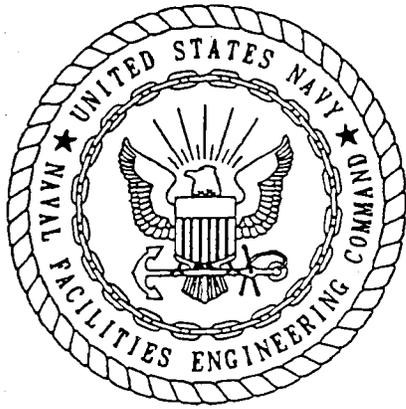


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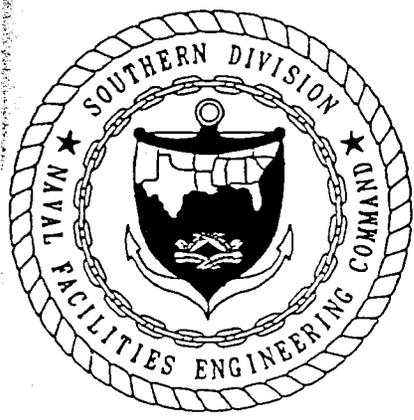
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SITE MANAGEMENT PLAN

**NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA**

SEPTEMBER 1994



**SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORTH CHARLESTON, SOUTH CAROLINA
29419-9010**

NAVAL AIR STATION CECIL FIELD

JACKSONVILLE, FLORIDA

SITE MANAGEMENT PLAN

22 September 1994

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SITE MANAGEMENT PLAN SCHEDULE RATIONALE

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**SITE MANAGEMENT PLAN
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
FY 1995**

I. INTRODUCTION

The Site Management Plan (SMP) is prepared in accordance with the requirements of the Federal Facility Agreement (FFA) between the United States Environmental Protection Agency (USEPA), Florida Department of Environmental Protection (FDEP), and the United States Navy. The FFA is an interagency agreement which is a requirement of Section 120 (e)(1) of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Each year or as agreed to by the FFA parties the SMP is to be amended to reflect current information on progress made and planned future activities. The intent of the SMP is to provide:

- the site management strategy
- a list of known sites (and operable units [OUs], as appropriate);
- a prioritization rationale for known sites and operable units;
- a schedule of work proposed for the fiscal year; and
- a projected schedule for sites and operable units beyond the current fiscal year.

The SMP for Naval Air Station (NAS) Cecil Field is being amended for fiscal year (FY) 1995 to incorporate changes in scope, schedule and funding for completing investigations of past waste disposal practices under the Installation Restoration (IR) Program.

II. SITE MANAGEMENT STRATEGY

The Department of Defense IR Program for NAS Cecil Field allows for prioritization of sites according to potential threat to human health and the environment. The SMP provides a schedule of IRP activities and is intended to be a dynamic document. The SMP will be amended as may be warranted and mutually agreed to by the Navy, USEPA, and FDEP. The principles upon which the SMP is prepared include the utilization of resources, the flexibility to meet changing and unforeseen conditions, and the ability to focus on site clean-up in a scientific and expeditious manner. These principles provide the basis of expedited remedial response at NAS Cecil Field. Additional guidance and promulgation by the USEPA and FDEP were also used in preparing the SMP and will be used for implementation. In an effort to promote mutual understanding of the roles and relationships between the FFA parties (Navy, USEPA and FDEP), meetings will take place to discuss revisions to the language and provisions of the NAS Cecil Field FFA for the purpose of eliminating apparent errors, inconsistencies and/or omissions; and, to address remedial activity implementation, lead agency authority, program management, and funding.

The IR investigations will be conducted following guidance presented in the Navy/Marine Corps Installation Restoration Manual (February 1992). Additional guidance as defined in the USEPA Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA (1988) and the National Oil and Hazardous Substance Contingency Plan (March 1990) will be followed for project deliverables.

The long-term goal is to complete investigation and remediation of all sites at NAS Cecil Field. To the extent practicable, Base Realignment and Closure (BRAC) issues will be considered during the cleanup process. The Navy has initiated preparation of a BRAC Cleanup Plan that details ways to accelerate cleanup at IR, Underground Storage Tank (UST), Resource Conservation and Recovery Act/Hazardous and Solid Waste Amendments (RCRA/HSWA), asbestos, and other sites. The BRAC Cleanup Plan (BCP) discusses and identifies the BRAC Cleanup Team (BCT), their role in the cleanup process, and presents strategies to fast track the investigation and cleanup processes. The BCT has been developed to address the multitude of issues surrounding base closure and to enhance environmental decision making at BRAC installations where property will be available for transfer to the community. This team approach is intended to foster partnering, accelerate the cleanup process, and expedite timely, cost-effective, and environmentally responsible disposal and reuse decisions.

The BCT is developing a prioritization plan for site clean-up at NAS Cecil Field by assessing candidate sites by base reuse, waste characteristics, potential migration pathways, and potential receptors (human and ecological). The Navy intends to work with the FFA parties based on a continual review process to coordinate prioritization of sites at NAS Cecil Field.

III. POTENTIAL SOURCES OF CONTAMINATION (PSCs)

Potential source of contamination (PSCs) or sites at NAS Cecil Field are briefly described in Table 1. The total number of IR sites at this time is 19. PSC 13 (Day Tank) was transferred to the UST program prior to execution of work under the 1991 SMP. PSCs may be added and/or deleted in the future as a result of site assessments and BRAC surveys. Several other areas (including PSCs 20 to 35) have been identified at NAS Cecil Field. At the conclusion of the BRAC Phase II survey, the FFA parties will decide whether further investigation or actions will be required at these areas under CERCLA/RCRA.

Table 1 also presents the current investigative status for each PSC and will be updated and submitted with the quarterly progress report on IR Program activities at NAS Cecil Field.

**NAS Cecil Field
Site Description Chart**

Revised: 19 September 1994

Site No.	Operable Unit	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity	Previous Reports
1	OU 1	Old Landfill (9 acres)	1950s-1965	Solid waste, oils, fuels, paints, paint stripper, solvents, municipal solid waste	Municipal solid waste, industrial operations	Trench and fill landfill for commercial and residential wastes (solid and liquid).	1,2,15,16 19,20,35,36, 37,42
	Current Investigative Status: Remedial investigation completed. Draft RI/BRA/FS reports submitted 28-29 March 1994. Responses to agency review comments are being prepared. The final documents are due in December 1994.						
2	OU 1	Recent Landfill (5 acres)	1965-1975	Solid waste, oils, fuels, paints, paint stripper, solvents	Industrial operations and shops	Trench and fill landfill for commercial and residential wastes (solid and liquid).	1,2,15,16 19,20, 35,36, 37,42
	Current Investigative Status: Remedial investigation complete. Draft RI/BRA/FS draft reports submitted 28-29 March 1994. Responses to agency review comments are being prepared. The final documents are due in December 1994.						
3	OU 8	Oil/Sludge Disposal Pit (50-100 ft in dia. and 3-5 ft deep)	1950s-1975	Waste fuels, oils, paints, paint strippers, solvents	Fuel farm, AIMD, squadrons, public works shops	At least four shallow pits were used to dispose of liquid wastes and sludge. Extent of contamination is much larger than originally anticipated.	2,15,19,27,4 2
	Current Investigative Status: Surface water/sediment samples collected, screening of subsurface soil and groundwater completed, screening of subsurface soil and groundwater of additional contaminated areas completed, screening of surface soil completed. Evaluation of groundwater screening data in progress, eighteen monitoring wells have been installed, well locations to be finalized in February 1994. Site related contaminants in groundwater have been traced to Rowell Creek. Soil samples submitted to ABB-ES Wakefield Office for biological treatability study. Treatability Study Workplan completed. The RI field program completed. Initiate preparation of RI/BRA/FS reports.						
4	—	Grease Pits (9 acres)	1950s-1983	Waste oils, mess greases	Installation dining facilities and facility oil/water separators	Multiple shallow pits excavated to dispose of liquid wastes (grease from dining facilities and waste oils from oil/water separators) and then covered with fill. Drums seen floating in pit; source of drums unknown. Extent of contamination maybe larger than anticipated (22 acres).	2,8,15,16 19,31,42
	Current Investigative Status: Passive soil gas survey completed (final report available). Screening activities scheduled include groundwater sampling with the TerraProbe for volatile organics. Treatability Study Workplan completed. Additional field screening activities currently scheduled for FY 1995.						

Site No.	Operable Unit	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity	Previous Reports
5	OU 2	Oil Disposal Area Northwest (100 ft in dia.)	1950s	Oil, fuel	Fuel farms	Shallow, unlined pit where liquid wastes were disposed (petroleum products present)	2,15,16,19, 27,28,32,42
	<p>Current Investigative Status: Screening of subsurface soil and groundwater completed. Confirmation sampling of groundwater and subsurface soil completed. RI field program completed in 2nd quarter FY 1994. Delineation free product has been completed, sample of free product has been submitted to ABB-ES Wakefield Office for fingerprinting (Jet A, JP-8, or kerosene), the City of Jacksonville has detected PCBs in the free product (28 mg/l). Final Focused Feasibility Study report and the final Proposed Plan submitted in August 1994. The draft IROD submitted to the agencies for review on August 29, 1994. The final IROD is scheduled to be submitted in FY 1994. The Remedial Action Contractor (RAC) is currently finalizing the workplan for implementation of the IRA.</p>						
6	-	Lake Fretwell Rubble Disposal Area (3.5 acres)	1950s-1984	Inert rubble	Concrete/asphalt from demolition of runway, construction debris, lumber, scrap metal, cut foliage	Rubble disposed along banks of a low-lying marsh area by public works; some of the rubble has been overlain with soil and sod; additional rubble is uncovered	2,21,42
	<p>Current Investigative Status: Six surface soil samples collected for onsite 8010 and 8020 analyses. Letter report submitted to Navy on May 21, 1993.</p>						
7	OU 3	Old Fire Fighting Training Area (1/3 acre)	1950s-1975	Waste fuels, oil, solvents, paint, paint strippers	Fuel farm, AIMD, squadrons, public works shops	Burnable liquid wastes were poured onto metal objects (jets) in shallow, unlined pits and ignited for fire fighting training	2,12,25,42
	<p>Current Investigative Status: Field screening initiated in April 1994. Draft RI/FS workplan submitted to regulatory agencies on May 17, 1994. The workplan will be finalized in October 1994. Preliminary groundwater and surface soil screening completed.</p>						
8	OU 3	Boresite Range/Hazardous Waste Storage Area/Fire Fighting Training (6 acres)	1975-1984	Waste fuels, oil, solvents, paint, paint strippers, lead	Fuel farm, AIMD, squadrons, public works shops	Burnable liquid wastes were poured onto metal objects (jets) in shallow, unlined pits and ignited for fire fighting training. Boresite range was used for machine gun and small arms practice. 55-gallon drums of waste were stored at the site and were used as targets for practice.	2,12,25,42
	<p>Current Investigative Status: Field screening initiated in June 1994. Groundwater and surface soil screening program ongoing. Draft RI/FS workplan submitted to regulatory agencies on May 17, 1994. The workplan will be finalized in October 1994.</p>						
9	-	Recent Grease Pits (0.5 acre)	1983-1984	Grease mixed with water	Installation messes	Three shallow pits were used to dispose of kitchen grease; pits were used until full and then a new pit was excavated	2,42
	<p>Current Investigative Status: No field activities in progress.</p>						

Site No.	Operable Unit	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity	Previous Reports
10	OU 4	Rubble Disposal Area (6.5 acres)	1950s-1960s	Inert Rubble	Building demolition debris, runway debris	Surface disposal area with debris (demolition, roadway, metal); information is limited	2,12,25,42
	Current Investigative Status: Draft RI/FS workplan submitted to regulatory agencies on May 17, 1994. The workplan will be finalized in October 1994.						
11	OU 6	Golf Course Pesticide Disposal Area	1970s-1978	Pesticides, fungicides, and herbicide containers, vehicles, metal debris	Golf course maintenance area	Reported, between 200 and 400 empty 5-gallon cans containing pesticides were buried at the site; a limited number of full containers of pesticides were buried in 1978.	2,12,25,26,30,34,42
	Current Investigative Status: IRA in progress. Focused Feasibility Study for source control submitted. Proposed plan and public comment period completed. 100% design submitted to Navy, and final design to be submitted in April 1994. Public meeting held on March 8, 1994. Final IROD submitted to the regulatory agencies in August 1994. The removal actions planned for first quarter FY 1995. Approximately 2 acres of the historical site has been cleared and a geophysical survey of the cleared area has been completed. Test pitting located the presence of 41 pesticide containers. Full and partially full containers were sampled and placed in overpack drums. Two soil samples were collected for analysis. Sample of contents of two drums submitted for offsite analyses for organophosphorus pesticides, TCL Pesticides/PCBs, and Herbicides (final report available). Draft RI/FS workplan submitted to regulatory agencies on May 17, 1994. The workplan will be finalized in October 1994.						
12	--	Public Works Rubble Disposal Area (0.5 acre)	1970s-1984	Inert rubble, lumber, concrete, wire, cable, scrap metal, drums	Public works	Majority of rubble has been buried approximately 3 feet bls, some rubble is above ground.	2,42
	Current Investigative Status: No field activities in progress.						
13	--	Day Tank 1-Fuel Spill (1.5 acres)	1981	JP-5 fuel	Day tank	Location of fuel spill in 1981; approximately 500,000 gallon of JP-5 fuel was spilled; approximately 250,000 gallons was recovered. A decision was made in 1987 to allow the fuel to naturally biodegrade.	2,42
	Current Investigative Status: Transferred to the UST program for assessment. The contamination assessment was completed in 1993 and a Contamination Assessment Report (CAR) addendum was submitted to FDEP in December 1993. Upon approval of the CAR, a Remedial Action Plan (RAP) was submitted to FDEP on May 24, 1994.						

Site No.	Operable Unit	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity	Previous Reports
14	OU 5	Blue 5 Ordnance Disposal Area (4.5 acres)	1967-1977	Fuses, 100-pound bombs, large munitions, lulu fuses, other explosive materials	Installation ordnance disposal operations	Ordnance disposal by open detonation or burning	2,12,25,42
15	OU 5	Blue 10 Ordnance Disposal Area (10 acres)	1960s-1977	Small arms, parachute/distress flares, Mark IV signal cartridges, rocket ignitors, CADS, 5- and 2.75-inch rockets	Installation ordnance disposal operations	Ordnance disposal by combustion in a chamber with ashes being spread over the site.	2,12,25,42
16	OU 7	AIMD Seepage Pit (40x3x10 ft)	1960-1980	Solvents, heavy metals, acids, blasting grit, paint residue, photo wastes	Building 313, jet engine maintenance shop	Seepage pit used to drain wastewater (containing solvents, paint, grease, metals) generated from Building 313 operations into area soils; RCRA holding tank for wastewater is also located at Site 16; glass bead separator and associated piping also present.	2,15,16,19,23,24,29,38,40,41, 42.
Focused Feasibility Study and Remedial Design completed. Proposed Plan completed, public comment period completed. Final responsiveness summary and IROD submitted in March 1994. The removal and closure of the NDI Holding Tank was completed in May 1994. The draft NDI Holding Tank Closure Certification and Report was submitted to the Navy on June 10, 1994.							

Table 1 (continued)

Site No.	Operable Unit	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity	Previous Reports
17	OU 2	Oil/Sludge Disposal Pit Southwest (2 acres)	Late 1960s - early 1970s	Waste fuels/oils	Fuel farm	Unlined shallow disposal pit	2,15,16,19,27,33,39,42
Current Investigative Status: Screening of subsurface soil and groundwater has been completed, chlorinated solvents and hydrocarbons have been identified in site soils and groundwater. Confirmation groundwater and subsurface soil sampling programs have been completed. Surface soil sampling plan approved. Treatability Study Workplan completed. The final Focused Feasibility Study (FFS) report, final Proposed Plan, and draft IROD submitted to regulatory agencies in August 1994. Initiate preparation of draft RI/FS/BRA reports.							
18	--	Ammunition Disposal Area (0.1 acre)	1950s	Ammunition crates, miscellaneous ordnance	Magazine area	Waste material from a nearby magazine area were trucked in and dumped over the site during the 1940s until 1950. Reportedly, all munitions were removed. As of 7/93, live munitions were still present at site according to EOD personnel.	2,5,42
Current Investigative Status: Surface water/sediment sampling completed.							
19	--	Rowell Creek Rubble Disposal Area (3 acres)	Section until 1991	Concrete, construction debris, asphalt, wood debris, trash	Construction and operations	Limited information on disposal practices	5,8,42
Current Investigative Status: Surface water/sediment sampling completed.							
20	--	Hazardous Waste Storage Facility	1981-1985	Hazardous waste drums	Facility	Concrete pad used to store drums. Pad full of cracks. No documented spills. Investigate under and around pad.	42
Current Investigative Status: No field activities in progress.							
21	--	Golf Course Maintenance Area, near Building 238		Pesticides	Golf Course Maintenance Department	Trucks and spray equipment for the distribution of pesticides on the golf course were rinsed on a concrete pad. Wash water was allowed to drain into the Golf Course Tributary to Rowell Creek.	22,42
Current Investigative Status: Seven surface soil samples have been collected (1992) - analyses indicate the presence of inorganics, several SVOCs and PAHs, and pesticides; three sediment samples were collected (1992) - analyses indicate the presence of inorganics, several SVOCs and PAHs, and pesticides. Sediments were sampled (1993) to support the evaluation of inputs to Rowell Creek drainage.							

Site No.	Operable Unit	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity	Previous Reports
22	--	Golf Course Fairway 7 Area		pesticides, solid waste	Golf Course Maintenance Department, other unknown sources	Debris such as 30 and 55 gallon drums, scrap metal, concrete rubble, tin cans, etc. is visible on the surface	22,42
	Current Investigative Status: Three surface soil samples (collected with a hand auger) have been collected -- analyses indicate the presence of inorganics, benzoic acid, and pesticides (alpha-chlordane [390J ug/kg] and gamma-chlordane [380J ug/kg]); three sediment samples were collected -- analyses indicate the presence of inorganics and benzoic acid. (evaluation and prioritization proposed)						
23	--	AVORD Site					42
	Current Investigative Status: No field activities in progress.						
24	--	AVORD Pistol Range Site				Partially full hazardous waste drums found and removed. Contact Frank Sigona at NAS Jacksonville.	42
	Current Investigative Status: No field activities in progress.						
25	--	Building 81 Transformer Storage Yard		PCBs oils		Several hundred transformers are currently stored on the ground surface at this site. Some 55 gallon drums labeled "PCB solids" are present.	42
	Current Investigative Status: No field activities in progress.						
26	--	Building 81 DDT Site		DDT, pesticides	Building 81 operations	Building 81 is a pesticide storage building. Very little DDT mixing done at site.	42
	Current Investigative Status: No field activities in progress.						
27	--	Building 81 HAZMAT Shed				Site consists of a concrete pad with a roof constructed to prevent rain runoff.	42
	Current Investigative Status: No field activities in progress.						
28	--	North TCP Site					42
	Current Investigative Status: No field activities in progress.						
29	--	Building 313 TCP Site					42
	Current Investigative Status: No field activities in progress.						

Site No.	Operable Unit	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity	Previous Reports
30	--	Building 313 (East by Power Plant)				Stressed vegetation found, suspect solvent dumping over fence and behind buildings and lockers.	42
	Current Investigative Status: No field activities in progress.						
31	--	South TCP Site				Temporary collection point at west end of east/west flightline.	42
	Current Investigative Status: No field activities in progress.						
32	--	Supply Building 335 HAZMAT Storage Area				Used for new material storage. Part grassy area, part asphalt. Found empty solvent drums.	42
	Current Investigative Status: No field activities in progress.						
33	--	DRMO Storage Area					42
	Current Investigative Status: No field activities in progress.						
34	--	Rowell Creek Ordnance Disposal Area				Suspect ordnance thrown off each side of Perimeter Road bridge between Sites 1 and 10.	42
	Current Investigative Status: No field activities in progress.						
35	--	PCBs on Perimeter Road				Contact Dave Kohler.	42
	Current Investigative Status: No field activities in progress.						
36	--	Oven north of Yellow Water housing area				Suspect oven used to incinerate material.	42
	Current Investigative Status: No field activities in progress.						

Site No.	Operable Unit	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity	Previous Reports
Notes: -- = not currently identified as an operable unit							
1)						Hydrogeologic Assessment, G&M, 1983	
2)						IAS, Envirodync Engineers/NEESA, July 1985	
3)						NAS Cecil Field Stormwater Master Plan, Southern Division, August 1986	
4)						Sampling of Potable Water Wells, G&M, 1986	
5)						RCRA Facility Investigation, Harding and Lawson, March 1988	
6)						Federal Facility Agreement, no date	
7)						NAS Cecil Field Master Plan, Southern Division, August 1989	
8)						PSC Screening Work Plan, ABB-ES, February 1991	
9)						Community Relations Plan, ABB-ES, July 1991	
10)						Work Plan for OUs 1,2, and 7, ABB-ES, September 1991	
11)						Aquatic Sampling Report, ECT, February 1992	
12)						Work Plan for OUs 1,2, and 7, ABB-ES, February 1992	
13)						RI/FS Data Validation Report, no date included	
14)						Preliminary Risk Assessment OUs 1, 2, 7, ABB-ES, May 1992	
15)						TM for Supplemental Sampling OUs 1, 2, 7, ABB-ES, September 1992	
16)						Human Health RA Methodology TM OUs 1, 2, 7, ABB-ES, September 1992	
17)						Site Management Plan, ABB-ES, October 1992	
18)						ARARs Handbook, ABB-ES, October 1992	
19)						Ecological RA Methodology TM OUs 1, 2, 7, ABB-ES, December 1992	
20)						Alternative Screening Report for OU 1, ABB-ES, February 1993	
21)						Letter Report to Cliff Casey, ABB-ES, May 1993 (Site 6)	
22)						Letter Report to Cliff Casey, ABB-ES, (Sites 21 and 22 - date not available)	
23)						Focused Feasibility Study for Source Control at OU 7, ABB-ES, August 1993	
24)						Remedial Design for Source Control at OU 7, ABB-ES, August 1993	
25)						Draft RI/FS Work Plan for OUs 3,4,5,6, ABB-ES, May 1994	
26)						Focused Feasibility Study for Source Control at Site 11, OU 6, ABB-ES, October 1993	
27)						Treatability Study Workplan, Operable Unit 2, Sites 3, 5, 17 (includes Site 4), ABB-ES, December 1993	
28)						Letter from City of Jacksonville, Site 5 free product analyses, Jerry Young, October 1993	
29)						Final Design, Site 16, Interim Remedial Action, ABB-ES, November 1993	
30)						Final Design, Site 11, Interim Remedial Action, ABB-ES, April 1994	
31)						Petrex Soil Gas Survey, NAS Cecil Field, Site 4, Northeast Research Institute, Inc., June 1993	
32)						Draft Focused Feasibility Study Report, OU 2, Site 5, ABB-ES, April 1994	
33)						Final Focused Feasibility Study Report, OU 2, Site 17, ABB-ES, June 1994	
34)						Final Draft Interim Record of Decision, OU 6, Site 11, ABB-ES, May 1994	
35)						Draft Remedial Investigation Report, OU 1, Sites 1 and 2, ABB-ES, March 1994	
36)						Draft Baseline Risk Assessment Report, OU 1, Sites 1 and 2, ABB-ES, March 1994	
37)						Draft Feasibility Study Report, OU 1, Sites 1 and 2, ABB-ES, March 1994	
38)						Draft NDI Holding Tank Closure Certification and Report, OU 7, Site 16, ABB-ES, June 1994	
39)						Draft Proposed Plan, OU 2, Site 17, ABB-ES, June 1994	
40)						Final IROD and Responsiveness Summary, OU 7, Site 16, ABB-ES, March 1994	
41)						Technical Memorandum, Selection of Monitoring Well Locations, OU 7, Site 16, ABB-ES, April 1994	
42)						Draft Environmental Baseline Survey, ABB-ES, June 1994	

IV. OPERABLE UNITS

Operable units (OUs) are used to define investigative sets of PSCs at NAS Cecil Field based on the types of waste disposed, the suspected contaminants of concern, and/or geographic proximity. By defining OUs, PSCs can be investigated concurrently within an operable unit to meet similar remedial action objectives. Table 2 identifies eight OUs and related PSCs along with the rationale for the PSC grouping for each of the operable units.

V. INSTALLATION RESTORATION PROGRAM GOALS

The goal of the IR Program is to assess and remediate, if necessary, all PSCs identified to date in this program. The Navy will expedite investigations and the preparation of decision documents for PSCs that can reach early remedial action decisions by the FFA parties. The accelerated cleanup process may include Focused Feasibility Studies, Interim Records of Decisions (IRODs), and Interim Remedial Actions (IRAs) to achieve cleanups (i.e., drum removal, and source cleanups associated with remedial actions) prior to the NAS Cecil Field base closure.

The FY 1995 goals for NAS Cecil Field are:

- Draft RI/FS reports for Operable Units 2, 7, and 8
- Final RI/FS reports for Operable Unit 1, 2, 7, and 8
- Records of Decision (RODs) for OU 1 and 2
- IRAs for Sites 5, 11, and 17
- Final RI/FS Work Plan for Operable Units 3, 4, 5, and 6
- Investigation plans for other PSCs identified in the FFA
- RI Field Work for Operable Units 3, 4, 5, and 6
- BRAC Phase II survey for up to 100 new areas identified during the Environmental Baseline Survey (EBS)
- EBS for OLF Whitehouse and RADAR Station Palatka (non-contiguous properties).

VI. SCHEDULE

Attachment A contains the rationale for the schedule presented in the SMP (Figure 1). The SMP schedule presents primary and secondary program deliverables. For primary deliverable submittals, review periods to final report issuance are as follows:

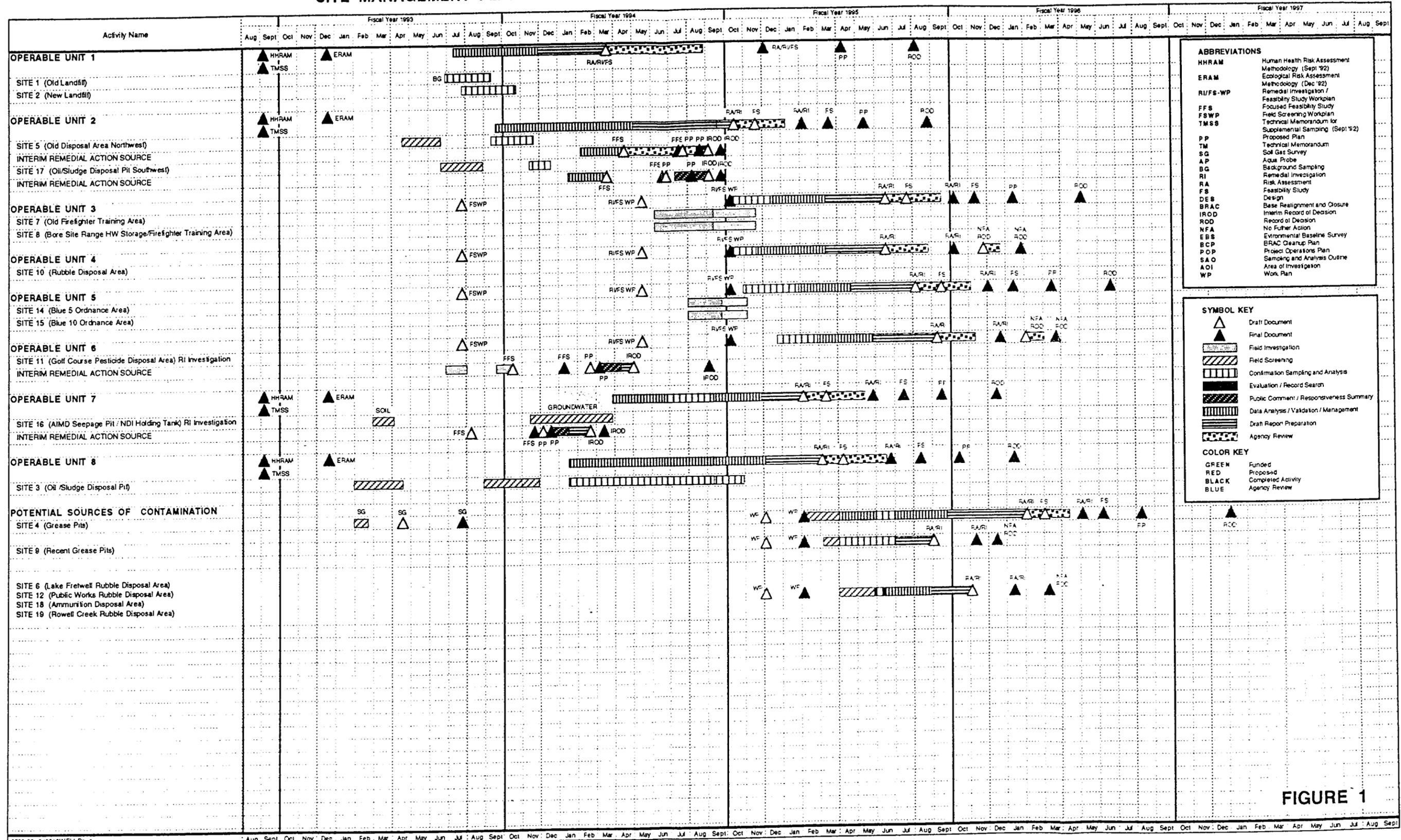
- USEPA and FDEP review - 45 days
- Navy response to comments - 30 days
- Navy to finalize document - 30 days
- Public comment period - 30 days

For the SMP, submittal dates (MM/YY) to the FFA parties for primary deliverables are presented in Figure 1. Figure 1 presents past activities and proposed IR Program activities for FY 1995. Figure 2 presents the schedule for the underground storage tank and Base Realignment and Closure programs being conducted at NAS Cecil Field. This figure has been included in the SMP to present the overall cleanup plan and schedule for NAS Cecil Field.

**Table 2
NAS Cecil Field
Operable Units**

OPERABLE UNIT	PSC/SITE	OPERABLE UNIT RATIONALE
OU 1	<p align="center"><u>LANDFILLS</u></p> PSC 1 - Old Landfill PSC 2 - Recent Landfill	Geographic proximity Waste volume and type Source for groundwater contamination
OU 2	<p align="center"><u>OIL/SLUDGE DISPOSAL AREAS</u></p> PSC 5 - Oil Disposal Area Northwest PSC 17 - Oil/Sludge Disposal Pit Southwest	Geographic proximity Waste volume and type Source for groundwater contamination
OU 3	<p align="center"><u>FIRE TRAINING AREAS</u></p> PSC 7 - Old Fire Fighting Training Area PSC 8 - Boresite Range Fire Fighting Training Area	Waste type
OU 4	<p align="center"><u>RUBBLE DISPOSAL AREAS</u></p> PSC 10 - Rubble Disposal Area	Waste type
OU 5	<p align="center"><u>ORDNANCE DISPOSAL AREAS</u></p> PSC 14 - Blue 5 Ordnance Disposal Area PSC 15 - Blue 10 Ordnance Disposal Area	Waste type Restricted area location
OU 6	<p align="center"><u>PESTICIDE DISPOSAL AREAS</u></p> PSC 11 - Golf Course Pesticide Disposal Area	Waste type
OU 7	<p align="center"><u>AIMD SEEPAGE PIT</u></p> PSC 16 - AIMD Seepage Pit	Proximity to RCRA unit scheduled for removal
OU 8	<p align="center"><u>OIL/SLUDGE DISPOSAL AREA</u></p> PSC 3 - Old Sludge Disposal Area	Significant new findings showing actual extent of site contamination is much larger. Moved out of OU 2 to prevent negative impact on schedule.

SITE MANAGEMENT PLAN - NAS CECIL FIELD - STATUS DATE: SEPTEMBER 19, 1994



ABBREVIATIONS

HRRAM	Human Health Risk Assessment Methodology (Sept '92)
ERAM	Ecological Risk Assessment Methodology (Dec '92)
RI/FS-WP	Remedial Investigation / Feasibility Study Workplan
FFS	Field Screening Workplan
FSWP	Field Screening Workplan
TMSS	Technical Memorandum for Supplemental Sampling (Sept '92)
PP	Proposed Plan
TM	Technical Memorandum
SG	Soil Gas Survey
AP	Aqua Probe
BG	Background Sampling
RI	Remedial Investigation
RA	Risk Assessment
FS	Feasibility Study
DES	Design
BRAC	Base Realignment and Closure
IROD	Interim Record of Decision
ROD	Record of Decision
NFA	No Further Action
EBS	Environmental Baseline Survey
BCP	BRAC Cleanup Plan
POP	Project Operations Plan
SAO	Sampling and Analysis Outline
AOI	Area of Investigation
WP	Work Plan

SYMBOL KEY

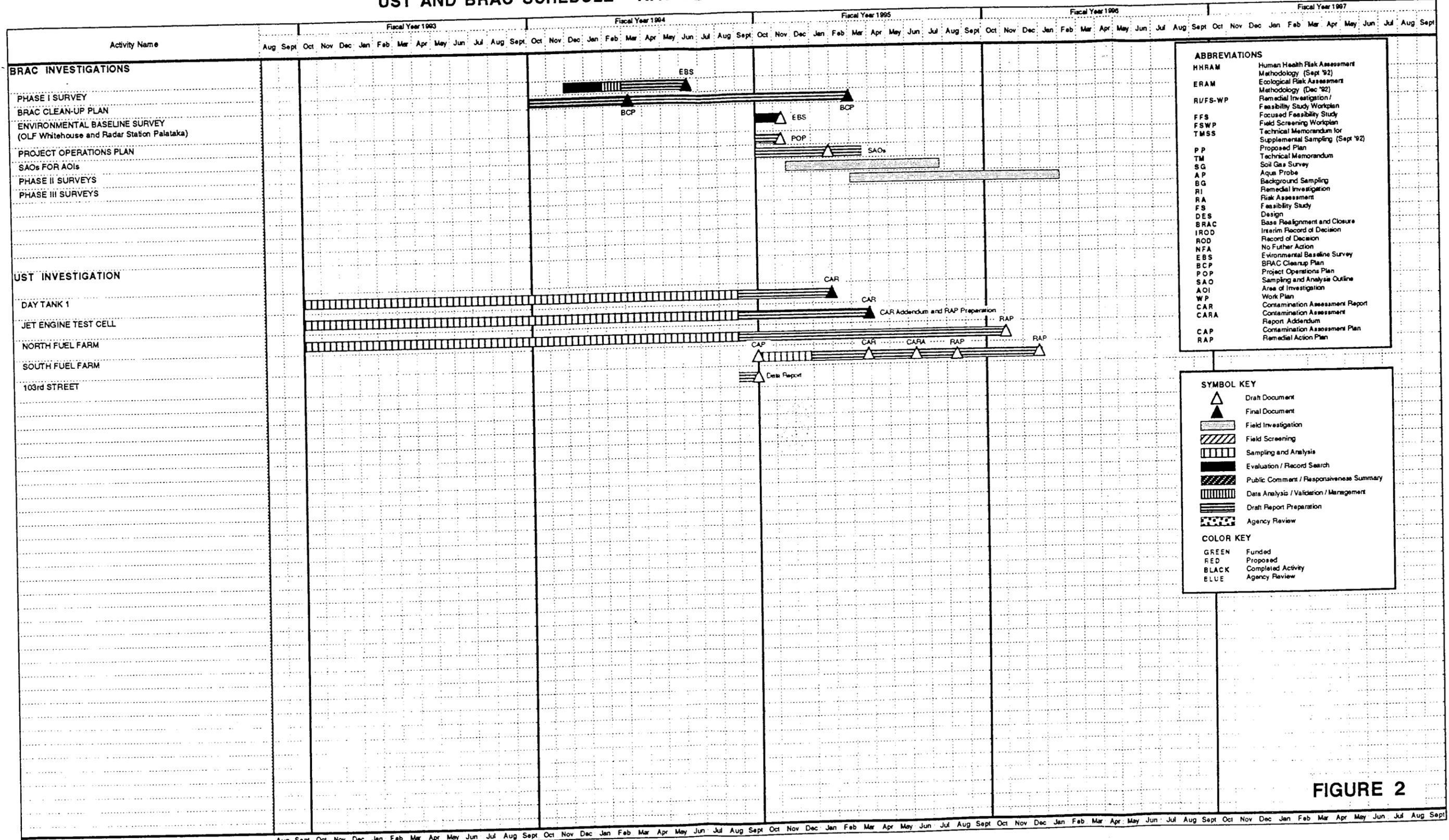
▲	Draft Document
▲	Final Document
▨	Field Investigation
▨	Field Screening
▨	Confirmation Sampling and Analysis
▨	Evaluation / Record Search
▨	Public Comment / Responsiveness Summary
▨	Data Analysis / Validation / Management
▨	Draft Report Preparation
▨	Agency Review

COLOR KEY

GREEN	Funded
RED	Proposed
BLACK	Completed Activity
BLUE	Agency Review

FIGURE 1

UST AND BRAC SCHEDULE - NAS CECIL FIELD - STATUS DATE: SEPTEMBER 19, 1994



ABBREVIATIONS

HHRAM	Human Health Risk Assessment Methodology (Sept '92)
ERAM	Ecological Risk Assessment Methodology (Dec '92)
RVFS-WP	Remedial Investigation / Feasibility Study Workplan
FFS	Focused Feasibility Study
FSWP	Field Screening Workplan
TMSS	Technical Memorandum for Supplemental Sampling (Sept '92)
PP	Proposed Plan
TM	Technical Memorandum
SG	Soil Gas Survey
AP	Aqua Probe
BG	Background Sampling
RI	Remedial Investigation
RA	Risk Assessment
FS	Feasibility Study
DES	Design
BRAC	Base Realignment and Closure
IROD	Interim Record of Decision
ROD	Record of Decision
NFA	No Further Action
EBS	Environmental Baseline Survey
BCP	BRAC Cleanup Plan
POP	Project Operations Plan
SAO	Sampling and Analysis Outline
AOI	Area of Investigation
WP	Work Plan
CAR	Contamination Assessment Report
CARA	Contamination Assessment Report Addendum
CAP	Contamination Assessment Plan
RAP	Remedial Action Plan

SYMBOL KEY

	Draft Document
	Final Document
	Field Investigation
	Field Screening
	Sampling and Analysis
	Evaluation / Record Search
	Public Comment / Responsiveness Summary
	Data Analysis / Validation / Management
	Draft Report Preparation
	Agency Review

COLOR KEY

GREEN	Funded
RED	Proposed
BLACK	Completed Activity
BLUE	Agency Review

FIGURE 2

As part of the SMP, the FFA parties will meet quarterly to assess the IR Program progress. Figure 1 will be updated as part of the quarterly progress report and will be used as a baseline schedule for 1995 IR Program activities. Schedule impacts will be noted in the baseline schedule and will be discussed at the quarterly meetings.

VII. FY 1995 DELIVERABLES

Primary Deliverables:

- | | |
|------------------------------------------------------|---------------|
| • Draft OU 2 RI Report | October 1994 |
| • Draft OU 2 RA Report | October 1994 |
| • Final OU 3,4,5, and 6 RI/FS Workplan | October 1994 |
| • Draft OU 2 FS Report | November 1994 |
| • Final OU 1 RI, RA, and FS Reports | December 1994 |
| • Draft Investigation Plan, PSCs 4, 6, 9, 12, 18, 19 | January 1995 |
| • Final OU 2 RI Report | February 1995 |
| • Final OU 2 RA Report | February 1995 |
| • Draft OU 7 RI Report | February 1995 |
| • Draft OU 7 RA Report | February 1995 |
| • Draft OU 7 FS Report | March 1995 |
| • Draft OU 8 RI Report | March 1995 |
| • Draft OU 8 RA Report | March 1995 |
| • Final OU 2 FS Report | March 1995 |
| • Draft OU 8 FS Report | April 1995 |
| • Final Investigation Plan, PSCs 4, 6, 9, 12, 18, 19 | May 1995 |
| • Final OU 7 RI Report | May 1995 |
| • Final OU 7 RA Report | May 1995 |
| • Final OU 8 RI Report | June 1995 |
| • Final OU 8 RA Report | June 1995 |
| • Final OU 7 FS Report | July 1995 |
| • Final OU 1 ROD | July 1995 |
| • Final OU 8 FS Report | August 1995 |
| • Final OU 2 ROD | August 1995 |

Secondary Deliverables:

- | | |
|------------------------------|------------------------|
| • Technical Memorandum, OU 3 | To Be Determined (TBD) |
| • Technical Memorandum, OU 4 | TBD |
| • Technical Memorandum, OU 5 | TBD |
| • Technical Memorandum, OU 6 | TBD |

ATTACHMENT A

SITE MANAGEMENT PLAN SCHEDULE RATIONALE

SITE MANAGEMENT PLAN SCHEDULE RATIONALE

No.	Description	SMP Days	Rationale
1	Between field screening and confirmation sampling	30	The confirmation program will be finalized based on discussions with the agencies as soon as screening data has been evaluated and reviewed. The scope of the confirmation program will be submitted in Letter Memorandum form.
2	Data analysis, validation, and management	90	Thirty days for each activity.
3	Remedial Investigation (RI) analysis and reporting	90	Includes data evaluation, report preparation, and meetings with FFA parties.
4	Agency review (draft documents)	45	Forty five days per earlier agreements (FY 1994 SMP).
5	Response to agency comments	30	Prepare response to comments, meet with agencies to determine adequacy of the responses, and finalize responses.
6	Revise draft document and submit final document	30	Thirty days after agency approval of response to comments.
7	Lag between RI report and Baseline Risk Assessment (BRA) report	15	Lag necessary to incorporate RI conclusions in RA report.
8	Lag between RI and Feasibility Study (FS) report	30	Contents of FS report is based on RI and BRA conclusions and recommendations.
9	Draft Proposed Plan (PP) will be submitted with the final FS	N/A	To expedite cleanup process, the draft PP will be submitted with the final FS. This will reduce RI/FS cycle time by about 28 days.
10	Agency review (final documents)	30	It is anticipated that the final documents may not require extensive revisions. Thirty days is based on earlier agreements.
11	Revise PP	30	
12	Draft ROD	45	Time needed for public meeting and public comment period.
13	Final ROD	60	Based on current agency review cycle time.

- Notes:
1. Submittal of draft documents will be limited during the period between Thanksgiving and Christmas.
 2. The lag between RI/BRA/FS reports is needed to ensure that appropriate data is incorporated in all documents.
 3. All days are calendar days.
 4. SMP schedule is greatly dependent on availability of funds and timeliness of documents review.
 5. This table does not present the field investigation cycle time.

SITE MANAGEMENT PLAN - NAS CECIL FIELD - STATUS DATE: JUNE 1, 1995

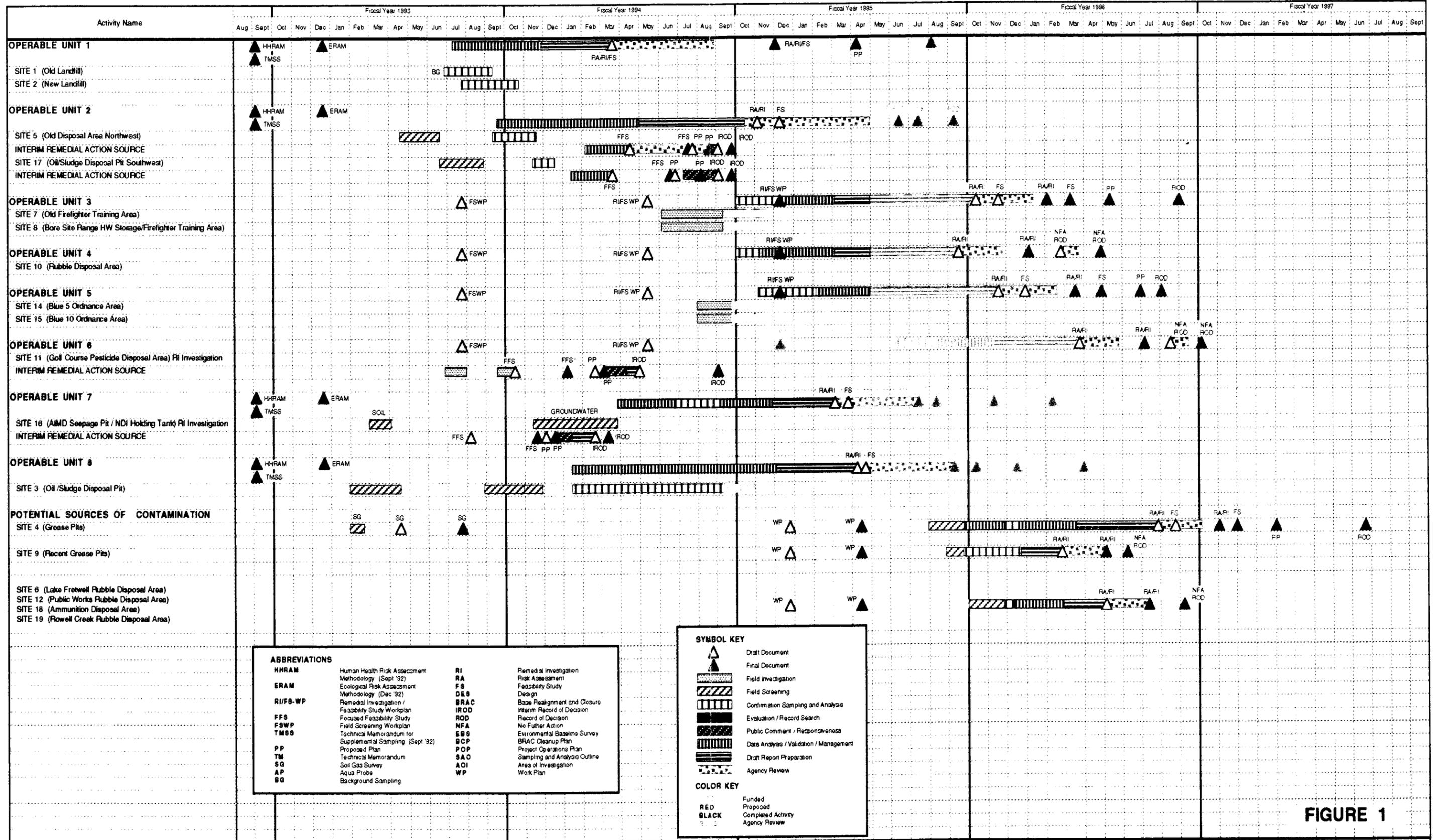


FIGURE 1