct Bench Tests for Arsenic in Groundwater Pilot Study	158 edays	Mon 12/11/06	Fri 5/18/07	
462		Prepare Internal Draft Work Plan for Arsenic in Groundwater Pilot Study	132 edays	Fri 5/18/07	Thu 9/27/07	461
463		Navy Review of Internal Draft Work Plan for Arsenic in Groundwater Pilot Study	32 edays	Thu 9/27/07	Mon 10/29/07	462
464		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	463
465		BCT Review Draft Work Plan for Arsenic in Groundwater Pilot Study	240 edays	Thu 11/15/07	Sat 7/12/08	464
466		Respond to BCT Comments on Draft Work Plan for Arsenic in Groundwater Pilot Study	88 edays	Sat 7/12/08	Wed 10/8/08	465
467		BCT Review RTCs on Arsenic in Groundwater Pilot Study Work Plan	16 edays	Wed 10/8/08	Fri 10/24/08	466
468		Prepare Final Arsenic in Groundwater Pilot Study Work Plan	7 edays	Fri 10/24/08	Fri 10/31/08	467
469		Conduct Arsenic in Groundwater Pilot Study	483 edays	Fri 10/31/08	Fri 2/26/10	468
470		Prepare Report of Arsenic in Groundwater Pilot Study	142 days	Fri 2/26/10	Sun 7/18/10	469
471		Prepare Internal Draft Report of Arsenic in Groundwater Pilot Study	30 edays	Fri 2/26/10	Sun 3/28/10	469
472		Navy Review Internal Draft Report of Arsenic in Groundwater Pilot Study	14 edays	Sun 3/28/10	Sun 4/11/10	471
473		Prepare Draft Report of Arsenic in Groundwater Pilot Study	7 edays	Sun 4/11/10	Sun 4/18/10	472
474		Agency Review Draft Report of Arsenic in Groundwater Pilot Study	30 edays	Sun 4/18/10	Tue 5/18/10	473
475		Prepare Internal Final Report of Arsenic in Groundwater Pilot Study	33 edays	Tue 5/18/10	Sun 6/20/10	474
476		Navy Review Internal Final Report of Arsenic in Groundwater Pilot Study	14 edays	Sun 6/20/10	Sun 7/4/10	475
477		Prepare Final Report of Arsenic in Groundwater Pilot Study	14 edays	Sun 7/4/10	Sun 7/18/10	476
478		REMEDIAL INVESTIGATION FOR SITE 12	2112 days	Sun 6/20/04	Fri 6/18/10	
479		Navy to award contract for Site 12 RI Scoping, HHRA WP, Tech Memos	54 edays	Sun 6/20/04	Fri 8/13/04	
480		Risk Assessment/RI Scoping Work Plan	539 days	Sat 8/14/04	Fri 4/7/06	
491		Soil Gas Investigation	506 days	Mon 1/28/08	Wed 6/17/09	
508		Site 12 HHRA Technical Memorandum	238 days	Wed 6/17/09	Tue 2/9/10	
509		Site 12 EU HHRA Calculations	90 edays	Wed 6/17/09	Tue 9/15/09	507
510		Prepare Site 12 Internal Draft HHRA Technical Memorandum	90 edays	Fri 7/31/09	Thu 10/29/09	507FS+45 days
511		Navy Technical Site 12 Internal Draft HHRA Technical Memorandum	30 edays	Thu 10/29/09	Sat 11/28/09	510
512		Prepare Site 12 Draft HHRA Technical Memorandum	15 edays	Sat 11/28/09	Sun 12/13/09	511
513		Agency Review Site 12 HHRA Technical Memorandum	30 edays	Sun 12/13/09	Tue 1/12/10	512

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
514		Prepare Preliminary RTCs for Site 12 HHRA Technical Memorandum	28 edays	Tue 1/12/10	Tue 2/9/10	513
515		BCT Meeting to Discuss Preliminary RTCs on Site 12 HHRA Technical Memorandum	0 edays	Tue 2/9/10	Tue 2/9/10	514
516		Site 12 RI Report	711 days	Mon 7/7/08	Fri 6/18/10	
517		Navy to award contract	60 edays	Mon 7/7/08	Fri 9/5/08	
518		Prepare Site 12 Internal Draft RI Report	90 edays	Tue 9/15/09	Mon 12/14/09	509
519		Navy Technical/Legal Review Site 12 Internal Draft RI Report	60 edays	Mon 12/14/09	Fri 2/12/10	518
520		Prepare Site 12 Draft RI Report	14 edays	Fri 2/12/10	Fri 2/26/10	519
521		Agency Review Site 12 Draft RI Report	30 edays	Fri 2/26/10	Sun 3/28/10	520
522		Prepare Preliminary RTCs for Site 12 Draft RI Report	28 edays	Sun 3/28/10	Sun 4/25/10	521
523		BCT Meeting to Discuss RTCs for Site 12 Draft RI Report	0 edays	Sun 4/25/10	Sun 4/25/10	522
524		Prepare Site 12 Internal Final RI Report	30 edays	Sun 4/25/10	Tue 5/25/10	523
525		Navy Review Site 12 Internal Final RI Report	10 edays	Tue 5/25/10	Fri 6/4/10	524
526		Site 12 Final RI Report	14 edays	Fri 6/4/10	Fri 6/18/10	525
527		NON-TIME CRITICAL INTERIM REMOVAL ACTION WORK PLANS FOR SITE 12 SWDAs	441 days	Thu 12/1/05	Thu 2/15/07	
557		NON-TIME CRITICAL REMOVAL ACTION FOR SITE 12 SWDAs	1555 days	Thu 3/30/06	Thu 7/1/10	
558		Navy to award contract for Site 12 for Removal Action Work Plan and Removal Action	176.38 edays	Thu 3/30/06	Fri 9/22/06	
559		Site 12 Remedial Action Work Plan (RAWP)	165 days	Fri 9/22/06	Tue 3/6/07	
567		Non-Time Critical Removal Action of Site 12 SWDAs	1038 edays	Mon 2/26/07	Wed 12/30/09	566FS-8 edays
568		Post Construction Site 12 SWDAs Removal Action Reports	183 days	Wed 12/30/09	Thu 7/1/10	567
569		Prepare Internal Draft Post Construction Site 12 SWDAs Removal Action Report	60 edays	Wed 12/30/09	Sun 2/28/10	567
570		Navy Review Internal Draft Post Construction Site 12 SWDAs Removal Action Report	30 edays	Sun 2/28/10	Tue 3/30/10	569
571		Prepare Draft Post Construction Site 12 SWDAs Removal Action Report	14 edays	Tue 3/30/10	Tue 4/13/10	570
572		Agency Review Draft Post Construction Site 12 SWDAs Removal Action Report	30 edays	Tue 4/13/10	Thu 5/13/10	571
573		Prepare Internal Final Post Construction Site 12 SWDAs Removal Action Report	21 edays	Thu 5/13/10	Thu 6/3/10	572
574		Navy Review Internal Final Post Construction Site 12 SWDAs Removal Action Report	14 edays	Thu 6/3/10	Thu 6/17/10	573
575		Prepare Final Post Construction Site 12 SWDAs Removal Action Report	14 edays	Thu 6/17/10	Thu 7/1/10	574
576		Non-Time Critical Removal Action Summary Open House	0 edays	Sat 10/24/09	Sat 10/24/09	
577		SWDA Final Status Surveys	469 days	Wed 12/30/09	Wed 4/13/11	
578		SWDA Final Status Survey Work Plan	156 days	Wed 12/30/09	Fri 6/4/10	
579		Prepare Internal Draft Site 12 SWDAs Final Status Survey Work Plan	30 edays	Wed 12/30/09	Fri 1/29/10	567
580		Navy Review Internal Draft Site 12 SWDAs Final Status Survey Work Plan	30 edays	Fri 1/29/10	Sun 2/28/10	579
581		Prepare Draft Site 12 SWDAs Final Status Survey Work Plan	7 edays	Sun 2/28/10	Sun 3/7/10	580
582		Agency Review Draft Site 12 SWDAs Final Status Survey Work Plan	30 edays	Sun 3/7/10	Tue 4/6/10	581

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
583		Prepare Preliminary Responses to Agency Comments on Draft Site 12 SWDAs Final Status	21 edays	Tue 4/6/10	Tue 4/27/10	582
584		Prepare Internal Final Site 12 SWDAs Final Status Survey Work Plan	10 edays	Tue 4/27/10	Fri 5/7/10	583
585		Navy Review Internal Final Site 12 SWDAs Final Status Survey Work Plan	14 edays	Fri 5/7/10	Fri 5/21/10	584
586		Prepare Final Site 12 SWDAs Final Status Survey Work Plan	14 edays	Fri 5/21/10	Fri 6/4/10	585
587		Site 12 SWDAs Final Status Survey	120 edays	Fri 6/4/10	Sat 10/2/10	586
588		SWDA Final Status Survey Report	193 days	Sat 10/2/10	Wed 4/13/11	
589		Prepare Internal Draft Site 12 SWDAs Final Status Survey Report	60 edays	Sat 10/2/10	Wed 12/1/10	587
590		Navy Review Internal Draft Site 12 SWDAs Final Status Survey Report	30 edays	Wed 12/1/10	Fri 12/31/10	589
591		Prepare Draft Site 12 SWDAs Final Status Survey Report	14 edays	Fri 12/31/10	Fri 1/14/11	590
592		Agency Review Draft Site 12 SWDAs Final Status Survey Report	30 edays	Fri 1/14/11	Sun 2/13/11	591
593		Prepare Preliminary Responses to Agency Comments on Draft Site 12 SWDAs Final Status	21 edays	Sun 2/13/11	Sun 3/6/11	592
594		Prepare Internal Final Site 12 SWDAs Final Status Survey Report	10 edays	Sun 3/6/11	Wed 3/16/11	593
595		Navy Review Internal Final Site 12 SWDAs Final Status Survey Report	14 edays	Wed 3/16/11	Wed 3/30/11	594
596		Prepare Final Site 12 SWDAs Final Status Survey Report	14 edays	Wed 3/30/11	Wed 4/13/11	595
597		NON-TIME CRITICAL INTERIM REMOVAL ACTION FOR SITE 12 BIGELOW COURT	1429 days	Mon 6/9/08	Mon 5/7/12	
598		EE/CA/DRAFT RAP FOR SITE 12 HALYBURTON COURT (CANCELLED)	631 days	Mon 6/9/08	Mon 3/1/10	
616		AM/FINAL RAP FOR SITE 12 HALYBURTON COURT (CANCELLED)	328 days	Sat 1/16/10	Fri 12/10/10	
633		REMOVAL ACTION WORK PLAN (RAWP) FOR SITE 12 BIGELOW COURT	258 days	Fri 9/17/10	Thu 6/2/11	
634		Navy to award contract for Site 12 for RAWP and Removal Action for Bigelow Court	60 edays	Fri 9/17/10	Tue 11/16/10	628SS
635		Internal Draft Site 12 RAWP	90 edays	Tue 11/16/10	Mon 2/14/11	634
636		Navy Review of Internal Draft Site 12 RAWP	21 edays	Mon 2/14/11	Mon 3/7/11	635
637		Incorporate Navy Technical Review of Internal Draft Site 12 RAWP	8 days	Tue 3/8/11	Tue 3/15/11	636
638		Navy RTM Review of Internal Draft Site 12 RAWP	25 edays	Tue 3/15/11	Sat 4/9/11	637
639		Prepare Draft Site 12 RAWP	10 edays	Sat 4/9/11	Tue 4/19/11	638
640		Agency and Public Review of Draft Site 12 RAWP	30 edays	Tue 4/19/11	Thu 5/19/11	639
641		Prepare and Submit Final Site 12 RAWP	14 edays	Thu 5/19/11	Thu 6/2/11	640
642		NON-TIME CRITICAL REMOVAL ACTION OF SITE 12 BIGELOW COURT	180 edays	Thu 6/2/11	Tue 11/29/11	641
643		POST CONSTRUCTION REMOVAL ACTION REPORT FOR SITE 12 BIGELOW COURT	160 edays	Tue 11/29/11	Mon 5/7/12	642
644		SITE 12 BACKYARD FIELD INVESTIGATION	274 days	Tue 2/9/10	Wed 11/10/10	
645		Navy to award contract for Site 12 Backyard Field Investigation	60 edays	Tue 2/9/10	Sat 4/10/10	514
646		Prepare Site 12 Internal Draft Field Work Plan	30 edays	Sat 4/10/10	Mon 5/10/10	645,514
647		Navy Review Site 12 Internal Draft Field Work Plan	14 edays	Mon 5/10/10	Mon 5/24/10	646
648		Prepare Site 12 Draft Field Work Plan	7 edays	Mon 5/24/10	Mon 5/31/10	647

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
649		Agency Review Site 12 Draft Field Work Plan	30 edays	Mon 5/31/10	Wed 6/30/10	648
650		Prepare Site 12 Internal Final Field Work Plan	33 edays	Wed 6/30/10	Mon 8/2/10	649
651		Navy Review Site 12 Internal Final Field Work Plan	14 edays	Mon 8/2/10	Mon 8/16/10	650
652		Site 12 Final Field Work Plan	14 edays	Mon 8/16/10	Mon 8/30/10	651
653		Site 12 Backyard Field Investigation	72 days	Mon 8/30/10	Wed 11/10/10	652
654		Field Work	30 edays	Mon 8/30/10	Wed 9/29/10	
655		Lab Data Analysis and Validation	35 edays	Wed 9/29/10	Wed 11/3/10	654FF+35 edays
656		Meeting to Present Results from Backyard Sampling Site 12	7 edays	Wed 11/3/10	Wed 11/10/10	655
657		FEASIBILITY STUDY FOR SITE 12	342 days	Wed 11/3/10	Tue 10/11/11	
658		Navy to award contract for Site 12 FS	60 edays	Wed 11/3/10	Sun 1/2/11	524,655
659		Internal Draft FS for Site 12	90 edays	Sun 1/2/11	Sat 4/2/11	658
660		BCT Scoping Meeting Site 12 FS	0 edays	Tue 2/1/11	Tue 2/1/11	659SS+30 edays
661		Navy Technical Review of Internal Draft Site 12 FS	21 edays	Sat 4/2/11	Sat 4/23/11	659
662		Incorporate Navy Technical Comments on Site 12 Internal Draft FS	14 edays	Sat 4/23/11	Sat 5/7/11	661
663		Navy Legal Review of Internal Draft Site 12 FS	30 edays	Sat 5/7/11	Mon 6/6/11	662
664		Draft FS for Site 12	14 edays	Mon 6/6/11	Mon 6/20/11	663
665		Agency Review of Draft FS for Site 12	30 edays	Mon 6/20/11	Wed 7/20/11	664
666		Preliminary RTCs on Draft FS for Site 12	28 edays	Wed 7/20/11	Wed 8/17/11	665
667		Meeting to Discuss Preliminary RTCs on Draft FS for Site 12	1 eday	Wed 8/17/11	Thu 8/18/11	666
668		Internal Final for Site 12 FS	30 edays	Thu 8/18/11	Sat 9/17/11	667
669		Navy Review of Internal Final for Site 12 FS	10 edays	Sat 9/17/11	Tue 9/27/11	668
670		Final FS for Site 12	14 edays	Tue 9/27/11	Tue 10/11/11	669
671		PP/DRAFT RAP FOR SITE 12	320 days	Thu 8/18/11	Tue 7/3/12	
672		Prepare Internal Draft PP and Internal Draft RAP for Site 12	90 edays	Thu 8/18/11	Wed 11/16/11	668SS
673		BCT Scoping Meeting for Site 12 PP/ROD/RAP	0 edays	Sun 8/28/11	Sun 8/28/11	672SS+10 edays
674		Navy Technical Review of Internal Draft PP and Internal Draft RAP for Site 12	30 edays	Wed 11/16/11	Fri 12/16/11	672
675		Incorporate Navy Technical Review Comments on Internal Draft PP and Internal Draft RAP for Site 12	14 edays	Fri 12/16/11	Fri 12/30/11	674
676		Navy Legal Review of Internal Draft PP and Internal Draft RAP for Site 12	30 edays	Fri 12/30/11	Sun 1/29/12	675
677		Prepare Draft PP and Draft RAP for Site 12	14 edays	Sun 1/29/12	Sun 2/12/12	676
678		Agency Review of Draft PP and Draft RAP for Site 12	30 edays	Sun 2/12/12	Tue 3/13/12	677
679		Prepare Preliminary RTCs for Draft PP and Draft RAP for Site 12	28 edays	Tue 3/13/12	Tue 4/10/12	678
680		Meeting to Discuss Preliminary RTCs on Draft PP and Draft RAP for Site 12	0 edays	Tue 4/10/12	Tue 4/10/12	679
681		Prepare Internal Final PP and Internal Final RAP for Site 12	30 edays	Tue 4/10/12	Thu 5/10/12	680

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID	Task Name	Duration	Start	Finish	Pred
682	Navy Review of Internal Final PP and Internal Final RAP for Site 12	10 edays	Thu 5/10/12	Sun 5/20/12	681
683	Prepare Final PP and Draft Final RAP for Site 12	14 edays	Sun 5/20/12	Sun 6/3/12	682
684	Public Notice of Final PP and Draft Final RAP for Site 12	0 edays	Sun 6/3/12	Sun 6/3/12	683
685	Public Comment Period of Final PP and Draft Final RAP for Site 12	30 edays	Sun 6/3/12	Tue 7/3/12	684
686	Finalize Administrative Record for Final PP and Draft Final RAP for Site 12	0 edays	Tue 7/3/12	Tue 7/3/12	685
687	Public Meeting for Final PP and Draft Final RAP for Site 12	0 edays	Tue 7/3/12	Tue 7/3/12	686
688	ROD/RAP Site 12	320 days	Thu 5/10/12	Tue 3/26/13	
689	Prepare Internal Draft ROD and Draft Final RAP for Site 12	90 edays	Thu 5/10/12	Wed 8/8/12	682SS
690	BCT Working Meeting for ROD/RAP for Site 12	0 edays	Sat 6/9/12	Sat 6/9/12	689SS+30 edays
691	Navy Technical Review Of Internal Draft of ROD and Draft Final RAP for Site 12	30 edays	Wed 8/8/12	Fri 9/7/12	689
692	Incorporate Navy Technical Review Comments on Internal Draft ROD and Draft Final RAP for Site 12	14 edays	Fri 9/7/12	Fri 9/21/12	691
693	Navy Legal Review Internal Draft of ROD and Draft Final RAP for Site 12	30 edays	Fri 9/21/12	Sun 10/21/12	692
694	Prepare Draft ROD and Final RAP for Site 12	14 edays	Sun 10/21/12	Sun 11/4/12	693
695	Agency Review of Draft ROD and Final RAP for Site 12	30 edays	Sun 11/4/12	Tue 12/4/12	694
696	Prepare Preliminary RTCs on Draft ROD and Final RAP for Site 12	28 edays	Tue 12/4/12	Tue 1/1/13	695
697	Meeting to Discuss RTCs on Draft ROD and Final RAP for Site 12	0 edays	Tue 1/1/13	Tue 1/1/13	696
698	Prepare Internal Final ROD and Final RAP for Site 12	30 edays	Tue 1/1/13	Thu 1/31/13	696
699	Navy Review of Internal Final ROD and Final RAP for Site 12	10 edays	Thu 1/31/13	Sun 2/10/13	698
700	Prepare Final ROD and Final RAP for Site 12	14 edays	Sun 2/10/13	Sun 2/24/13	699
701	Complete Legal Description for Final ROD and Final RAP for Site 12	0 edays	Sun 2/24/13	Sun 2/24/13	700
702	ROD/RAP for Site 12 Signed	30 edays	Sun 2/24/13	Tue 3/26/13	701
703	Public Notice of Signing ROD/RAP Site 12	0 edays	Tue 3/26/13	Tue 3/26/13	702
704	REMEDIAL DESIGN FOR SITE 12	288 days	Tue 1/1/13	Wed 10/16/13	
705	Navy to award contract for Site 12 Remedial Design and Remedial Action	60 edays	Tue 1/1/13	Sat 3/2/13	698SS
706	Internal Draft RD for Site 12	90 edays	Sat 3/2/13	Fri 5/31/13	698,705
707	BCT Working Meeting for Site 12 RD	0 days	Mon 4/1/13	Mon 4/1/13	706SS+30 edays
708	Navy Review of Internal Draft RD for Site 12	21 edays	Fri 5/31/13	Fri 6/21/13	706
709	Draft RD for Site 12	14 edays	Fri 6/21/13	Fri 7/5/13	708
710	Agency Review of Draft RD for Site 12	30 edays	Fri 7/5/13	Sun 8/4/13	709
711	Prepare Preliminary RTCs on Draft RD for Site 12	28 edays	Sun 8/4/13	Sun 9/1/13	710
712	BCT Meeting to discuss Preliminary RTCs on Draft RD for Site 12	0 edays	Sun 9/1/13	Sun 9/1/13	711
713	Internal Final for Site 12 RD	21 edays	Sun 9/1/13	Sun 9/22/13	712
714	Navy Review of Internal Final for Site 12 RD	10 edays	Sun 9/22/13	Wed 10/2/13	710,713

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
715		Final RD for Site 12	14 edays	Wed 10/2/13	Wed 10/16/13	714
716		REMEDIAL ACTION FOR SITE 12	250 days	Wed 10/16/13	Mon 6/23/14	715
717		Remediation Field Work Site 12	250 edays	Wed 10/16/13	Mon 6/23/14	715
718		REMEDIAL ACTION REPORTS FOR SITE 12	142 days	Mon 6/23/14	Wed 11/12/14	
719		Internal Draft RA Reports for Site 12	30 edays	Mon 6/23/14	Wed 7/23/14	717
720		BCT Working Meeting for Site 12 RA Reports	0 days	Tue 7/8/14	Tue 7/8/14	719SS+15 edays
721		Navy Review of Internal Draft RA Reports for Site 12	14 edays	Wed 7/23/14	Wed 8/6/14	719
722		Draft RA Reports for Site 12	7 edays	Wed 8/6/14	Wed 8/13/14	721
723		Agency Review of Site 12 Draft RA Reports	30 edays	Wed 8/13/14	Fri 9/12/14	722
724		Internal Final RA Reports for Site 12	33 edays	Fri 9/12/14	Wed 10/15/14	723
725		Navy Review of Internal Final RA Reports for Site 12	14 edays	Wed 10/15/14	Wed 10/29/14	724
726		Final RA Reports for Site 12	14 edays	Wed 10/29/14	Wed 11/12/14	725
727		Site Completion for Site 12	30 edays	Wed 11/12/14	Fri 12/12/14	726

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
728		SITE 21	4306 days	Tue 7/1/03	Sun 10/11/15	
729		REMEDIAL INVESTIGATION FOR SITE 21	1152 days	Tue 7/1/03	Tue 2/20/07	
745		TREATABILITY STUDY FOR SITE 21	2127 days	Wed 12/15/04	Mon 11/8/10	
746		Navy to Award Contract for Site 21 Treatability Study	61 edays	Wed 12/15/04	Mon 2/14/05	
747		BCT Scoping meetings for Treatability Study - identify objectives and treatment technology Site 21	0 edays	Thu 3/24/05	Thu 3/24/05	746FS+30 days
748		Internal Draft Work Plan for Treatability Study Site 21	46 edays	Sun 2/13/05	Thu 3/31/05	746,742
749		Navy Review of Internal Draft Work Plan for Treatability Study Site 21	14 edays	Thu 3/31/05	Thu 4/14/05	748
750		Draft Treatability Study Work Plan Site 21	7 edays	Fri 4/15/05	Fri 4/22/05	749FS+1 eday
751		Agency Review of Draft Treatability Study Work Plan Site 21	13 edays	Fri 4/22/05	Thu 5/5/05	750
752		Internal Final Treatability Study Work Plan Site 21	14 edays	Thu 6/2/05	Thu 6/16/05	751
753		Navy Review Internal Final Treatability Study Work Plan Site 21	0 edays	Thu 6/16/05	Thu 6/16/05	752
754		Final Treatability Study Work Plan Site 21	0 edays	Thu 6/16/05	Thu 6/16/05	753
755		Site 21 Treatability Study - Construction	21 edays	Mon 8/22/05	Mon 9/12/05	754FS+2 days
756		Site 21 Treatability Study - Startup	12 edays	Wed 8/31/05	Mon 9/12/05	755FS-14 days
757		Site 21 Treatability Study - Operation, Data Collection, Analysis and Validation	1730 edays	Thu 8/25/05	Fri 5/21/10	
758		Site 21 Treatability Study Report	171 days	Fri 5/21/10	Mon 11/8/10	757
759		Prepare Site 21 Internal Draft Treatability Study Report	30 edays	Fri 5/21/10	Sun 6/20/10	757
760		Navy Review of Site 21 Internal Draft Treatability Study Report	14 edays	Sun 6/20/10	Sun 7/4/10	759
761		Site 21 Draft Treatability Study Report	7 edays	Sun 7/4/10	Sun 7/11/10	760
762		Agency Review of Site 21 Draft Treatability Study Report	30 edays	Sun 7/11/10	Tue 8/10/10	761
763		Preliminary RTCs on Draft Treatability Study Report for Site 21	28 edays	Tue 8/10/10	Tue 9/7/10	762
764		Meeting to Discuss Preliminary RTCs on Draft Treatability Study Report for Site 21	1 eday	Tue 9/7/10	Wed 9/8/10	763
765		Internal Final Site 21 Treatability Study Report	33 edays	Wed 9/8/10	Mon 10/11/10	764
766		Navy Review Internal Final Site 21 Treatability Study Report	14 edays	Mon 10/11/10	Mon 10/25/10	765
767		Final Site 21 Treatability Study Report	14 edays	Mon 10/25/10	Mon 11/8/10	766
768		FEASIBILITY STUDY FOR SITE 21	938 days	Tue 9/5/06	Tue 3/31/09	
783		PP/DRAFT RAP FOR SITE 21	291 days	Fri 5/21/10	Tue 3/8/11	
784		Prepare Internal Draft PP and Internal Draft RAP for Site 21	90 edays	Fri 5/21/10	Thu 8/19/10	757
785		BCT Scoping Meeting for PP/ROD/RAP for Site 21	0 days	Sun 6/20/10	Sun 6/20/10	784SS+30 edays
786		Navy Technical Review of Internal Draft PP and Internal Draft RAP for Site 21	15 edays	Thu 8/19/10	Fri 9/3/10	784
787		Incorporate Navy Technical Comments on Internal Draft PP and Internal Draft RAP for Site 21	14 edays	Fri 9/3/10	Fri 9/17/10	786
788		Navy Legal Review of Internal Draft PP and Internal Draft RAP for Site 21	15 edays	Fri 9/17/10	Sat 10/2/10	787
789		Prepare Draft PP and Draft RAP for Site 21	15 edays	Sat 10/2/10	Sun 10/17/10	788

All start and finish dates on Saturday 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
790	Agency Review of Draft PP and Draft RAP for Site 21	30 edays	Sun 10/17/10	Tue 11/16/10	789
791	Prepare Preliminary RTCs on Draft PP and Draft RAP for Site 21	32 edays	Tue 11/16/10	Sat 12/18/10	790
792	Meeting to Discuss Preliminary RTCs on Draft PP and Draft RAP for Site 21	1 eday	Sat 12/18/10	Sun 12/19/10	791
793	Prepare Internal Final PP and Internal Final RAP for Site 21	21 edays	Sun 12/19/10	Sun 1/9/11	792
794	Navy Review of Internal Final PP and Internal Final RAP for Site 21	14 edays	Sun 1/9/11	Sun 1/23/11	793
795	Prepare Final PP and Draft Final RAP for Site 21	14 edays	Sun 1/23/11	Sun 2/6/11	794
796	Public Notice of Final PP and Draft Final RAP for Site 21	0 days	Sun 2/6/11	Sun 2/6/11	795
797	Public Comment Period Final PP and Draft Final RAP for Site 21	30 edays	Sun 2/6/11	Tue 3/8/11	796
798	Finalize Administrative Record for Final PP and Draft Final RAP for Site 21	0 days	Tue 3/8/11	Tue 3/8/11	797
799	Public Meeting for Final PP and Draft Final Rap for Site 21	0 edays	Tue 3/8/11	Tue 3/8/11	798
800	ROD/RAP for SITE 21	260 days	Sun 12/19/10	Mon 9/5/11	
801	Prepare Internal Draft ROD and Draft Final RAP for Site 21	45 edays	Sun 12/19/10	Wed 2/2/11	793SS
802	BCT Scoping Meeting for Site 21 ROD/RAP	0 days	Tue 1/18/11	Tue 1/18/11	801SS+30 edays
803	Navy Technical Review of Site 21 RAP	21 edays	Wed 2/2/11	Wed 2/23/11	801
804	Incorporate Navy Technical Comments on Site 21 Internal Draft ROD/RAP	14 edays	Wed 2/23/11	Wed 3/9/11	803
805	Navy Legal Review of Site 21 Internal Draft ROD/RAP	30 edays	Wed 3/9/11	Fri 4/8/11	804
806	Draft ROD/RAP for Site 21	14 edays	Fri 4/8/11	Fri 4/22/11	805
807	Agency Review of Draft ROD/RAP for Site 21	30 edays	Fri 4/22/11	Sun 5/22/11	806
808	Preliminary RTCs on Draft ROD/RAP for Site 21	30 edays	Sun 5/22/11	Tue 6/21/11	807
809	Meeting to Discuss Preliminary RTCs on Draft ROD/RAP for Site 21	1 eday	Tue 6/21/11	Wed 6/22/11	808
810	Internal Final ROD/RAP for Site 21	45 edays	Wed 6/22/11	Sat 8/6/11	809
811	Navy Review of Internal Final ROD/RAP for Site 21	10 edays	Sat 8/6/11	Tue 8/16/11	810
812	Final ROD/RAP for Site 21	20 edays	Tue 8/16/11	Mon 9/5/11	811
813	Complete Legal Description/Site 21 ROD/RAP	0 days	Mon 9/5/11	Mon 9/5/11	812
814	Site 21 ROD/RAP Signed	0 days	Mon 9/5/11	Mon 9/5/11	813
815	Public Notice of Signing ROD/RAP	0 days	Mon 9/5/11	Mon 9/5/11	814
816	REMEDIAL DESIGN FOR SITE 21 (IF NECESSARY)	307 days	Wed 6/22/11	Tue 4/24/12	
817	Navy to award contract for Site 21 Remedial Design and Remedial Action	60 edays	Wed 6/22/11	Sun 8/21/11	810SS
818	Internal Draft RD for Site 21	90 edays	Sun 8/21/11	Sat 11/19/11	817
819	Navy Review of Internal Draft RD for Site 21	30 edays	Sat 11/19/11	Mon 12/19/11	818
820	BCT Scoping Meeting for Site 21 RD	0 days	Mon 12/19/11	Mon 12/19/11	819
821	Draft RD for Site 21	14 edays	Mon 12/19/11	Mon 1/2/12	820
822	Agency Review of Draft RD for Site 21	30 edays	Mon 1/2/12	Wed 2/1/12	821

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ID		Task Name	Duration	Start	Finish	Pred
823		Preliminary RTCs on Draft RD for Site 21	28 edays	Wed 2/1/12	Wed 2/29/12	822
824		Meeting to Discuss Preliminary RTCs on Draft RD for Site 21	1 eday	Wed 2/29/12	Thu 3/1/12	823
825		Internal Final for Site 21 RD	30 edays	Thu 3/1/12	Sat 3/31/12	824
826		Navy Review of Internal Final for Site 21 RD	10 edays	Sat 3/31/12	Tue 4/10/12	825
827		Final RD for Site 21	14 edays	Tue 4/10/12	Tue 4/24/12	826
828		REMEDIAL ACTION FOR SITE 21 (IF NECESSARY)	507 days	Tue 4/24/12	Fri 9/13/13	
829		Remediation Field Work Site 21	365 edays	Tue 4/24/12	Wed 4/24/13	827
830		REMEDIAL ACTION REPORTS	142 days	Wed 4/24/13	Fri 9/13/13	
831		Internal Draft RA Reports for Site 21	30 edays	Wed 4/24/13	Fri 5/24/13	829
832		Navy Review of Site 21 Internal Draft RA Reports	14 edays	Fri 5/24/13	Fri 6/7/13	831
833		BCT Scoping Meeting for Site 21 RA Reports	0 days	Fri 6/7/13	Fri 6/7/13	832
834		Draft RA Reports for Site 21	7 edays	Fri 6/7/13	Fri 6/14/13	833
835		Agency Review of Site 21 Draft RA Reports	30 edays	Fri 6/14/13	Sun 7/14/13	834
836		Internal Final RA Reports for Site 21	33 edays	Sun 7/14/13	Fri 8/16/13	835
837		Navy Review of Internal Final RA Reports for Site 21	14 edays	Fri 8/16/13	Fri 8/30/13	836
838		Final RA Reports for Site 21	14 edays	Fri 8/30/13	Fri 9/13/13	837
839		LONG TERM MONITORING FOR SITE 21	728 edays	Fri 9/13/13	Fri 9/11/15	828
840		Site Completion For Site 21	30 edays	Fri 9/11/15	Sun 10/11/15	839

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ID		Task Name	Duration	Start	Finish	Pred
841		SITE 24	4729 days	Tue 1/21/03	Sun 7/17/16	
842		PLUME DELINEATION INVESTIGATION	146 days	Mon 2/3/03	Wed 7/23/03	
849		REMEDIAL INVESTIGATION/FOCUSED FEASIBILITY STUDY FOR SITE 24	1301 days	Sun 10/31/04	Thu 7/3/08	
876		PILOT STUDY FOR SITE 24	674 days	Tue 1/21/03	Thu 6/9/05	
892		EXPANDED TREATABILITY STUDY FOR SITE 24	2306 days	Fri 3/26/04	Thu 10/28/10	
893		Draft Plans for Expanded Treatability Study Site 24	234 edays	Fri 3/26/04	Mon 11/15/04	886FS+1 day
894		Install Expanded Treatability Study System Site 24	121 edays	Mon 11/15/04	Wed 3/16/05	893
895		Operate, Monitor and Investigate Expanded Treatability Study System Site 24	1880 edays	Thu 3/17/05	Mon 5/10/10	894FS+1 day
896		Prepare Final Reports of Expanded Treatability Study System Site 24	171 days	Mon 5/10/10	Thu 10/28/10	895
897		Prepare Site 24 Internal Draft Expanded Treatability Study Report	30 edays	Mon 5/10/10	Wed 6/9/10	895
898		Navy Review of Site 24 Internal Draft Expanded Treatability Study Report	14 edays	Wed 6/9/10	Wed 6/23/10	897
899		Site 24 Draft Expanded Treatability Study Report	7 edays	Wed 6/23/10	Wed 6/30/10	898
900		Agency Review of Site 24 Draft Expanded Treatability Study Report	30 edays	Wed 6/30/10	Fri 7/30/10	899
901		Preliminary RTCs on Draft Expanded Treatability Study Report for Site 24	28 edays	Fri 7/30/10	Fri 8/27/10	900
902		Meeting to Discuss Preliminary RTCs on Draft Expanded Treatability Study Report for Site 24	1 eday	Fri 8/27/10	Sat 8/28/10	901
903		Internal Final Site 24 Expanded Treatability Study Report	33 edays	Sat 8/28/10	Thu 9/30/10	902
904		Navy Review Internal Final Site 24 Expanded Treatability Study Report	14 edays	Thu 9/30/10	Thu 10/14/10	903
905		Final Site 24 Expanded Treatability Study Report	14 edays	Thu 10/14/10	Thu 10/28/10	904
906		PP/DRAFT RAP FOR SITE 24	1274 days	Mon 8/20/07	Sun 2/13/11	
907		Navy to award contract for Site 24 PP/ROD/RAP	60 edays	Mon 8/20/07	Fri 10/19/07	
908		Prepare Internal Draft PP and Internal Draft RAP for Site 24	90 edays	Mon 5/10/10	Sun 8/8/10	895
909		BCT Scoping Meeting for PP/ROD/RAP for Site 24	0 days	Wed 6/9/10	Wed 6/9/10	908SS+30 edays
910		Navy Technical Review of Internal Draft PP and Internal Draft RAP for Site 24	30 edays	Sun 8/8/10	Tue 9/7/10	908
911		Incorporate Navy Technical Comments on Internal Draft PP and Internal Draft RAP for Site 24	14 edays	Tue 9/7/10	Tue 9/21/10	910
912		Navy Legal Review of Internal Draft PP and Internal Draft RAP for Site 24	30 edays	Tue 9/21/10	Thu 10/21/10	911
913		Prepare Draft PP and Draft RAP for Site 24	14 edays	Tue 9/7/10	Tue 9/21/10	910,909
914		Agency Review of Draft PP and Draft RAP for Site 24	30 edays	Tue 9/21/10	Thu 10/21/10	913
915		Prepare Preliminary RTCs on Draft PP and Draft RAP for Site 24	28 edays	Thu 10/21/10	Thu 11/18/10	914
916		Meeting to Discuss Preliminary RTCs on Draft PP and Draft RAP for Site 24	1 eday	Thu 11/18/10	Fri 11/19/10	915
917		Prepare Internal Final PP and Internal Final RAP for Site 24	31 edays	Fri 11/19/10	Mon 12/20/10	916
918		Navy Review of Internal Final PP and Internal Final RAP for Site 24	10 edays	Mon 12/20/10	Thu 12/30/10	917
919		Prepare Final PP and Draft Final RAP for Site 24	14 edays	Thu 12/30/10	Thu 1/13/11	918
920		Public Notice of Final PP and Draft Final RAP for Site 24	0 days	Thu 1/13/11	Thu 1/13/11	919

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ID		Task Name	Duration	Start	Finish	Pred
921		Public Comment Period for Final PP and Draft Final RAP for Site 24	30 edays	Thu 1/13/11	Sat 2/12/11	920
922		Finalize Administrative Record for Final PP and Draft Final RAP for Site 24	0 days	Sat 2/12/11	Sat 2/12/11	921
923		Public Meeting for Final PP and Draft Final RAP for Site 24	1 eday	Sat 2/12/11	Sun 2/13/11	922
924		ROD/RAP SITE 24	320 days	Mon 12/20/10	Fri 11/4/11	
925		Prepare Internal Draft ROD and Draft Final RAP for Site 24	90 edays	Mon 12/20/10	Sun 3/20/11	918SS
926		BCT Scoping Meeting for Site 24 ROD/RAP	0 edays	Wed 1/19/11	Wed 1/19/11	925SS+30 edays
927		Navy Technical Review of Internal Draft ROD and Draft Final RAP for Site 24	30 edays	Sun 3/20/11	Tue 4/19/11	925
928		Incorporate Navy Technical Comments on Internal Draft ROD and Draft Final RAP for Site 24	14 edays	Tue 4/19/11	Tue 5/3/11	927
929		Navy Legal Review of Internal Draft ROD and Draft Final RAP for Site 24	30 edays	Tue 5/3/11	Thu 6/2/11	928
930		Prepare Draft ROD and Draft RAP for Site 24	14 edays	Thu 6/2/11	Thu 6/16/11	929
931		Agency Review of Draft ROD and Draft RAP for Site 24	30 edays	Thu 6/16/11	Sat 7/16/11	930
932		Prepare Preliminary RTCs on Draft ROD and Draft RAP for Site 24	28 edays	Sat 7/16/11	Sat 8/13/11	931
933		Meeting to Discuss Preliminary RTCs on Draft ROD and Draft RAP for Site 24	0 edays	Sat 8/13/11	Sat 8/13/11	932
934		Prepare Internal Final ROD and Internal Final RAP for Site 24	30 edays	Sat 8/13/11	Mon 9/12/11	933
935		Navy Review of Internal Final ROD and Internal Final RAP for Site 24	10 edays	Mon 9/12/11	Thu 9/22/11	934
936		Prepare Final ROD and Draft Final RAP for Site 24	14 edays	Thu 9/22/11	Thu 10/6/11	935
937		Complete Legal Description Site 24 ROD/RAP	0 edays	Thu 10/6/11	Thu 10/6/11	936
938		ROD/RAP Signed for Site 24	30 days	Thu 10/6/11	Fri 11/4/11	937
939		Public Notice of Signing ROD/RAP for Site 24	0 edays	Fri 11/4/11	Fri 11/4/11	938
940		REMEDIAL DESIGN FOR SITE 24	310 days	Sat 8/13/11	Mon 6/18/12	
941		Navy to award contract for Site 24 Remedial Design and Action	63 edays	Sat 8/13/11	Sat 10/15/11	934SS
942		Internal Draft RD for Site 24	90 edays	Sat 10/15/11	Fri 1/13/12	934,941
943		BCT Scoping Meeting for Site 24 RD	0 days	Mon 11/14/11	Mon 11/14/11	942SS+30 edays
944		Navy Review of Internal Draft RD for Site 24	30 edays	Fri 1/13/12	Sun 2/12/12	942
945		Draft RD for Site 24	14 edays	Sun 2/12/12	Sun 2/26/12	944
946		Agency Review of Draft RD for Site 24	30 edays	Sun 2/26/12	Tue 3/27/12	945
947		Preliminary RTCs on Draft RD for Site 24	28 edays	Tue 3/27/12	Tue 4/24/12	946
948		Meeting to Discuss Preliminary RTCs on Draft RD for Site 24	1 eday	Tue 4/24/12	Wed 4/25/12	947
949		Internal Final for Site 24 RD	30 edays	Wed 4/25/12	Fri 5/25/12	948
950		Navy Review of Internal Final for Site 24 RD	10 edays	Fri 5/25/12	Mon 6/4/12	949
951		Final RD for Site 24	14 edays	Mon 6/4/12	Mon 6/18/12	950
952		REMEDIAL ACTION FOR SITE 24	507 days	Mon 6/18/12	Thu 11/7/13	
953		Remediation Field Work Site 24	365 edays	Mon 6/18/12	Tue 6/18/13	951

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ID		Task Name	Duration	Start	Finish	Pred
954		REMEDIAL ACTION REPORTS FOR SITE 24	142 days	Tue 6/18/13	Thu 11/7/13	
955		Internal Draft RA Reports for Site 24	30 edays	Tue 6/18/13	Thu 7/18/13	953
956		BCT Scoping Meeting for Site 24 RA Reports	0 days	Thu 7/18/13	Thu 7/18/13	955SS+30 edays
957		Navy Review of Internal Draft RA Reports for Site 24	14 edays	Thu 7/18/13	Thu 8/1/13	955
958		Draft RA Reports for Site 24	7 edays	Thu 8/1/13	Thu 8/8/13	957
959		Agency Review of Site 24 Draft RA Reports	30 edays	Thu 8/8/13	Sat 9/7/13	958
960		Internal Final RA Reports for Site 24	33 edays	Sat 9/7/13	Thu 10/10/13	959
961		Navy Review of Internal Final RA Reports for Site 24	14 edays	Thu 10/10/13	Thu 10/24/13	960
962		Final RA Reports for Site 24	14 edays	Thu 10/24/13	Thu 11/7/13	961
963		LONG TERM MONITORING FOR SITE 24	1095 edays	Tue 6/18/13	Fri 6/17/16	953
964		Site Completion for Site 24	30 edays	Fri 6/17/16	Sun 7/17/16	963

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ID		Task Name	Duration	Start	Finish	Pred
965		SITE 27	3354 days	Wed 5/7/03	Fri 1/25/13	
966		FEASIBILITY STUDY FOR SITE 27	1193 days	Wed 5/7/03	Sun 2/25/07	
984		ADDITIONAL INVESTIGATION AT SITE 27	792 days	Fri 4/28/06	Fri 6/27/08	
1002		FEASIBILITY STUDY (Rev 2)	565 days	Fri 6/27/08	Thu 1/14/10	
1003		Internal Draft FS (Rev 2) for Site 27	89 edays	Fri 6/27/08	Wed 9/24/08	1001
1004		Navy Technical and Legal Review of Site 27 Internal Draft FS (Rev 2)	44 edays	Wed 9/24/08	Fri 11/7/08	1003
1005		Draft FS (Rev 2) for Site 27	52 edays	Fri 11/7/08	Mon 12/29/08	1004
1006		Agency Review Draft FS (Rev 2) for Site 27	60 edays	Mon 12/29/08	Fri 2/27/09	1005
1007		Prepare Preliminary RTCs on Draft FS (Rev 2)	231 edays	Fri 2/27/09	Fri 10/16/09	1006
1008		Meeting to Discuss Preliminary RTCs on Draft FS for Site 27 (Rev 2)	0 edays	Fri 10/23/09	Fri 10/23/09	
1009		Prepare Internal Final FS (Rev 2)	34 edays	Fri 10/23/09	Thu 11/26/09	1008
1010		Navy Review of Internal Final RTC for Site 27 FS (Rev 2)	21 edays	Thu 11/26/09	Thu 12/17/09	1009
1011		Final FS (Rev 2) for Site 27	28 edays	Thu 12/17/09	Thu 1/14/10	1010
1012		PP/DRAFT RAP FOR SITE 27	468 days	Wed 7/1/09	Tue 10/12/10	
1013		Navy to award contract for Site 27 PP/Draft RAP and ROD	78 edays	Wed 7/1/09	Thu 9/17/09	
1014		Prepare Internal Draft PP and Internal Draft RAP for Site 27	90 edays	Thu 11/26/09	Wed 2/24/10	1010
1015		BCT Scoping Meeting for PP/ROD/RAP for Site 27	0 edays	Wed 2/24/10	Wed 2/24/10	1014
1016		Navy Technical Review of Internal Draft PP and Internal Draft RAP for Site 27	30 edays	Wed 2/24/10	Fri 3/26/10	1014
1017		Incorporate Navy Technical Comments on Internal Draft PP and Internal Draft RAP for Site 27	14 edays	Fri 3/26/10	Fri 4/9/10	1016
1018		Navy Legal Review of Internal Draft PP and Internal Draft RAP for Site 27	30 edays	Fri 4/9/10	Sun 5/9/10	1017
1019		Prepare Draft PP and Draft RAP for Site 27	14 edays	Sun 5/9/10	Sun 5/23/10	1018
1020		Agency Review of Draft PP and Draft RAP for Site 27	30 edays	Sun 5/23/10	Tue 6/22/10	1019
1021		Prepare Preliminary RTCs on Draft PP and Draft RAP for Site 27	21 edays	Tue 6/22/10	Tue 7/13/10	1020
1022		Navy Review of Preliminary RTCs on Draft PP and Draft RAP for Site 27	7 edays	Tue 7/13/10	Tue 7/20/10	1021
1023		BCT RTC Meeting for Draft PP and Draft RAP for Site 27	0 edays	Tue 7/20/10	Tue 7/20/10	1022
1024		Prepare Internal Final PP and Internal Final RAP for Site 27	30 edays	Tue 7/20/10	Thu 8/19/10	1023
1025		Navy Review of Internal Final PP and Internal Final RAP for Site 27	10 edays	Thu 8/19/10	Sun 8/29/10	1024
1026		Prepare Final PP and Draft Final RAP for Site 27	14 edays	Sun 8/29/10	Sun 9/12/10	1025
1027		Public notice of Final PP and Draft Final RAP for Site 27	0 edays	Sun 9/12/10	Sun 9/12/10	1026
1028		Public Comment Period for Final PP and Draft Final RAP for Site 27	30 edays	Sun 9/12/10	Tue 10/12/10	1027
1029		Finalize Administrative Record for Final PP and Draft Final RAP for Site 27	0 edays	Sun 9/12/10	Sun 9/12/10	1026
1030		Public Meeting for Final PP and Draft Final RAP for Site 27	0 edays	Sun 9/26/10	Sun 9/26/10	1028SS+15 days
1031		ROD/RAP Site 27	320 days	Thu 8/19/10	Tue 7/5/11	

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ID		Task Name	Duration	Start	Finish	Pred
1032		Prepare Internal Draft ROD and Draft Final RAP for Site 27	90 edays	Thu 8/19/10	Wed 11/17/10	1025SS
1033		BCT Scoping Meeting for Site 27 ROD/RAP	0 edays	Sun 9/19/10	Sun 9/19/10	1032SS+31 edays
1034		Navy Technical Review of Internal Draft ROD and Draft Final RAP for Site 27	29 edays	Wed 11/17/10	Thu 12/16/10	1032
1035		Incorporate Navy Technical Comments on Internal Draft ROD and Draft Final RAP for Site 27	14 edays	Thu 12/16/10	Thu 12/30/10	1034
1036		Navy Legal Review of Internal Draft ROD and Draft Final RAP for Site 27	31 edays	Thu 12/30/10	Sun 1/30/11	1035
1037		Prepare Draft ROD and Final RAP for Site 27	14 edays	Sun 1/30/11	Sun 2/13/11	1036
1038		Agency Review of Draft ROD and Final RAP for Site 27	30 edays	Sun 2/13/11	Tue 3/15/11	1037
1039		Prepare Preliminary RTCs on Draft ROD and Final RAP for Site 27	28 edays	Tue 3/15/11	Tue 4/12/11	1038
1040		Meeting to Discuss Preliminary RTCs on Draft ROD and Final RAP for Site 27	0 edays	Tue 4/12/11	Tue 4/12/11	1039
1041		Prepare Internal Final ROD and Final RAP for Site 27	30 edays	Tue 4/12/11	Thu 5/12/11	1040
1042		Navy Review of Internal Final ROD and Final RAP for Site 27	10 edays	Thu 5/12/11	Sun 5/22/11	1041
1043		Prepare Final ROD and Final RAP for Site 27	14 edays	Sun 5/22/11	Sun 6/5/11	1042
1044		Complete Legal Description for ROD/RAP for Site 27	0 edays	Sun 6/5/11	Sun 6/5/11	1043
1045		ROD/RAP Signed for Site 27	30 edays	Sun 6/5/11	Tue 7/5/11	1044
1046		Public Notice of Signing ROD/RAP for Site 27	0 edays	Tue 7/5/11	Tue 7/5/11	1045
1047		REMEDIAL DESIGN FOR SITE 27	624 days	Tue 4/12/11	Wed 12/26/12	
1048		Navy to award contract for Site 27 Remedial Design and Remedial Action	60 edays	Tue 4/12/11	Sat 6/11/11	1041SS
1049		Internal Draft RD for Site 27	90 edays	Sat 6/11/11	Fri 9/9/11	1048,1041
1050		BCT Scoping Meeting Site 27 RD	1 eday	Mon 7/11/11	Tue 7/12/11	1049SS+30 edays
1051		Navy Review of Internal Draft RD for Site 27	30 edays	Fri 9/9/11	Sun 10/9/11	1049
1052		Draft RD for Site 27	14 edays	Sun 10/9/11	Sun 10/23/11	1051
1053		Agency Review of Draft RD for Site 27	30 edays	Sun 10/23/11	Tue 11/22/11	1052
1054		Preliminary RTCs on Draft Site 27 RD	28 edays	Tue 11/22/11	Tue 12/20/11	1053
1055		Meeting to Discuss Preliminary RTCs on Draft Site 27 RD	1 eday	Tue 12/20/11	Wed 12/21/11	1054
1056		Internal Final for Site 27 RD	30 edays	Wed 12/21/11	Fri 1/20/12	1055
1057		Navy Review of Internal Final for Site 27 RD	14 edays	Fri 1/20/12	Fri 2/3/12	1056
1058		Final RD for Site 27	10 edays	Fri 2/3/12	Mon 2/13/12	1057
1059		REMEDIAL ACTION FOR SITE 27	317 days	Mon 2/13/12	Wed 12/26/12	
1060		Remediation Field Work Site 27	175 edays	Mon 2/13/12	Mon 8/6/12	1058
1061		REMEDIAL ACTION REPORTS FOR SITE 27	142 days	Mon 8/6/12	Wed 12/26/12	
1062		Internal Draft RA Reports for Site 27	30 edays	Mon 8/6/12	Wed 9/5/12	1060
1063		BCT Scoping Meeting for Site 27 RA Reports	0 days	Tue 8/21/12	Tue 8/21/12	1062SS+15 edays
1064		Navy Review of Internal Draft RA Reports for Site 27	14 edays	Wed 9/5/12	Wed 9/19/12	1062

All start and finish dates on Saturday 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
1065		Draft RA Reports for Site 27	7 edays	Wed 9/19/12	Wed 9/26/12	1064
1066		Agency Review of Site 27 Draft RA Reports	30 edays	Wed 9/26/12	Fri 10/26/12	1065
1067		Internal Final RA Reports for Site 27	33 edays	Fri 10/26/12	Wed 11/28/12	1066
1068		Navy Review of Internal Final RA Reports for Site 27	14 edays	Wed 11/28/12	Wed 12/12/12	1067
1069		Final RA Reports for Site 27	14 edays	Wed 12/12/12	Wed 12/26/12	1068
1070		Site Completion for Site 27	30 edays	Wed 12/26/12	Fri 1/25/13	1069

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1071		SITE 28	2195 days	Thu 12/2/04	Wed 1/5/11	
1072		REMEDIAL INVESTIGATION FOR Sites 8, 28, 29	1550 days	Thu 12/2/04	Wed 4/1/09	
1096		NFA PP/DRAFT RAP FOR SITE 28	957 days	Thu 8/2/07	Tue 3/16/10	
1097		Navy to award contract	60 days	Thu 8/2/07	Sun 9/30/07	
1098		Prepare Internal Draft NFA PP and Internal Draft RAP for Site 28	108 edays	Tue 4/21/09	Fri 8/7/09	1095FS+20 edays
1099		Navy Technical Review of Internal Draft NFA PP and Internal Draft RAP for Site 28	40 edays	Fri 8/7/09	Wed 9/16/09	1098
1100		Incorporate Navy Technical Comments on Internal Draft NFA PP and Internal Draft RAP for Site 28	14 edays	Wed 9/16/09	Wed 9/30/09	1099
1101		Navy Legal Review of Internal Draft NFA PP and Internal Draft RAP for Site 28	31 edays	Wed 9/30/09	Sat 10/31/09	1100
1102		Prepare Draft NFA PP and Draft RAP for Site 28	14 edays	Sat 10/31/09	Sat 11/14/09	1101
1103		Agency Review of Draft NFA PP and Draft RAP for Site 28	31 edays	Sat 11/14/09	Tue 12/15/09	1102
1104		Prepare Preliminary RTCs on NFA Draft PP and Draft RAP for Site 28	18 edays	Tue 12/15/09	Sat 1/2/10	1103
1105		Meeting to Discuss Preliminary RTCs on NFA Draft PP and Draft RAP for Site 28	0 edays	Sat 1/2/10	Sat 1/2/10	1104
1106		Prepare Internal Final NFA PP and Internal Final RAP for Site 28	19 edays	Sat 1/2/10	Thu 1/21/10	1105
1107		Navy Review of Internal Final NFA PP and Internal Final RAP for Site 28	10 edays	Thu 1/21/10	Sun 1/31/10	1106
1108		Prepare Final NFA PP and Draft Final RAP for Site 28	14 edays	Sun 1/31/10	Sun 2/14/10	1107
1109		Public Notice of Final NFA PP and Draft Final RAP for Site 28	0 edays	Sun 2/14/10	Sun 2/14/10	1108
1110		Public Comment Period for Final NFA PP and Draft Final RAP for Site 28	30 edays	Sun 2/14/10	Tue 3/16/10	1109
1111		Finalize Administrative Record for Final NFA PP and Draft Final RAP for Site 28	0 edays	Tue 3/16/10	Tue 3/16/10	1110
1112		Joint Public Meeting for Final NFA PP and Draft Final RAP for Site 28	0 edays	Tue 3/16/10	Tue 3/16/10	1111
1113		NFA ROD/RAP Site 28	320 days	Thu 1/21/10	Mon 12/6/10	
1114		Prepare Internal Draft NFA ROD and Draft Final RAP for Site 28	90 edays	Thu 1/21/10	Wed 4/21/10	1107SS
1115		BCT Scoping Meeting for NFA ROD/RAP for Site 28	0 edays	Sat 2/20/10	Sat 2/20/10	1114SS+30 edays
1116		Navy Technical Review of Internal Draft NFA ROD and Draft Final RAP for Site 28	30 edays	Wed 4/21/10	Fri 5/21/10	1114
1117		Incorporate Navy Technical Comments on Internal Draft NFA ROD and Draft Final RAP for Site 28	14 edays	Fri 5/21/10	Fri 6/4/10	1116
1118		Navy Legal Review of Internal Draft NFA ROD and Draft Final RAP for Site 28	30 edays	Fri 6/4/10	Sun 7/4/10	1117
1119		Prepare Draft NFA ROD and Final RAP for Site 28	14 edays	Sun 7/4/10	Sun 7/18/10	1118
1120		Agency Review of Draft NFA ROD and Final RAP for Site 28	30 edays	Sun 7/18/10	Tue 8/17/10	1119
1121		Prepare Preliminary RTCs on Draft NFA ROD and Final RAP for Site 28	28 edays	Tue 8/17/10	Tue 9/14/10	1120
1122		Meeting to Discuss Preliminary RTCs on Draft NFA ROD and Final RAP for Site 28	0 edays	Tue 9/14/10	Tue 9/14/10	1121
1123		Prepare Internal Final NFA ROD and Final RAP for Site 28	30 edays	Tue 9/14/10	Thu 10/14/10	1122
1124		Navy Review of Internal Final NFA ROD and Final RAP for Site 28	10 edays	Thu 10/14/10	Sun 10/24/10	1123
1125		Prepare Final NFA ROD and Final RAP for Site 28	14 edays	Sun 10/24/10	Sun 11/7/10	1124
1126		Complete Legal Description for NFA ROD/RAP for Site 28	0 edays	Sun 11/7/10	Sun 11/7/10	1125

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1127		NFA ROD/RAP Signed for Site 28	30 days	Sun 11/7/10	Mon 12/6/10	1126
1128		Public Notice of Signing NFA ROD/RAP for Site 28	0 edays	Mon 12/6/10	Mon 12/6/10	1127
1129		Site Completion for Site 28	30 edays	Mon 12/6/10	Wed 1/5/11	1128

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1130		SITE 29	6039 days	Thu 12/2/04	Fri 7/16/21	
1131		REMEDIAL INVESTIGATION FOR SITES 8 & 29	1545 days	Thu 12/2/04	Fri 3/27/09	
1155		CALTRANS BRIDGE CONSTRUCTION PROJECT	2920 days	Mon 11/3/08	Mon 10/31/16	
1156		REMAINING CERCLA ITEMS (IF NECESSARY)	1716 days	Thu 11/3/16	Fri 7/16/21	
1157		SITES 8 AND 29 RI ADDENDUM (IF NECESSARY)	290 edays	Thu 11/3/16	Sun 8/20/17	
1158		FEASIBILITY STUDY FOR SITES 8 & 29 (IF NECESSARY)	350 days	Sun 8/20/17	Sun 8/5/18	
1172		PP/DRAFT RAP FOR SITES 8 & 29	320 days	Thu 7/12/18	Tue 5/28/19	
1189		ROD/RAP SITES 8 & 29	320 days	Thu 4/4/19	Mon 2/17/20	
1205		REMEDIAL DESIGN FOR SITES 8 & 29 (IF NECESSARY)	276 days	Tue 11/26/19	Fri 8/28/20	
1217		REMEDIAL ACTION FOR SITES 8 & 29 (IF NECESSARY)	292 days	Fri 8/28/20	Wed 6/16/21	
1228		Site Completion for Sites 8 & 29	30 edays	Wed 6/16/21	Fri 7/16/21	1227

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1229		SITE 30	2352 days	Sun 3/16/03	Mon 3/8/10	
1230		SITE 30 DATA AND FIELD ACTIVITY REPORT	108 days	Sun 3/16/03	Mon 7/28/03	
1236		GROUNDWATER MONITORING FOR SITES 30/31	160 days	Thu 1/1/04	Thu 8/12/04	
1249		REMEDIAL INVESTIGATION FOR SITE 30	519 days	Thu 7/8/04	Fri 2/17/06	
1263		FEASIBILITY STUDY FOR SITE 30	498 days	Mon 7/4/05	Tue 11/14/06	
1277		PP FOR SITE 30	804 days	Sun 8/6/06	Sat 10/18/08	
1296		ROD/RAP FOR SITE 30	609 days	Wed 1/30/08	Wed 9/30/09	
1297		Internal Draft ROD/RAP for Site 30	90 edays	Wed 1/30/08	Tue 4/29/08	
1298		BCT Scoping Meeting for Site 30 ROD/RAP	0 edays	Fri 10/10/08	Fri 10/10/08	
1299		Navy Technical Review Internal Draft ROD/RAP for Site 30	111 edays	Tue 4/29/08	Mon 8/18/08	1297
1300		Draft ROD/RAP for Site 30	61 edays	Mon 8/18/08	Sat 10/18/08	1299
1301		Agency Review (and Navy Legal Review) of Site 30 Draft ROD/RAP	75 edays	Sat 10/18/08	Thu 1/1/09	1300
1302		Draft RTCs for Agency Comments on Draft Site 30 ROD/RAP	41 edays	Thu 1/1/09	Wed 2/11/09	1301
1303		Navy Review of Draft RTCs for Agency Comments on Draft Site 30 ROD/RAP	19 edays	Wed 2/11/09	Mon 3/2/09	1302
1304		BCT Scoping Meeting to Discuss RTCs for Draft Site 30 ROD/RAP	0 edays	Wed 3/4/09	Wed 3/4/09	1303FS+2 edays
1305		Internal Final ROD/RAP for Site 30	130 edays	Wed 3/4/09	Sun 7/12/09	1304
1306		Navy Review of Internal Final ROD/RAP for Site 30	2 edays	Mon 7/20/09	Wed 7/22/09	1305
1307		Final ROD/RAP for Site 30	2 edays	Wed 7/22/09	Fri 7/24/09	1306
1308		Site 30 ROD/RAP Signed	12 edays	Fri 7/24/09	Wed 8/5/09	1307
1309		Public Notice of Signing ROD/RAP for Site 30	0 edays	Wed 9/30/09	Wed 9/30/09	
1310		SITE 30 LAND USE CONTROL WORK PLAN	360 days	Wed 2/11/09	Sat 2/6/10	
1311		Prepare Internal Draft Site 30 Land Use Control Work Plan	68 edays	Wed 2/11/09	Mon 4/20/09	1302
1312		Navy Technical Review Internal Draft Site 30 Land Use Control Work Plan	11 edays	Mon 4/20/09	Fri 5/1/09	1311
1313		Revise Internal Draft Site 30 Land Use Control Work Plan	41 edays	Fri 5/1/09	Thu 6/11/09	1312
1314		Navy Legal Review Internal Draft Site 30 Land Use Control Work Plan	30 edays	Thu 6/11/09	Sat 7/11/09	1313
1315		Prepare Draft Site 30 Land Use Work Plan	96 edays	Sat 7/11/09	Thu 10/15/09	1314
1316		Agency Review Draft Site 30 Land Use Control Work Plan	30 edays	Thu 10/15/09	Sat 11/14/09	1315,1307FS+ edays
1317		Prepare Preliminary Responses to Agency Comments on Draft Site 30 Land Use Control Work Plan	28 edays	Sat 11/14/09	Sat 12/12/09	1316
1318		Prepare Internal Final Site 30 Land Use Control Work Plan	32 edays	Sat 12/12/09	Wed 1/13/10	1317
1319		Navy Review Internal Final Site 30 Land Use Control Work Plan	10 edays	Wed 1/13/10	Sat 1/23/10	1318
1320		Prepare Final Site 30 Land Use Control Work Plan	14 edays	Sat 1/23/10	Sat 2/6/10	1319
1321		Site Completion for Site 30	30 edays	Sat 2/6/10	Mon 3/8/10	1320

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ID		Task Name	Duration	Start	Finish	Pred
1322		SITE 31	2401 days	Wed 6/11/03	Sat 7/10/10	
1323		ADDITIONAL INVESTIGATION FOR SITE 31	67 days	Wed 6/11/03	Fri 9/12/03	
1335		GROUNDWATER MONITORING FOR SITES 30/31 (See Site 30 for complete schedule)	155 days	Thu 1/1/04	Thu 8/5/04	
1348		REMEDIAL INVESTIGATION FOR SITE 31	666 days	Thu 7/8/04	Fri 7/14/06	
1371		FEASIBILITY STUDY FOR SITE 31	600 days	Wed 7/20/05	Tue 3/13/07	
1385		PP FOR SITE 31	804 days	Sun 8/6/06	Sat 10/18/08	
1404		ROD/RAP FOR SITE 31	616 days	Wed 1/23/08	Wed 9/30/09	
1405		Internal Draft Site 31 ROD/RAP	90 edays	Wed 1/23/08	Tue 4/22/08	
1406		BCT Scoping Meeting for Site 31 ROD/RAP	0 days	Wed 10/8/08	Wed 10/8/08	1398FS+30 edays
1407		Navy Technical Review of Internal Draft Site 31 ROD/RAP	142 edays	Tue 4/22/08	Thu 9/11/08	1405
1408		Draft ROD/RAP for Site 31	35 edays	Thu 9/11/08	Thu 10/16/08	1407
1409		Agency (and Navy Legal) Review of Draft ROD/RAP for Site 31	126 edays	Thu 10/16/08	Thu 2/19/09	1408
1410		Preliminary RTCs on Draft ROD/RAP for Site 31	7 edays	Thu 2/19/09	Thu 2/26/09	1409
1411		Meeting to Discuss Preliminary RTCs on Draft ROD/RAP for Site 31	0 edays	Wed 3/4/09	Wed 3/4/09	1410FS+6 edays
1412		Internal Final ROD/RAP for Site 31	131 edays	Wed 3/4/09	Mon 7/13/09	1411
1413		Navy Review of Internal Final ROD/RAP for Site 31	4 edays	Mon 7/13/09	Fri 7/17/09	1412
1414		Final ROD/RAP for Site 31	7 edays	Fri 7/17/09	Fri 7/24/09	1413
1415		Site 31 ROD/RAP Signed	13 days	Fri 7/24/09	Wed 8/5/09	
1416		Public Notice of Signing ROD/RAP	0 days	Wed 9/30/09	Wed 9/30/09	
1417		REMEDIAL ACTION WORK PLAN AND REMEDIAL ACTION FOR SITE 31	708 days	Wed 7/2/08	Thu 6/10/10	
1418		Award contract for Site 31 Remedial Design and Remedial Action	70 edays	Wed 7/2/08	Wed 9/10/08	
1419		Internal Draft RAWP for Site 31	105 edays	Thu 2/26/09	Thu 6/11/09	1409FS+7 edays
1420		BCT Scoping Meeting Site 31 RAWP	0 edays	Wed 5/6/09	Wed 5/6/09	
1421		Navy Technical Review of Internal Draft RAWP for Site 31	21 edays	Thu 6/11/09	Thu 7/2/09	1419
1422		Revise Internal Draft RAWP for Site 31	7 edays	Thu 7/2/09	Thu 7/9/09	1421
1423		Navy Legal Review of Internal Draft RAWP for Site 31	21 edays	Thu 7/9/09	Thu 7/30/09	1422
1424		Prepare Draft RAWP for Site 31	70 edays	Thu 7/30/09	Thu 10/8/09	1423
1425		Agency Review of Draft RAWP for Site 31	30 edays	Thu 10/8/09	Sat 11/7/09	1424,1414FS+ edays
1426		Preliminary RTCs on Draft Site 31 RAWP	7 edays	Sat 11/7/09	Sat 11/14/09	1425
1427		Meeting to Discuss Preliminary RTCs on Draft Site 31 RAWP	0 edays	Sat 11/14/09	Sat 11/14/09	1426
1428		Internal Final for Site 31 RAWP	7 edays	Sat 11/14/09	Sat 11/21/09	1427
1429		Navy Review of Internal Final for Site 31 RAWP	10 edays	Sat 11/21/09	Tue 12/1/09	1428
1430		Final RAWP for Site 31	3 edays	Tue 12/1/09	Fri 12/4/09	1429

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ID		Task Name	Duration	Start	Finish	Pred
1431		REMEDIAL ACTION FOR SITE 31	188 days	Fri 12/4/09	Thu 6/10/10	
1432		Remediation Field Work Site 31	60 edays	Fri 12/4/09	Tue 2/2/10	1430
1433		REMEDIAL ACTION REPORTS FOR SITE 31	128 days	Tue 2/2/10	Thu 6/10/10	
1434		Internal Draft RA Reports for Site 31	30 edays	Tue 2/2/10	Thu 3/4/10	1432
1435		BCT Working Meeting for Site 31 RA Reports	0 days	Wed 2/17/10	Wed 2/17/10	1434SS+15 edays
1436		Navy Review of Internal Draft RA Reports for Site 31	14 edays	Wed 2/17/10	Wed 3/3/10	1435
1437		Draft RA Reports for Site 31	8 edays	Wed 3/3/10	Thu 3/11/10	1436
1438		Agency Review of Site 31 Draft RA Reports	30 edays	Thu 3/11/10	Sat 4/10/10	1437
1439		Internal Final RA Reports for Site 31	33 edays	Sat 4/10/10	Thu 5/13/10	1438
1440		Navy Review of Internal Final RA Reports for Site 31	14 edays	Thu 5/13/10	Thu 5/27/10	1439
1441		Final RA Reports for Site 31	14 edays	Thu 5/27/10	Thu 6/10/10	1440
1442		Site Completion for Site 31	30 edays	Thu 6/10/10	Sat 7/10/10	1441

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1443		SITE 32	3261 days	Wed 9/15/04	Fri 10/11/13	
1444		REMEDIAL INVESTIGATION FOR SITE 32	1455 days	Wed 9/15/04	Thu 10/30/08	
1466		FEASIBILITY STUDY FOR SITE 32 (IF NECESSARY)	1158 days	Sat 8/4/07	Tue 10/5/10	
1467		Navy to Award Contract For Site 32 FS/PP/ROD	60 edays	Sat 8/4/07	Wed 10/3/07	
1468		Internal Draft FS for Site 32	90 edays	Sat 12/19/09	Fri 3/19/10	1932
1469		BCT Scoping Meeting Site 32 FS	1 day	Mon 1/18/10	Mon 1/18/10	1468SS+30 edays
1470		Navy Technical Review of Site 32 Internal Draft FS	30 edays	Fri 3/19/10	Sun 4/18/10	1468
1471		Incorporate Navy Technical Comments on Site 32 Internal Draft FS	14 edays	Sun 4/18/10	Sun 5/2/10	1470
1472		Navy Legal Review of Site 32 Internal Draft FS	30 edays	Sun 5/2/10	Tue 6/1/10	1471
1473		Draft FS for Site 32	14 edays	Tue 6/1/10	Tue 6/15/10	1472
1474		Agency Review of Site 32 Draft FS	30 edays	Tue 6/15/10	Thu 7/15/10	1473
1475		Preliminary RTCs for Site 32 FS	28 edays	Thu 7/15/10	Thu 8/12/10	1474
1476		BCT RTC Meeting Site 32 Draft FS	0 edays	Thu 8/12/10	Thu 8/12/10	1475
1477		Internal Final FS for Site 32	30 edays	Thu 8/12/10	Sat 9/11/10	1476
1478		Navy Review of Site 32 Internal Final FS	10 edays	Sat 9/11/10	Tue 9/21/10	1477
1479		Final FS for Site 32	14 edays	Tue 9/21/10	Tue 10/5/10	1478
1480		PP/DRAFT RAP FOR SITE 32	320 days	Thu 8/12/10	Tue 6/28/11	
1481		Prepare Internal Draft PP and Internal Draft RAP for Site 32	90 edays	Thu 8/12/10	Wed 11/10/10	1477SS
1482		BCT Scoping Meeting for Site 32 PP/ROD/RAP	0 edays	Sat 9/11/10	Sat 9/11/10	1481SS+30 edays
1483		Navy Technical Review of Internal Draft PP and Internal Draft RAP for Site 32	30 edays	Wed 11/10/10	Fri 12/10/10	1481,1482
1484		Incorporate Navy Technical Review Comments on Internal Draft PP and Internal Draft RAP for Site 32	14 edays	Fri 12/10/10	Fri 12/24/10	1483
1485		Navy Legal Review of Internal Draft PP and Internal Draft RAP for Site 32	30 edays	Fri 12/24/10	Sun 1/23/11	1484
1486		Prepare Draft PP and Draft RAP for Site 32	14 edays	Sun 1/23/11	Sun 2/6/11	1485
1487		Agency Review of Draft PP and Draft RAP for Site 32	30 edays	Sun 2/6/11	Tue 3/8/11	1486
1488		Prepare Preliminary RTCs for Draft PP and Draft RAP for Site 32	28 edays	Tue 3/8/11	Tue 4/5/11	1487
1489		Meeting to Discuss Preliminary RTCs for Draft PP and Draft RAP for Site 32	0 edays	Tue 4/5/11	Tue 4/5/11	1488
1490		Prepare Internal Final PP and Internal Final RAP for Site 32	30 edays	Tue 4/5/11	Thu 5/5/11	1489
1491		Navy Review of Internal Final PP and Internal Final RAP for Site 32	10 edays	Thu 5/5/11	Sun 5/15/11	1490
1492		Prepare Final PP and Draft Final RAP for Site 32	14 edays	Sun 5/15/11	Sun 5/29/11	1491
1493		Public Notice for Final PP and Draft Final RAP for Site 32	0 days	Sun 5/29/11	Sun 5/29/11	1492
1494		Public Comment Period for Final PP and Draft Final RAP for Site 32	30 edays	Sun 5/29/11	Tue 6/28/11	1493
1495		Finalize Administrative Record for Final PP and Draft Final RAP for Site 32	0 days	Tue 6/28/11	Tue 6/28/11	1494
1496		Public Meeting for Final PP and Draft Final RAP for Site 32	0 edays	Tue 6/28/11	Tue 6/28/11	1495

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1497		ROD/RAP FOR SITE 32	320 days	Thu 5/5/11	Mon 3/19/12	
1498		Prepare Internal Draft ROD and Draft Final RAP for Site 32	90 edays	Thu 5/5/11	Wed 8/3/11	1491SS
1499		BCT Scoping Meeting for Site 32 ROD/RAP	0 edays	Sat 6/4/11	Sat 6/4/11	1498SS+30 edays
1500		Navy Technical Review of Internal Draft ROD and Draft Final RAP for Site 32	30 edays	Wed 8/3/11	Fri 9/2/11	1498
1501		Incorporate Navy Technical Comments on Internal Draft ROD and Draft Final RAP for Site 32	14 edays	Fri 9/2/11	Fri 9/16/11	1500
1502		Navy Legal Review of Internal Draft ROD and Draft Final RAP for Site 32	30 edays	Fri 9/16/11	Sun 10/16/11	1501
1503		Prepare Draft ROD and Final RAP for Site 32	14 edays	Sun 10/16/11	Sun 10/30/11	1502
1504		Agency Review of Draft ROD and Final RAP for Site 32	30 edays	Sun 10/30/11	Tue 11/29/11	1503
1505		Preliminary RTCs for Draft ROD and Final RAP for Site 32	28 edays	Tue 11/29/11	Tue 12/27/11	1504
1506		Meeting to Discuss Preliminary RTCs for Draft ROD and Final RAP for Site 32	0 edays	Tue 12/27/11	Tue 12/27/11	1505
1507		Prepare Internal Final ROD and Final RAP for Site 32	30 edays	Tue 12/27/11	Thu 1/26/12	1506
1508		Navy Review of Internal Final ROD and Final RAP for Site 32	10 edays	Thu 1/26/12	Sun 2/5/12	1507
1509		Prepare Final ROD and Final RAP for Site 32	14 edays	Sun 2/5/12	Sun 2/19/12	1508
1510		Complete Legal Description for ROD/RAP for Site 32	0 edays	Sun 2/19/12	Sun 2/19/12	1509
1511		ROD/RAP Signed for Site 32	30 days	Sun 2/19/12	Mon 3/19/12	1510
1512		Public Notice of Signing ROD/RAP for Site 32	0 edays	Mon 3/19/12	Mon 3/19/12	1511
1513		REMEDIAL DESIGN FOR SITE 32	624 days	Tue 12/27/11	Wed 9/11/13	
1514		Navy to award contract for Site 32 Remedial Design and Action	60 edays	Tue 12/27/11	Sat 2/25/12	1507SS
1515		BCT Scoping Meeting for Site 32 RD	0 days	Mon 3/26/12	Mon 3/26/12	1514FS+30 edays
1516		Internal Draft RD for Site 32	60 edays	Mon 3/26/12	Fri 5/25/12	1507,1515
1517		Navy Review of Internal Draft RD for Site 32	30 edays	Fri 5/25/12	Sun 6/24/12	1516
1518		Draft RD for Site 32	14 edays	Sun 6/24/12	Sun 7/8/12	1517
1519		Agency Review of Draft RD for Site 32	30 edays	Sun 7/8/12	Tue 8/7/12	1518
1520		Preliminary RTCs for Draft Site 32 RD	28 edays	Tue 8/7/12	Tue 9/4/12	1519
1521		Meeting to Discuss Preliminary RTCs for Draft Site 32 RD	1 eday	Tue 9/4/12	Wed 9/5/12	1520
1522		Internal Final for Site 32 RD	30 edays	Wed 9/5/12	Fri 10/5/12	1521
1523		Navy Review of Internal Final for Site 32 RD	10 edays	Fri 10/5/12	Mon 10/15/12	1522
1524		Final RD for Site 32	14 edays	Mon 10/15/12	Mon 10/29/12	1523
1525		REMEDIAL ACTION FOR SITE 32	317 days	Mon 10/29/12	Wed 9/11/13	
1526		Remediation Field Work Site 32	175 edays	Mon 10/29/12	Mon 4/22/13	1524
1527		REMEDIAL ACTION REPORTS FOR SITE 32	142 days	Mon 4/22/13	Wed 9/11/13	
1528		Internal Draft RA Reports for Site 32	30 edays	Mon 4/22/13	Wed 5/22/13	1526
1529		Navy Review of Internal Draft RA Reports for Site 32	14 edays	Wed 5/22/13	Wed 6/5/13	1528

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1530		Draft RA Reports for Site 32	7 edays	Wed 6/5/13	Wed 6/12/13	1529
1531		Agency Review of Site 32 Draft RA Reports	30 edays	Wed 6/12/13	Fri 7/12/13	1530
1532		Internal Final RA Reports for Site 32	33 edays	Fri 7/12/13	Wed 8/14/13	1531
1533		Navy Review of Internal Final RA Reports for Site 32	14 edays	Wed 8/14/13	Wed 8/28/13	1532
1534		Final RA Reports for Site 32	14 edays	Wed 8/28/13	Wed 9/11/13	1533
1535		Site Completion for Site 32	30 edays	Wed 9/11/13	Fri 10/11/13	1534

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ID		Task Name	Duration	Start	Finish	Pred
1536		SITE 33	3259 days	Tue 12/2/03	Sat 3/16/13	
1537		REMEDIAL INVESTIGATION FOR SITE 33	2071 days	Tue 12/2/03	Mon 12/14/09	
1538		Navy to award contract for Site 33 RI	86 edays	Sun 12/5/04	Tue 3/1/05	
1539		Navy to submit letter for CERCLA site designation	126 edays	Tue 12/2/03	Tue 4/6/04	
1540		GROUNDWATER MONITORING FOR SITE 33	185 days	Thu 3/17/05	Sun 9/18/05	
1552		Internal Draft RI Site 33	177 days	Thu 2/2/06	Fri 7/28/06	1549
1558		Navy Review of Internal Draft RI Site 33	45 edays	Thu 9/7/06	Sun 10/22/06	1557
1559		VI weight of evidence evaluation for Site 33	64 edays	Wed 10/25/06	Thu 12/28/06	
1560		Contract Revisions for Site 33	411 days	Thu 3/15/07	Mon 4/28/08	
1561		Draft RI Site 33	67 edays	Mon 8/11/08	Fri 10/17/08	1559FS+37 edays
1562		Agency Review Site 33 Draft RI	81 edays	Fri 10/17/08	Tue 1/6/09	1561
1563		Prepare Preliminary RTCs for Site 33 Draft RI	169 edays	Wed 1/7/09	Thu 6/25/09	1562FS+1 day
1564		BCT RTC Meeting Site 33 Draft RI	1 day	Wed 7/22/09	Wed 7/22/09	1563FS+20 edays
1565		Internal Final Site 33	117 edays	Wed 7/22/09	Mon 11/16/09	1564
1566		Navy Review of Internal Final RI Site 33	14 edays	Mon 11/16/09	Mon 11/30/09	1565
1567		Final RI Site 33	14 edays	Mon 11/30/09	Mon 12/14/09	1566
1568		FEASIBILITY STUDY FOR SITE 33	1141 days	Sat 8/4/07	Fri 9/17/10	
1569		Navy to Award Contract For Site 33 FS/PP/ROD	61 edays	Sat 8/4/07	Thu 10/4/07	1562
1570		Internal Draft FS for Site 33	90 edays	Mon 11/16/09	Sun 2/14/10	1569FS+30 edays,1565
1571		BCT Scoping Meeting Site 33 FS	1 day	Thu 12/17/09	Thu 12/17/09	1570SS+30 edays
1572		Navy Technical Review of Site 33 Internal Draft FS	30 edays	Sun 2/14/10	Tue 3/16/10	1570
1573		Respond to Navy Technical Review Comments and Prepare Internal Draft for Navy Legal Review Site 33 FS	14 edays	Tue 3/16/10	Tue 3/30/10	1572
1574		Navy Legal Review of Site 33 Internal Draft FS	30 edays	Tue 3/30/10	Thu 4/29/10	1573
1575		Draft FS for Site 33	14 edays	Thu 4/29/10	Thu 5/13/10	1574
1576		Agency Review of Site 33 Draft FS	30 edays	Thu 5/13/10	Sat 6/12/10	1575
1577		Prepare Preliminary RTCs for Site 33 Draft FS	28 edays	Sat 6/12/10	Sat 7/10/10	1576
1578		BCT RTC Meeting Site 33 FS	1 day	Sun 7/11/10	Sun 7/11/10	1577
1579		Internal Final FS for Site 33	30 edays	Sun 7/11/10	Tue 8/10/10	1578
1580		Navy Review of Site 33 Internal Final FS	10 edays	Tue 8/10/10	Fri 8/20/10	1579
1581		Final FS for Site 33	28 edays	Fri 8/20/10	Fri 9/17/10	1580
1582		PP/DRAFT RAP FOR SITE 33	320 days	Sun 7/11/10	Fri 5/27/11	
1583		Prepare Internal Draft PP and Internal Draft RAP for Site 33	90 edays	Sun 7/11/10	Sat 10/9/10	1579SS
1584		BCT Scoping Meeting for Site 33 PP/RAP	0 edays	Tue 8/10/10	Tue 8/10/10	1583SS+30 edays

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ID		Task Name	Duration	Start	Finish	Pred
1585		Navy Technical Review of Internal Draft PP and Internal Draft RAP for Site 33	30 edays	Sat 10/9/10	Mon 11/8/10	1583
1586		Incorporate Navy Technical Comments on Internal Draft PP and Internal Draft RAP for Site 33	14 edays	Mon 11/8/10	Mon 11/22/10	1585
1587		Navy Legal Review of Internal Draft PP and Internal Draft RAP for Site 33	30 edays	Mon 11/22/10	Wed 12/22/10	1586
1588		Prepare Draft PP and Draft RAP for Site 33	14 edays	Wed 12/22/10	Wed 1/5/11	1587
1589		Agency Review of Draft PP and Draft RAP for Site 33	30 edays	Wed 1/5/11	Fri 2/4/11	1588
1590		Prepare Preliminary RTCs for Draft PP and Draft RAP for Site 33	28 edays	Fri 2/4/11	Fri 3/4/11	1589
1591		Meeting to Discuss Preliminary RTCs for Draft PP and Draft RAP for Site 33	0 edays	Fri 3/4/11	Fri 3/4/11	1590
1592		Prepare Internal Final PP and Internal Final RAP for Site 33	30 edays	Fri 3/4/11	Sun 4/3/11	1591
1593		Navy Review of Internal Final PP and Internal Final RAP for Site 33	10 edays	Sun 4/3/11	Wed 4/13/11	1592
1594		Prepare Final PP and Draft Final RAP for Site 33	14 edays	Wed 4/13/11	Wed 4/27/11	1593
1595		Prepare Public Notice for Final PP and Draft Final RAP for Site 33	0 edays	Wed 4/27/11	Wed 4/27/11	1594
1596		Public Comment Period for Final PP and Draft Final RAP for Site 33	30 edays	Wed 4/27/11	Fri 5/27/11	1595
1597		Finalize Administrative Record for Final PP and Draft Final RAP for Site 33	0 edays	Fri 5/27/11	Fri 5/27/11	1596
1598		Public Meeting for Final PP and Draft Final RAP for Site 33	0 edays	Fri 5/27/11	Fri 5/27/11	1597
1599		ROD/RAP FOR SITE 33	320 days	Sun 4/3/11	Fri 2/17/12	
1600		Prepare Internal Draft ROD and Draft Final RAP for Site 33	90 edays	Sun 4/3/11	Sat 7/2/11	1593SS
1601		BCT Scoping Meeting for Site 33 ROD/RAP	0 edays	Tue 5/3/11	Tue 5/3/11	1600SS+30 edays
1602		Navy Technical Review of Internal Draft ROD and Draft Final RAP for Site 33	30 edays	Sat 7/2/11	Mon 8/1/11	1600
1603		Incorporate Navy Technical Comments on Internal Draft ROD and Draft Final RAP for Site 33	14 edays	Mon 8/1/11	Mon 8/15/11	1602
1604		Navy Legal Review of Internal Draft ROD and Draft Final RAP for Site 33	30 edays	Mon 8/15/11	Wed 9/14/11	1603
1605		Prepare Draft ROD and Final RAP for Site 33	14 edays	Wed 9/14/11	Wed 9/28/11	1604
1606		Agency Review of Draft ROD and Final RAP for Site 33	30 edays	Wed 9/28/11	Fri 10/28/11	1605
1607		Prepare Preliminary RTCs on Draft ROD and Final RAP for Site 33	28 edays	Fri 10/28/11	Fri 11/25/11	1606
1608		Meeting to Discuss Preliminary RTCs on Draft ROD and Final RAP for Site 33	0 edays	Fri 11/25/11	Fri 11/25/11	1607
1609		Prepare Internal Final ROD and Final RAP for Site 33	30 edays	Fri 11/25/11	Sun 12/25/11	1608
1610		Navy Review of Internal Final ROD and Final RAP for Site 33	10 edays	Sun 12/25/11	Wed 1/4/12	1609
1611		Prepare Final ROD and Final RAP for Site 33	14 edays	Wed 1/4/12	Wed 1/18/12	1610
1612		Complete Legal Description for ROD/RAP for Site 33	0 edays	Wed 1/18/12	Wed 1/18/12	1611
1613		ROD/RAP Signed for Site 33	30 days	Thu 1/19/12	Fri 2/17/12	1612
1614		Public Notice of Signing ROD/RAP for Site 33	0 edays	Fri 2/17/12	Fri 2/17/12	1613
1615		REMEDIAL DESIGN FOR SITE 33	446 days	Fri 11/25/11	Wed 2/13/13	
1616		Navy to award contract for Site 33 Remedial Design and Action	60 edays	Fri 11/25/11	Tue 1/24/12	1609SS

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
1617		Internal Draft RD for Site 33	60 edays	Tue 1/24/12	Sat 3/24/12	1616
1618		BCT Scoping Meeting for Site 33 Remedial Design	1 eday	Wed 2/22/12	Thu 2/23/12	1617SF+30 edays
1619		Navy Review of Internal Draft RD for Site 33	30 edays	Thu 2/23/12	Sat 3/24/12	1618
1620		BCT Scoping Meeting for Site 33 RD	0 days	Sat 3/24/12	Sat 3/24/12	1619
1621		Draft RD for Site 33	14 edays	Sat 3/24/12	Sat 4/7/12	1620
1622		Agency Review of Draft RD for Site 33	30 edays	Sat 4/7/12	Mon 5/7/12	1621
1623		Prepare Preliminary Response to Comments for Site 33 Draft RD	28 edays	Mon 5/7/12	Mon 6/4/12	1622
1624		BCT Meeting to Discuss Preliminary RTCs for Site 33 RD	0 edays	Mon 6/4/12	Mon 6/4/12	1623
1625		Internal Final for Site 33 RD	30 edays	Mon 6/4/12	Wed 7/4/12	1624
1626		Navy Review of Internal Final for Site 33 RD	10 edays	Wed 7/4/12	Sat 7/14/12	1625
1627		Final RD for Site 33	14 edays	Sat 7/14/12	Sat 7/28/12	1626
1628		REMEDIAL ACTION FOR SITE 33	200 days	Sat 7/28/12	Wed 2/13/13	
1629		Remediation Field Work Site 33	60 edays	Sat 7/28/12	Wed 9/26/12	1627
1630		REMEDIAL ACTION REPORTS FOR SITE 33	140 days	Wed 9/26/12	Wed 2/13/13	
1631		Internal Draft RA Reports for Site 33	31 edays	Wed 9/26/12	Sat 10/27/12	1629
1632		Navy Review of Internal Draft RA Reports for Site 33	14 edays	Sat 10/27/12	Sat 11/10/12	1631
1633		Draft RA Reports for Site 33	7 edays	Sat 11/10/12	Sat 11/17/12	1632
1634		Agency Review of Site 33 Draft RA Reports	30 edays	Sat 11/17/12	Mon 12/17/12	1633
1635		Internal Final RA Reports for Site 33	30 edays	Mon 12/17/12	Wed 1/16/13	1634
1636		Navy Review of Internal Final RA Reports for Site 33	14 edays	Wed 1/16/13	Wed 1/30/13	1635
1637		Final RA Reports for Site 33	14 edays	Wed 1/30/13	Wed 2/13/13	1636
1638		Site Completion For Site 33	31 edays	Wed 2/13/13	Sat 3/16/13	1637

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ID		Task Name	Duration	Start	Finish	Pred
1639		PETROLEUM PROGRAM	5407 days	Wed 6/26/02	Tue 12/12/17	
1640		SITE 4/19 - Closed	248 days	Wed 2/5/03	Wed 12/17/03	
1650		SITES 14/22 - Closed	877 days	Wed 6/26/02	Mon 7/18/05	
1667		SITE 15 - Closed	454 days	Tue 2/4/03	Tue 9/28/04	
1685		SITE 16 - Closed	228 days	Sat 8/2/03	Thu 6/17/04	
1694		SITE 20 - Closed	285 days	Tue 5/13/03	Thu 6/17/04	
1704		Site 227 - Closed	173 days	Sat 1/24/04	Tue 9/21/04	
1715		UST Site 180C - Closed	493 days	Sun 2/15/04	Tue 10/11/05	
1723		F2A/F2B - Closed	647 days	Thu 5/1/03	Mon 8/22/05	
1740		Site YF2 - Closed	73 days	Tue 3/9/04	Thu 6/17/04	
1747		D1B (3rd Street) Closed	912 days	Thu 5/1/03	Sun 5/14/06	

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ID		Task Name	Duration	Start	Finish	Pred
1760		SITE 6	2374 days	Tue 4/8/03	Thu 4/22/10	
1761		POST-CONSTRUCTION REPORT FOR SITE 6	261 days	Tue 4/8/03	Thu 4/1/04	
1768		GROUNDWATER MONITORING FOR SITE 6	339 edays	Wed 5/28/03	Sat 5/1/04	
1769		ADDITIONAL INVESTIGATION: SOIL VAPOR SAMPLING	45 edays	Mon 7/12/04	Thu 8/26/04	
1770		CLOSURE SUMMARY REPORT FOR SITE 6	255 days	Sat 3/26/05	Tue 12/6/05	
1771		Internal Draft Closure Summary Report Site 6 NFA Request	153 edays	Sat 3/26/05	Fri 8/26/05	
1772		Navy Review of Internal Draft Closure Summary Report Site 6 NFA Request	4 edays	Fri 8/26/05	Tue 8/30/05	1771
1773		Draft Closure Summary Report Site 6 NFA Request	15 edays	Tue 8/30/05	Wed 9/14/05	1772
1774		Agency Review of Draft Closure Summary Report Site 6 NFA Request	34 edays	Wed 9/14/05	Tue 10/18/05	1773
1775		Internal Final Closure Summary Report Site 6 NFA Request	49 edays	Tue 10/18/05	Tue 12/6/05	1774
1776		Final Closure Summary Report Site 6 NFA Request	0 days	Tue 12/6/05	Tue 12/6/05	
1777		Receipt of Water Board Letter of Non-Concurrence with NFA at Site 6	0 edays	Mon 5/15/06	Mon 5/15/06	
1778		Site 06 Groundwater Monitoring	210 edays	Thu 6/1/06	Thu 12/28/06	
1779		Prepare Revised Site 6 Boundary Paper	215 edays	Fri 6/23/06	Wed 1/24/07	
1780		Agency Review Revised Site 6 Boundary Paper	86 days	Wed 1/24/07	Thu 4/19/07	1779
1781		Evaluate Site 6 Path Forward	60 edays	Thu 4/19/07	Mon 6/18/07	1780
1782		Receive Water Board Concurrence Letter for Closure of USTs at Site 06 (linked to completion of	30 edays	Tue 3/23/10	Thu 4/22/10	2287FS+90 edays

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ID		Task Name	Duration	Start	Finish	Pred
1783		SITE 25	2201 days	Wed 5/28/03	Sat 12/12/09	
1784		OPERATE SVE SYSTEM FOR SITE 25	576 edays	Tue 9/30/03	Thu 4/28/05	
1785		POST-CONSTRUCTION REPORT FOR SITE 25	49 days	Mon 9/1/03	Fri 11/7/03	
1790		GROUNDWATER MONITORING	560 edays	Wed 5/28/03	Wed 12/8/04	
1791		CLOSURE SUMMARY REPORT FOR SITE 25	285 days	Wed 2/16/05	Wed 12/7/05	
1797		Receipt of Water Board Letter of Non-Concurrence with NFA at Site 25	0 edays	Mon 5/15/06	Mon 5/15/06	
1798		Continued Groundwater Monitoring Site 25	607 edays	Mon 4/17/06	Sat 12/15/07	
1799		Remedial Action Confirmation Sampling And Analysis	5 edays	Sun 3/1/09	Fri 3/6/09	
1800		Site 25 Revised Request for NFA Concurrence	220 days	Sun 4/5/09	Wed 11/11/09	
1801		Prepare Internal Draft Site 25 Revised Request for NFA Concurrence	87 edays	Sun 4/5/09	Wed 7/1/09	1799FS+30 edays
1802		Navy Review Internal Draft Site 25 Revised Request for NFA Concurrence	8 edays	Wed 7/1/09	Thu 7/9/09	1801
1803		Prepare Draft Site 25 Revised Request for NFA Concurrence	52 edays	Thu 7/9/09	Sun 8/30/09	1802
1804		Agency Review Draft Site 25 Revised Request for NFA Concurrence	31 edays	Sun 8/30/09	Wed 9/30/09	1803
1805		Prepare Responses to Agency Comments and Internal Final Site 25 Revised Request for NFA	14 edays	Wed 9/30/09	Wed 10/14/09	1804
1806		Navy Review Internal Final Site 25 Revised Request for NFA Concurrence	14 edays	Wed 10/14/09	Wed 10/28/09	1805
1807		Prepare Final Site 25 Revised Request for NFA Concurrence	14 edays	Wed 10/28/09	Wed 11/11/09	1806
1808		Site 25 Closure Receive Water Board Concurrence Letter	31 edays	Wed 11/11/09	Sat 12/12/09	1807

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ID		Task Name	Duration	Start	Finish	Pred
1809		USTs	5124 days	Sun 5/25/03	Tue 12/12/17	
1810		TANKS 204A AND 204B (YBI) REMOVAL	86 days	Sun 5/25/03	Wed 9/24/03	
1819		USTs 237/238 & 204 A-D POST CONSTRUCTION SUMMARY REPORT	130 days	Sun 11/23/03	Mon 5/24/04	
1826		Site USTs 237, 204A-D Closure Received Water Board Concurrence Letter	2226.63 edays	Sun 1/11/04	Mon 2/15/10	1825
1827		USTs 140, 221, & 230 Post Construction Summary Report	87 days	Sun 1/11/04	Tue 5/11/04	
1834		Site USTs 140, 221 & 230 Closure Received Water Board Concurrence Letter	37 edays	Tue 5/11/04	Thu 6/17/04	1833
1835		UST 238 additional investigation pending Caltrans project completion	158 edays	Fri 7/7/17	Tue 12/12/17	

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ID		Task Name	Duration	Start	Finish	Pred
1836		BASEWIDE TASKS	4203 days	Fri 7/7/00	Mon 12/31/12	
1837		POLYCHLORINATED BIPHENYLS (PCBs)	2279 days	Mon 9/1/03	Sat 5/8/10	
1838		PCB Equipment	2279 days	Mon 9/1/03	Sat 5/8/10	
1839		Historical Records Review Results	1 day	Tue 9/2/03	Tue 9/2/03	
1840		Site Survey	31 days	Mon 9/1/03	Tue 10/14/03	
1846		PCB Sampling and Analysis Plan (FOST Area)	109 days	Fri 12/5/03	Thu 5/6/04	
1855		PCB Sampling (FOST Area)	79 days	Fri 4/30/04	Tue 8/17/04	
1864		PCB Summary Report (FOST and FOSET Areas)	1264 days	Mon 5/24/04	Fri 2/1/08	
1882		PCB Sampling and Analysis Plan (FOSET Area)	139 days	Thu 12/29/05	Tue 5/16/06	
1891		PCB Sampling (FOSET Area)	74 days	Tue 5/16/06	Sun 7/30/06	
1900	 	PCB Work Plan	352 days	Tue 12/19/06	Wed 12/5/07	
1909		PCB Field Work	153 days	Mon 12/17/07	Sun 5/18/08	
1912		PCB Field Activity Report (FAR)	247 days	Sat 7/5/08	Mon 3/9/09	
1920	 	PCB Soil Abatement T111/Site 32 Work Plan	313 days	Fri 8/8/08	Wed 6/17/09	
1929		PCB Soil Abatement T111/Site 32 Field Work	120 edays	Wed 6/17/09	Thu 10/15/09	1928
1930		PCB Soil Abatement T111/Site 32 Removal Action Completion Report (RACR)	205 days	Thu 10/15/09	Sat 5/8/10	
1931		Prepare Internal Draft PCB Soil Abatement T111/Site 32 RACR	30 edays	Thu 10/15/09	Sat 11/14/09	1929
1932		Navy Review Internal Draft PCB Soil Abatement T111/Site 32 RACR	35 edays	Sat 11/14/09	Sat 12/19/09	1931
1933		Respond to Navy Comments and prepare Draft PCB Soil Abatement T111/Site 32 RACR	3 edays	Sat 12/19/09	Tue 12/22/09	1932
1934		Agency Review Draft PCB Soil Abatement T111/Site 32 RACR	76 edays	Tue 12/22/09	Mon 3/8/10	1933
1935		Respond to Agency Comments and Prepare Internal Final PCB Soil Abatement T111/Site 32 RACR	33 edays	Mon 3/8/10	Sat 4/10/10	1934
1936		Navy Review Internal Final PCB Soil Abatement T111/Site 32 RACR	14 edays	Sat 4/10/10	Sat 4/24/10	1935
1937		Final PCB Soil Abatement T111/Site 32 RACR	14 edays	Sat 4/24/10	Sat 5/8/10	1936

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ID		Task Name	Duration	Start	Finish	Pred
1938		<i>RESIDENTIAL LEAD-BASED PAINT (LBP)</i>	3131 days	Tue 11/18/03	Thu 11/1/12	
1939		YBI Residential Lead-Based Paint Reevaluation (2004)	134 days	Wed 3/24/04	Mon 9/27/04	
1948		YBI Lead-Based Paint in Soil (2005)	420 days	Tue 11/18/03	Mon 5/30/05	
1969		YBI Residences Lead-Based Paint Reevaluation (2006)	365 days	Tue 11/1/05	Wed 11/1/06	
1979		TI Residences Lead-Based Paint Reevaluation (2008/2009)	468 days	Thu 7/24/08	Wed 11/4/09	
1980		Navy to Award Contract for TI LBP Reevaluation	54 edays	Thu 7/24/08	Tue 9/16/08	
1981		Final TI LBP Reevaluation Work plan	168 edays	Wed 10/8/08	Wed 3/25/09	1980FS+22 edays
1982		Fieldwork for TI LBP Reevaluation	90 edays	Wed 3/25/09	Tue 6/23/09	1981
1983		Lab Analysis and Data Evaluation of TI LBP Reevaluation Data	57 edays	Tue 6/23/09	Wed 8/19/09	1982
1984		Draft TI LBP Reevaluation Summary Report	30 edays	Wed 8/19/09	Fri 9/18/09	1983
1985		Navy review Draft TI LBP Reevaluation Summary Report	14 edays	Fri 9/18/09	Fri 10/2/09	1984
1986		Final TI LBP Reevaluation Summary Report	33 edays	Fri 10/2/09	Wed 11/4/09	1985
1987		TI Residences Lead-Based Paint Reevaluation (2011)	363 days	Fri 11/4/11	Thu 11/1/12	
1988		Navy to Award Contract for TI LBP Reevaluation	60 edays	Fri 11/4/11	Tue 1/3/12	1986FS+730 edays
1989		Final TI LBP Reevaluation Work plan	100 edays	Tue 1/3/12	Thu 4/12/12	1988
1990		Fieldwork for TI LBP Reevaluation	30 edays	Thu 4/12/12	Sat 5/12/12	1989
1991		Lab Analysis and Data Evaluation of TI LBP Reevaluation Data	60 edays	Sat 5/12/12	Wed 7/11/12	1990
1992		Internal Draft TI LBP Reevaluation Summary Report	45 edays	Wed 7/11/12	Sat 8/25/12	1991
1993		Navy review Internal Draft TI LBP Reevaluation Summary Report	14 edays	Sat 8/25/12	Sat 9/8/12	1992
1994		Internal Final TI LBP Reevaluation Summary Report	14 edays	Sat 9/8/12	Sat 9/22/12	1993
1995		Navy review of Internal Final TI LBP Reevaluation Summary Report	7 edays	Sat 9/22/12	Sat 9/29/12	1994
1996		Final TI LBP Reevaluation Summary Report	33 edays	Sat 9/29/12	Thu 11/1/12	1995

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

**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
1997		RADIOLOGICAL PROGRAM	3579 days	Fri 7/7/00	Mon 4/18/11	
1998		Building 233 and Vicinity	2461 days	Sat 4/17/04	Mon 4/18/11	
1999		Bldg 233 Asbestos Abatement and RAD Removal	924 days	Sat 4/17/04	Wed 1/31/07	
2022		Final Status Survey of Building 233	1080 days	Sun 7/18/04	Mon 9/10/07	
2039		Building 233 Demolition Work Plan	74 days	Mon 9/7/09	Fri 11/20/09	
2040		Prepare Draft Building 233 Demolition Work Plan	30 edays	Mon 9/7/09	Wed 10/7/09	
2041		Navy Review Draft Building 233 Demolition Work Plan	30 edays	Wed 10/7/09	Fri 11/6/09	2040
2042		Prepare Final Building 233 Demolition Work Plan	14 edays	Fri 11/6/09	Fri 11/20/09	2041
2043		Building 233 Release Survey	15 edays	Fri 11/20/09	Sat 12/5/09	2042
2044		Building 233 Demolition	30 edays	Sat 12/5/09	Mon 1/4/10	2043
2045		Building 233 Footprint Final Status Survey Work Plan	156 days	Mon 1/4/10	Wed 6/9/10	
2046		Prepare Internal Draft Building 233 Footprint and Vicinity Final Status Survey Work Plan	30 edays	Mon 1/4/10	Wed 2/3/10	2044
2047		Navy Review Internal Draft Building 233 Footprint and Vicinity Final Status Survey Work Plan	30 edays	Wed 2/3/10	Fri 3/5/10	2046
2048		Prepare Draft Building 233 Footprint and Vicinity Final Status Survey Work Plan	7 edays	Fri 3/5/10	Fri 3/12/10	2047
2049		Agency Review Draft Building 233 Footprint and Vicinity Final Status Survey Work Plan	30 edays	Fri 3/12/10	Sun 4/11/10	2048
2050		Prepare Preliminary Responses to Agency Comments on Draft Building 233 Footprint and	21 edays	Sun 4/11/10	Sun 5/2/10	2049
2051		Prepare Internal Final Building 233 Footprint and Vicinity Final Status Survey Work Plan	10 edays	Sun 5/2/10	Wed 5/12/10	2050
2052		Navy Review Internal Final Building 233 Footprint and Vicinity Final Status Survey Work Plan	14 edays	Wed 5/12/10	Wed 5/26/10	2051
2053		Prepare Final Building 233 Footprint and Vicinity Final Status Survey Work Plan	14 edays	Wed 5/26/10	Wed 6/9/10	2052
2054		Building 233 Footprint Final Status Survey	120 edays	Wed 6/9/10	Thu 10/7/10	2053
2055		Building 233 Footprint Final Status Survey Report	193 days	Thu 10/7/10	Mon 4/18/11	
2056		Prepare Internal Draft Building 233 Footprint Final Status Survey Report	60 edays	Thu 10/7/10	Mon 12/6/10	2054
2057		Navy Review Internal Draft Building 233 Footprint Final Status Survey Report	30 edays	Mon 12/6/10	Wed 1/5/11	2056
2058		Prepare Draft Building 233 Footprint Final Status Survey Report	14 edays	Wed 1/5/11	Wed 1/19/11	2057
2059		Agency Review Draft Building 233 Footprint Final Status Survey Report	30 edays	Wed 1/19/11	Fri 2/18/11	2058
2060		Prepare Preliminary Responses to Agency Comments on Draft Building 233 Footprint Final	21 edays	Fri 2/18/11	Fri 3/11/11	2059
2061		Prepare Internal Final Building 233 Footprint Final Status Survey Report	10 edays	Fri 3/11/11	Mon 3/21/11	2060
2062		Navy Review Internal Final Building 233 Footprint Final Status Survey Report	14 edays	Mon 3/21/11	Mon 4/4/11	2061
2063		Prepare Final Building 233 Footprint Final Status Survey Report	14 edays	Mon 4/4/11	Mon 4/18/11	2062
2064		Historical Radiological Assessment	514 days	Sat 7/3/04	Fri 2/10/06	
2077		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	
2087		Further Radiological Investigation Field Activities For Buildings 233, 343, 344	3038.38 edays	Fri 7/7/00	Fri 10/31/08	

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
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ID		Task Name	Duration	Start	Finish	Pred
2088		Summary Report of Further Radiological Investigation For Buildings 233, 343, 344	401 days	Thu 9/27/07	Fri 10/31/08	
2089		Summary Report Further Radiological Investigation or Building 233	391 days	Sat 10/6/07	Fri 10/31/08	
2097		Summary Report Further Radiological Investigation or Building 343	400 days	Thu 9/27/07	Fri 10/31/08	
2105		Summary Report Further Radiological Investigation or Building 344	400 days	Thu 9/27/07	Fri 10/31/08	

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
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ID		Task Name	Duration	Start	Finish	Pred
2113		<i>ASBESTOS -CONTAINING MATERIAL PROGRAM</i>	484 days	Thu 7/24/08	Fri 11/20/09	
2114		Basewide Asbestos Survey and Abatement (2008)	484 days	Thu 7/24/08	Fri 11/20/09	
2115		Navy to Award Contract for Basewide Asbestos Survey and Abatement	54 edays	Thu 7/24/08	Tue 9/16/08	
2116	 	Final Basewide Asbestos Survey and Abatement Work plan	168 edays	Wed 10/8/08	Wed 3/25/09	2115FS+22 edays
2117		Fieldwork for Basewide Asbestos Survey and Abatement	90 edays	Wed 3/25/09	Tue 6/23/09	2116
2118		Lab Analysis and Data Evaluation of Basewide Asbestos Survey and Abatement Data	57 edays	Tue 6/23/09	Wed 8/19/09	2117
2119		Draft Basewide Asbestos Survey and Abatement Summary Report	30 edays	Wed 8/19/09	Fri 9/18/09	2118
2120		Navy review Draft Basewide Asbestos Survey and Abatement Summary Report	30 edays	Fri 9/18/09	Sun 10/18/09	2119
2121		Final Basewide Asbestos Survey and Abatement Summary Report	33 edays	Sun 10/18/09	Fri 11/20/09	2120

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
2122		SITE MANAGEMENT PLAN (2007 ANNUAL UPDATE)	257 days	Sun 4/8/07	Fri 12/21/07	
2133		SITE MANAGEMENT PLAN (2008 ANNUAL UPDATE)	205 days	Tue 5/6/08	Thu 11/27/08	
2144		SITE MANAGEMENT PLAN (2009 ANNUAL UPDATE)	511 days	Tue 5/6/08	Tue 9/29/09	
2145		Prepare Internal Draft Site Management Plan	36 edays	Wed 2/18/09	Thu 3/26/09	
2146		BCT Meeting to Discuss Scoping Site Management Plan	0 edays	Tue 5/6/08	Tue 5/6/08	
2147		Navy Review Internal Draft Site Management Plan	14 edays	Thu 3/26/09	Thu 4/9/09	2145
2148		Incorporate Navy Review Comments for Draft Site Management Plan	7 edays	Thu 4/9/09	Thu 4/16/09	2147
2149		BCT Review Draft Site Management Plan	30 edays	Thu 4/16/09	Sat 5/16/09	2148
2150		Prepare Preliminary RTCs on Draft Site Management Plan	40 edays	Sat 5/16/09	Thu 6/25/09	2149
2151		Prepare Internal Final Site Management Plan	29 edays	Thu 6/25/09	Fri 7/24/09	2150
2152		Navy Review Internal Final Site Management Plan	52 edays	Fri 7/24/09	Mon 9/14/09	2151
2153		Prepare Final Site Management Plan	15 edays	Mon 9/14/09	Tue 9/29/09	2152
2154		COMMUNITY RELATIONS PLAN (2007/2008)	309 days	Thu 7/26/07	Fri 5/30/08	
2165		BCT MEETINGS/MINUTES (MONTHLY)	1819 days	Tue 1/8/08	Mon 12/31/12	
2166		BCT Meetings (Monthly) 2008	331 days	Tue 1/8/08	Wed 12/3/08	
2179		BCT Meetings (Monthly) 2009	329 days	Wed 1/7/09	Wed 12/2/09	
2180		BCT Meeting #1	0 days	Wed 1/7/09	Wed 1/7/09	
2181		BCT Meeting #2	0 days	Wed 2/4/09	Wed 2/4/09	
2182		BCT Meeting #3	0 days	Wed 3/4/09	Wed 3/4/09	
2183		BCT Meeting #4	0 days	Wed 4/1/09	Wed 4/1/09	
2184		BCT Meeting #5 (San Diego)	1 eday	Wed 5/6/09	Thu 5/7/09	
2185		BCT Meeting #6	0 days	Wed 6/3/09	Wed 6/3/09	
2186		BCT Meeting #7	0 days	Wed 7/1/09	Wed 7/1/09	
2187		BCT Meeting #8	0 days	Wed 8/5/09	Wed 8/5/09	
2188		BCT Meeting #9	0 days	Wed 9/2/09	Wed 9/2/09	
2189		BCT Meeting #10	0 days	Wed 10/7/09	Wed 10/7/09	
2190		BCT Meeting #11	0 days	Wed 11/4/09	Wed 11/4/09	
2191		BCT Meeting #12	0 days	Wed 12/2/09	Wed 12/2/09	
2192		BCT Meetings (Monthly) 2010	364 edays	Fri 1/1/10	Fri 12/31/10	
2193		BCT Meetings (Monthly) 2011	364 edays	Sat 1/1/11	Sat 12/31/11	
2194		BCT Meetings (Monthly) 2012	365 edays	Sun 1/1/12	Mon 12/31/12	
2195		RAB MEETINGS/MINUTES (BI-MONTHLY)	1414 days	Tue 2/17/09	Mon 12/31/12	
2196		RAB Meeting #1	1 day	Tue 2/17/09	Tue 2/17/09	

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
2197		RAB Meeting #2	1 day	Tue 4/21/09	Tue 4/21/09	
2198		RAB Meeting #3	1 day	Tue 6/16/09	Tue 6/16/09	
2199		RAB Meeting #4	1 day	Tue 8/18/09	Tue 8/18/09	
2200		RAB Meeting #5	1 day	Tue 10/20/09	Tue 10/20/09	
2201		RAB Meeting #6	1 day	Tue 12/15/09	Tue 12/15/09	
2202		RAB Meetings (Bi-Monthly) 2010	364 edays	Fri 1/1/10	Fri 12/31/10	
2203		RAB Meetings (Bi-Monthly) 2011	364 edays	Sat 1/1/11	Sat 12/31/11	
2204		RAB Meetings (Bi-Monthly) 2012	365 edays	Sun 1/1/12	Mon 12/31/12	
2205		TI TIMES #13 SPRING/SUMMER 2007	130 days	Thu 4/19/07	Mon 8/27/07	
2213		TI TIMES #14 SUMMER 2008	189 days	Fri 1/18/08	Fri 7/25/08	
2221		TI TIMES #15 WINTER 2009	191 days	Sun 11/2/08	Tue 5/12/09	
2229		TI TIMES #16 WINTER 2009	158 days	Thu 7/30/09	Mon 1/4/10	
2230		Prepare Internal Draft TI Times #16	90 edays	Thu 7/30/09	Wed 10/28/09	
2231		Navy Review Internal Draft TI Times #16	14 edays	Wed 10/28/09	Wed 11/11/09	2230
2232		Respond to Navy Comments and Prepare Draft TI Times #16	12 edays	Wed 11/11/09	Mon 11/23/09	2231
2233		BCT Review of Draft TI Times #16	14 edays	Mon 11/23/09	Mon 12/7/09	2232
2234		Respond to BCT Comments and Prepare Internal Final TI Times #16	7 edays	Mon 12/7/09	Mon 12/14/09	2233
2235		Navy Review Internal Final TI Times #16	7 edays	Mon 12/14/09	Mon 12/21/09	2234
2236		Prepare Final TI Times #16	14 edays	Mon 12/21/09	Mon 1/4/10	2235
2237		TI TIMES #17 Spring 2010	107 days	Wed 1/13/10	Fri 4/30/10	
2238	 	Prepare Internal Draft TI Times #17	45 edays	Wed 1/13/10	Sat 2/27/10	
2239		Navy Review Internal Draft TI Times #17	14 edays	Sat 2/27/10	Sat 3/13/10	2238
2240		Respond to Navy Comments and Prepare Draft TI Times #17	10 edays	Sat 3/13/10	Tue 3/23/10	2239
2241		BCT Review of Draft TI Times #17	14 edays	Tue 3/23/10	Tue 4/6/10	2240
2242		Respond to BCT Comments and Prepare Internal Final TI Times #17	10 edays	Tue 4/6/10	Fri 4/16/10	2241
2243		Navy Review Internal Final TI Times #17	7 edays	Fri 4/16/10	Fri 4/23/10	2242
2244		Prepare Final TI Times #17	7 edays	Fri 4/23/10	Fri 4/30/10	2243

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
2245		<i>GROUNDWATER MONITORING</i>	1077 days	Thu 1/11/07	Wed 12/23/09	
2246		2006 Groundwater Status Report Site 12	377 days	Thu 1/11/07	Wed 1/23/08	
2254		2006 Groundwater Status Report Sites 6A and 25	438 days	Sun 2/11/07	Thu 4/24/08	
2262		2007 Groundwater Status Report Site 12	288 days	Mon 3/24/08	Tue 1/6/09	
2270		2007 Groundwater Status Report Sites 6 and 25	289 days	Mon 3/24/08	Wed 1/7/09	
2278		2008 Basewide Groundwater Monitoring Program Sampling and Analysis Plan (SAP)	212 days	Sat 6/14/08	Mon 1/12/09	
2287		2008 Groundwater Status Report Sites 6 and 12	279 days	Thu 3/19/09	Wed 12/23/09	
2288		Prepare Internal Draft Groundwater Status Report Sites 6 and 12	92 edays	Thu 3/19/09	Fri 6/19/09	
2289		Navy Review Internal Draft Groundwater Status Report Sites 6 and 12	27 edays	Fri 6/19/09	Thu 7/16/09	2288
2290		Respond to Navy Comments and Prepare Draft Groundwater Status Report Sites 6 and 12	42 edays	Thu 7/16/09	Thu 8/27/09	2289
2291		BCT Review Draft Groundwater Status Report Sites 6 and 12	32 edays	Thu 8/27/09	Mon 9/28/09	2290
2292		Respond to BCT Comments and Prepare Internal Final Groundwater Status Report Sites 6 and 12	58 edays	Mon 9/28/09	Wed 11/25/09	2291
2293		Navy Review Internal Final Groundwater Status Report Sites 6 and 12	14 edays	Wed 11/25/09	Wed 12/9/09	2292
2294		Prepare Final Groundwater Status Report Sites 6 and 12	14 edays	Wed 12/9/09	Wed 12/23/09	2293

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**NAVAL STATION TREASURE ISLAND ENVIRONMENTAL SCHEDULE
SITE MANAGEMENT PLAN
September 28, 2009**

ID		Task Name	Duration	Start	Finish	Pred
2295		TRANSFER RELATED	2559 days	Mon 9/1/03	Thu 2/10/11	
2296		SEBS/FOST EXECUTION SCHEDULE	1208 days	Mon 9/1/03	Fri 6/1/07	
2440		FINAL SEBS	389 days	Fri 2/27/04	Fri 7/8/05	
2461		TREASURE ISLAND FOST	625 days	Fri 2/27/04	Thu 3/2/06	
2475		YERBA BUENA ISLAND FOST	717 days	Tue 11/18/03	Wed 3/22/06	
2520		FOSET (Estimated Schedule)	396 days	Mon 1/11/10	Thu 2/10/11	
2521		<i>Navy to award contract for FOSET</i>	<i>60 edays</i>	<i>Mon 1/11/10</i>	<i>Fri 3/12/10</i>	
2522		<i>Agency Working Meeting to Define FOSET Footprint</i>	<i>1 day</i>	<i>Sun 4/11/10</i>	<i>Sun 4/11/10</i>	<i>2521FS+30 days</i>
2523		<i>Prepare Internal Draft FOSET</i>	<i>90 edays</i>	<i>Sun 4/11/10</i>	<i>Sat 7/10/10</i>	<i>2522</i>
2524		<i>Navy Review of Internal Draft FOSET</i>	<i>30 edays</i>	<i>Sun 7/11/10</i>	<i>Tue 8/10/10</i>	<i>2523FS+1 day</i>
2525		<i>Incorporate Navy RPM comments</i>	<i>14 edays</i>	<i>Tue 8/10/10</i>	<i>Tue 8/24/10</i>	<i>2524</i>
2526		<i>Legal Review of Internal Draft FOSET</i>	<i>30 edays</i>	<i>Tue 8/24/10</i>	<i>Thu 9/23/10</i>	<i>2525</i>
2527		<i>Incorporate Navy Comments/Prepare Draft FOSET</i>	<i>14 edays</i>	<i>Thu 9/23/10</i>	<i>Thu 10/7/10</i>	<i>2526</i>
2528		<i>Agency/Public Review of Draft FOSET</i>	<i>30 edays</i>	<i>Thu 10/7/10</i>	<i>Sat 11/6/10</i>	<i>2527</i>
2529		<i>Prepare Preliminary RTCs for Draft FOSET</i>	<i>28 edays</i>	<i>Sat 11/6/10</i>	<i>Sat 12/4/10</i>	<i>2528</i>
2530		<i>BCT Review of Preliminary RTCs on Draft FOSET</i>	<i>14 edays</i>	<i>Sat 12/4/10</i>	<i>Sat 12/18/10</i>	<i>2529</i>
2531		<i>BCT Meeting to Discuss Preliminary RTCs on Draft FOSET</i>	<i>1 day</i>	<i>Sat 12/18/10</i>	<i>Sat 12/18/10</i>	<i>2530</i>
2532		<i>Incorporate comments from BCT on review of Draft RTCs and prepare Internal Final FOSET</i>	<i>14 edays</i>	<i>Sat 12/18/10</i>	<i>Sat 1/1/11</i>	<i>2531</i>
2533		<i>Navy Review of Final FOSET</i>	<i>10 edays</i>	<i>Sat 1/1/11</i>	<i>Tue 1/11/11</i>	<i>2532</i>
2534		<i>Sign/Distribute Final FOSET</i>	<i>30 edays</i>	<i>Tue 1/11/11</i>	<i>Thu 2/10/11</i>	<i>2533</i>

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APPENDIX C
RESOLUTION OF COMMENTS FROM BCT AT MAY 2009 MEETING

Item #	Status	Lead	Comment/Inquiry
Summary Information Section			
1	✓	Tt	Include in Section 1, information about history of IR Sites and language from the TI Environmental Program Summary Fact Sheet that describes the designation of the 33 sites.
2	✓	Tt	Table 3: Define "N/A" with additional notes and more detailed information.
3	✓		Table 3: Add note to indicate what bold text represents, for example, the site is active.
4	✓	Tt	Figure 1: Include a note stating "See Figures 6 and 7 for individual tank location identification."
5	✓	Tt	Figure 2: Update IR Sites strategy as discussed. Site 8: Add RD/RA activity box. Site 11: Update RI status to indicate current activity (diamond shape), and add the word "interim". Site 12: Remove the Halyburton Court EE/CA/AM item; update the removal action activity to focus on Bigelow Court. Site 27: Add RD/RA activity box. Site 28: Delete the FS activity box. Site 30: Add RD/RA activity box. Site 33: Update RI status to indicate current activity (diamond shape).
6	✓	Tt	Figure 4: Update legend remove "Milestone Completion" symbol.
7	✓	Tt	Figure 8: Add a note regarding upcoming PCB removal action at Site 32.
8	✓	Tt	Figure 8: Transformer in T111 should be "blue"
9	✓	Tt	Figure 9: Clarify the restrictive boundaries are for Petroleum Program sites, add Site 30 boundaries and add note regarding planned IC's.
Appendix A			
10	✓	Tt	Appendix A: Compliance Programs, Groundwater Monitoring Program; add introduction to groundwater program, including some history.
Appendix B			
11	✓	Tt	Appendix B: Basewide schedules: review format, determine if there is an alternate printing method (i.e. without Gantt chart bars) and possibly color/italics to indicate "planned" or "proposed" items.

Notes:

✓ Comment/inquiry has been completed and/or fulfilled by incorporation into the Final 2009 SMP.

EE/CA/AM Engineering evaluation/cost analysis/action memo

FS Feasibility Study

I Remedial Investigation

IC Institutional control

IR Installation Restoration

N/A Not applicable

PCB Polychlorinated biphenyl

RD/RA Remedial Design/ Remedial Action

TI Treasure Island

Tt Tetra Tech EM Inc.