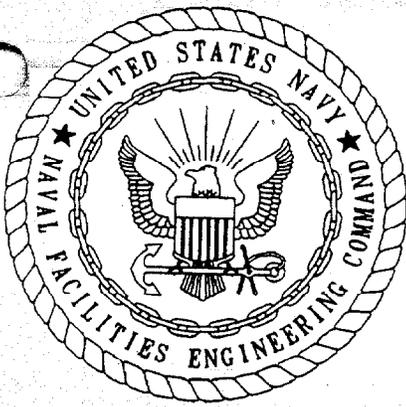


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BASE REALIGNMENT AND CLOSURE ENVIRONMENTAL SITE SCREENING REPORT FOR  
STUDY AREA 41 NTC ORLANDO FL  
12/1/1997  
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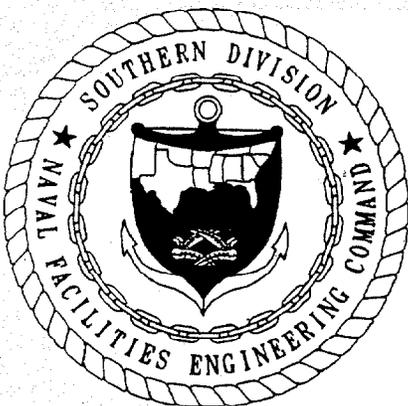
**BASE REALIGNMENT AND CLOSURE  
ENVIRONMENTAL SITE SCREENING REPORT**

**STUDY AREA 41**

**NAVAL TRAINING CENTER  
ORLANDO, FLORIDA**

**UNIT IDENTIFICATION CODE: N65928  
CONTRACT NO.: N62467-89-D-0317/107**

**DECEMBER 1997**



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

**BASE REALIGNMENT AND CLOSURE  
ENVIRONMENTAL SITE SCREENING REPORT**

**STUDY AREA 41**

**NAVAL TRAINING CENTER  
ORLANDO, FLORIDA**

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**Prepared by:**

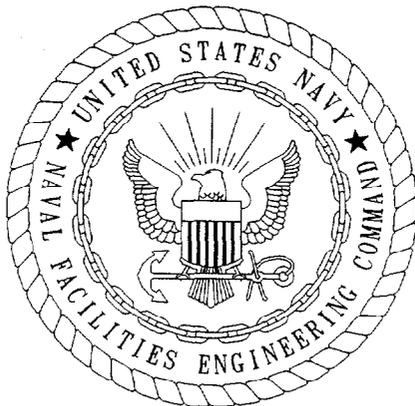
**ABB Environmental Services, Inc.  
2590 Executive Center Circle, East  
Tallahassee, Florida 32301**

**Prepared for:**

**Department of the Navy, Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
North Charleston, South Carolina 29418**

**Barbara Nwokike, Code 1873, Engineer-in-Charge**

**December 1997**



CERTIFICATION OF TECHNICAL  
DATA CONFORMITY (MAY 1987)

The Contractor, ABB Environmental Services, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0317/107 are complete and accurate and comply with all requirements of this contract.

DATE: December 10, 1997

NAME AND TITLE OF CERTIFYING OFFICIAL: John Kaiser  
Task Order Manager

NAME AND TITLE OF CERTIFYING OFFICIAL: Richard Allen  
Project Technical Lead

(DFAR 252.227-7036)

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
DQOs	data quality objectives
PCB	polychlorinated biphenyl
TCL	target compound list
USEPA	U.S. Environmental Protection Agency

## 1.0 STUDY AREA 41, UNNUMBERED FACILITY 8

This report contains information gathered as a result of site screening activities conducted at Study Area 41. Site screening investigations were conducted on July 11, 1997. Proposed field activities were presented in the Site Screening Plan (ABB Environmental Services, Inc. [ABB-ES], 1995).

1.1 STUDY AREA 41, BACKGROUND AND CONDITIONS. This section includes a brief background summary for Study Area 41 (Figure 1). Further details can be found in the Site Screening Plan (ABB-ES, 1995). Study Area 41 is the area of the Main Base bordered by Holland and Iwo Jima Streets and King and Leahy Avenues (Figure 2). Currently, the majority of this area is grass covered, with two paved parking areas. Prior to 1990, 10 administrative and training buildings occupied the site. The buildings have since been demolished. Two pad-mounted transformers are located in the northeast corner of the study area. The units are not labeled regarding polychlorinated biphenyls (PCBs) content. Dark staining was observed on the concrete pad of the northern transformer during a site inspection. There was no visual evidence of staining beyond the pad.

1.2 STUDY AREA 41, INVESTIGATION SUMMARY. The site screening investigations conducted at Study Area 41 are described below. The presence of petroleum storage tanks and any potential environmental impact due to storage and use of petroleum products at the site were evaluated under the Tank Management Plan (ABB-ES, 1996). The objective of the site screening investigation was to evaluate the environmental effects of the apparent release of fluid from the pad-mounted transformer in the northeast corner of the study area.

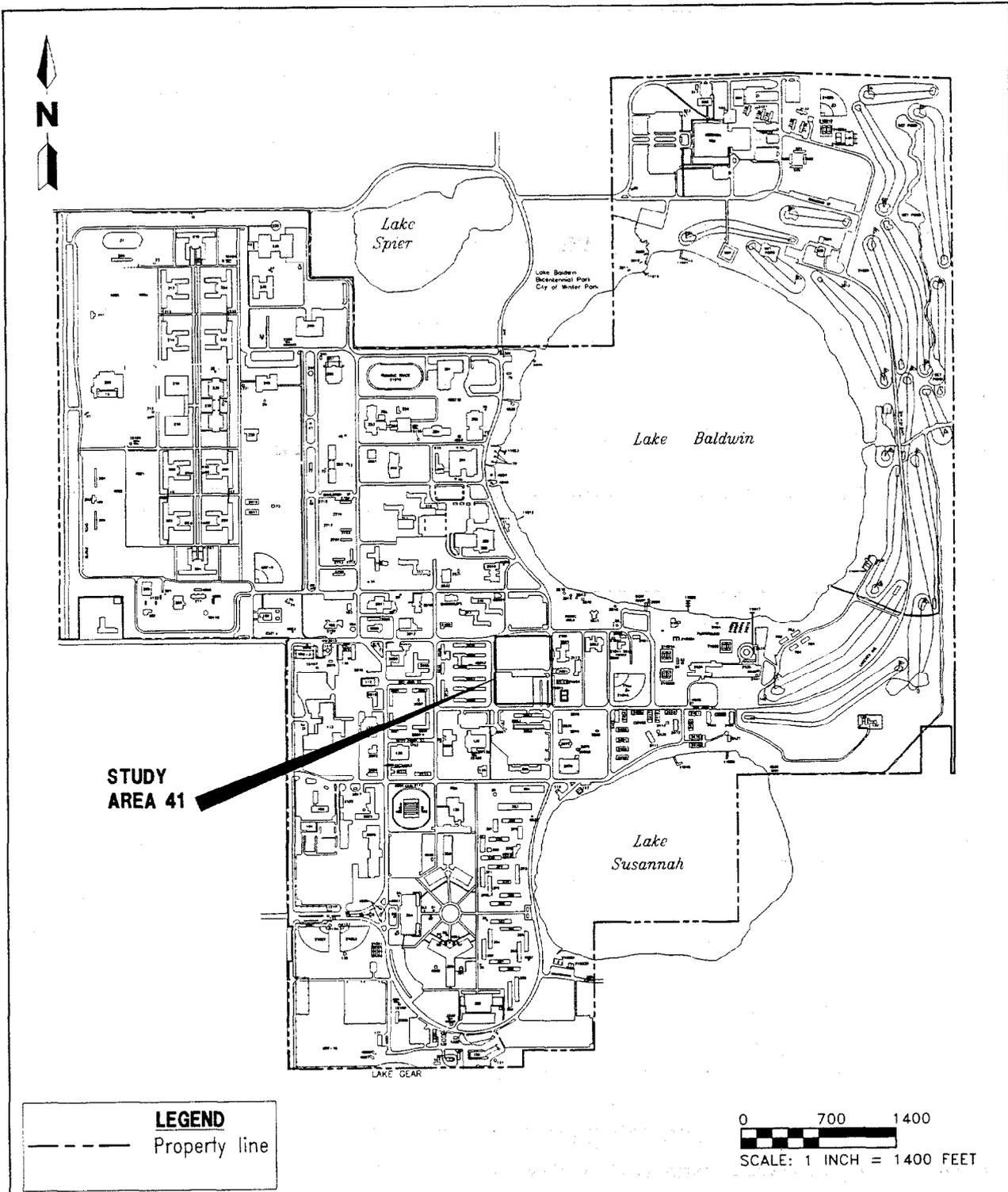
1.2.1 Surface Soil Sample One surface soil sample, 41S00101, was collected from a location adjacent to the transformer pad during the field investigation (Figure 2). The sample was submitted to an off-site laboratory to be analyzed for target compound list (TCL) PCBs in accordance with U.S. Environmental Protection Agency (USEPA) level IV Data Quality Objectives (DQOs).

1.2.2 Wipe Sample A wipe sample, 41Z00101, was collected from the stained area on the concrete transformer pad. The sample was submitted to an off-site laboratory to be analyzed for TCL PCBs in accordance with USEPA level IV DQOs.

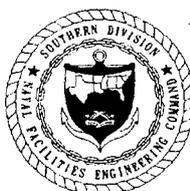
1.3 STUDY AREA 41, RESULTS. The results of the site screening investigation at Study Area 41 are discussed below. Analytical results from the media sampled at Study Area 41 are presented in Appendix A.

1.3.1 Surface Soil Analytical Results PCB concentrations were below detection limits in surface soil sample 41S00101.

1.3.2 Wipe Sample Analytical Results PCB concentrations were below detection limits in wipe sample 41Z00101.

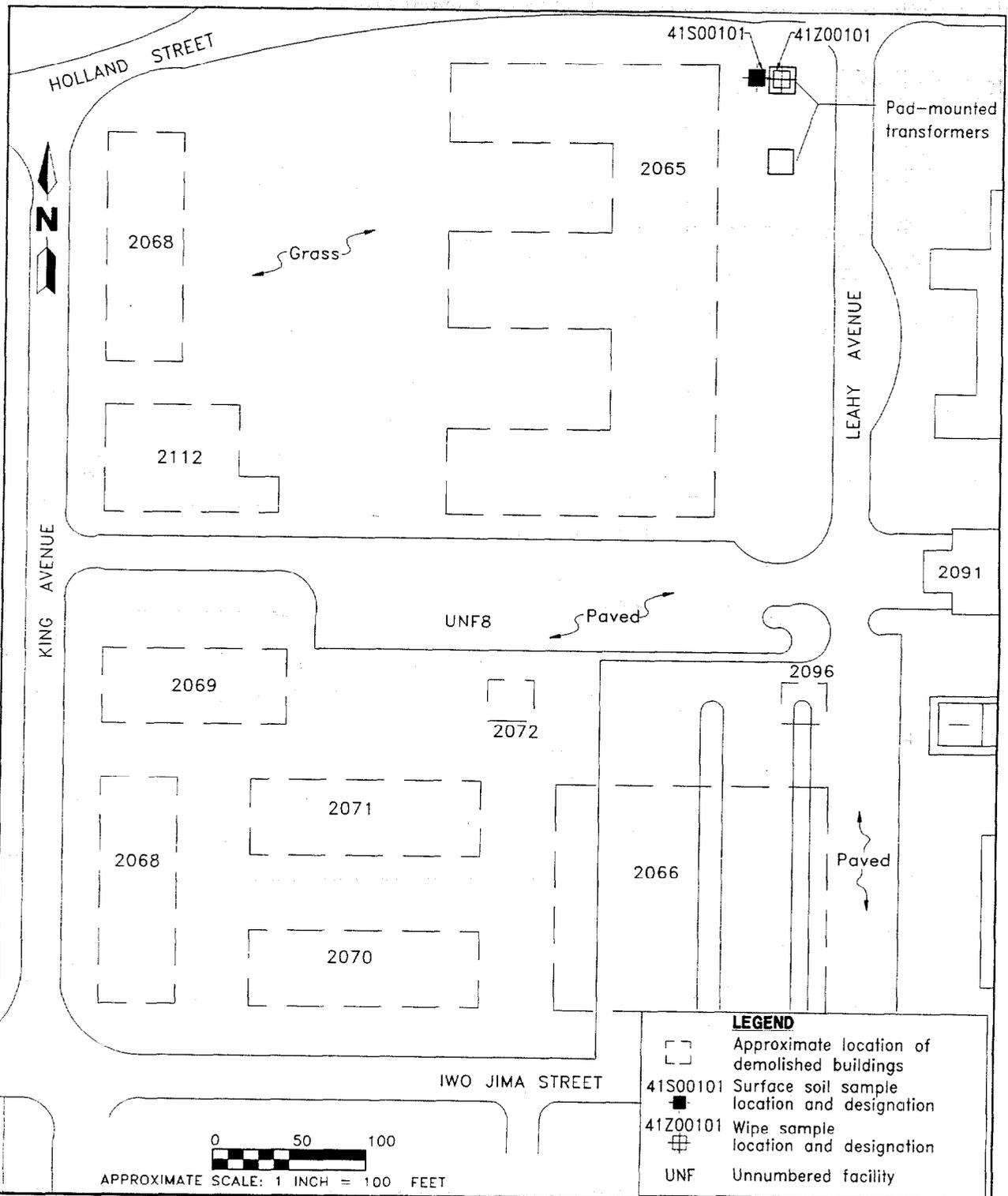


**FIGURE 1**  
**STUDY AREA LOCATION**

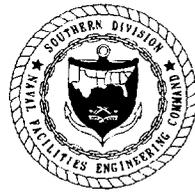


**BASE REALIGNMENT AND CLOSURE  
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STUDY AREA 41  
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**FIGURE 2  
SURFACE SOIL AND WIPE SAMPLE LOCATIONS**

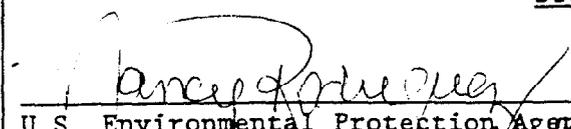
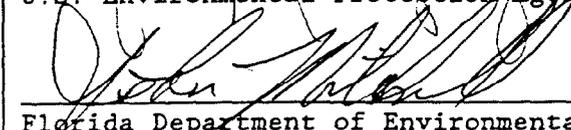
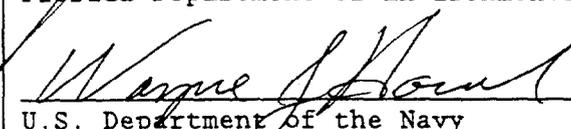


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1.4 STUDY AREA 41, CONCLUSIONS AND RECOMMENDATIONS. Based on available information and site screening data, it is concluded that there is no contamination at concentrations of environmental concern in the media sampled at Study Area 41. PCB concentrations in the surface soil and wipe samples collected at the site were below detection limits. ABB-ES recommends that Study Area 41 be made eligible for transfer with no further requirement for evaluation and a reclassification of the site from 7/Grey to 1/White.

The undersigned members of the Orlando Partnering team concur with the findings and recommendations of the preceding investigation and agree that Area 41 should be made eligible for transfer.

<u>STUDY AREA 41</u>	
 _____ U.S. Environmental Protection Agency, Region IV	<u>12/16/97</u> Date
 _____ Florida Department of Environmental Protection	<u>12/16/97</u> Date
 _____ U.S. Department of the Navy	<u>12/16/97</u> Date

## REFERENCES

- ABB Environmental Services, Inc. (ABB-ES). 1995. *Site Screening Plan, Groups I through IV Study Areas and Miscellaneous Additional Sites, Naval Training Center, Orlando, Florida*. Prepared for Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENCOM), North Charleston, South Carolina.
- ABB-ES. 1996. *Base Realignment and Closure Tank Management Plan, Naval Training Center, Orlando, Florida*. Prepared for SOUTHNAVFACENCOM, North Charleston, South Carolina (April).

**APPENDIX A**

**SUMMARY OF SOIL AND WIPE SAMPLE ANALYTICAL RESULTS**

- Table A-1. Summary of Surface Soil Analytical Results
- Table A-2. Summary of Wipe Sample Analytical Results

**Table A-1**  
**Summary of Surface Soil Analytical Results**

BRAC Environmental Site Screening Report  
Study Area 41  
Naval Training Center  
Orlando, Florida

Sample Identifier	41S00101
Sampling Date	7-11-97

**Polychlorinated Biphenyls ( $\mu\text{g}/\text{kg}$ )**

Aroclor-1016	36 U
Aroclor-1221	73 U
Aroclor-1232	36 U
Aroclor-1242	36 U
Aroclor-1248	36 U
Aroclor-1254	36 U
Aroclor-1260	36 U

Notes: BRAC = Base Realignment and Closure.  
 $\mu\text{g}/\text{kg}$  = micrograms per kilogram.  
U = The analyte/compound was analyzed for but was not detected above the reported sample quantitation limit.

**Table A-2**  
**Summary of Wipe Sample Analytical Results**

BRAC Environmental Site Screening Report  
Study Area 41  
Naval Training Center  
Orlando, Florida

Sample Identifier	41S00101
Sampling Date	7-11-97
<b>Polychlorinated Biphenyls (<math>\mu\text{g}/\text{kg}</math>)</b>	
Aroclor-1016	1 U
Aroclor-1221	2 U
Aroclor-1232	1 U
Aroclor-1242	1 U
Aroclor-1248	1 U
Aroclor-1254	1 U
Aroclor-1260	1 U
Notes: BRAC = Base Realignment and Closure. $\mu\text{g}/\text{kg}$ = micrograms per kilogram. U = The analyte/compound was analyzed for but was not detected above the reported sample quantitation limit.	