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BASE REALIGNMENT AND CLOSURE MINI RECORDS OF DECISION AND FACT SHEETS  
FOR STUDY AREAS 17, 18, 23, 35, 36, 37, 40 AND 42 WITH FINAL DECISION FOR STUDY  
AREA 37 ATTACHED NTC ORLANDO FL  
5/13/1999  
HARDING LAWSON ASSOCIATES

**Harding Lawson Associates**



May 13, 1999  
Commanding Officer  
SOUTHNAVFACENGCOM  
2155 Eagle Drive  
North Charleston, SC 29419-9010

ATTN: Ms. Barbara Nwokike, Code 187300

Subject: **BRAC mini-RODs and Fact Sheets**  
**Study Areas 17, 18, 23, 35, 36, 37, 40 and 42**  
**NTC, Orlando**  
**Contract: N62467-89-D-0317**

Dear Barbara:

Enclosed for your review are the (draft) mini-RODs (Decision and Response to Comments) for Study Areas 17, 18, 23, 35, 36, 37, 40 and 42. Also enclosed is the (draft) fact sheet for Study Area 36. The mini-ROD and fact sheet for Study Area 36 should be considered very preliminary, as the site screening report is still being reviewed by the OPT, and the conclusions and recommendations may change somewhat based on comments HLA receives from the Team. Fact sheets have previously been issued for all of the other study areas listed above.

Should you have any questions or need additional information, please call me at (904) 772-7688.

Very Truly Yours,

**Harding Lawson Associates**

A handwritten signature in cursive script that reads "Richard P. Allen".

Richard P. Allen  
Project Technical Lead

**Attachments**

CC: Wayne Hansel, Southern Division  
Nancy Rodriguez, USEPA Region IV  
David Grabka, FDEP  
LT G. Whipple, NTC-Public Works Officer  
Robin Manning, BEI  
Steve McCoy, TetraTech NUS  
Al Aikens, CH2M Hill  
John Kaiser  
file



Department of the Navy, Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
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## FINAL DECISION AND RESPONSE TO COMMENTS

Study Area 37, Former Hazardous Materials Storage Area  
Naval Training Center, Orlando  
Orlando, Florida

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### Introduction

Study Area (SA) 37 is located on the Main Base of NTC, Orlando, north of Langley Street (Figure 1). Building 2414 is a storage facility associated with the Bachelor Officers Quarters (Figure 2). Most recently, the building was used to store golf carts and spare towels. Paint and related chemicals were stored in flammable storage lockers in a gravel-floored wooden shed attached to the north side of the building. The shed and flammable storage lockers have since been removed, and there is no obvious evidence of releases of material stored in the shed. A storage room door inside the building is marked "Grounds Tools", which may indicate that landscape maintenance activities occurred at the building, and related chemicals may have been stored, mixed and used in the area.

Investigations at SA 37 included:

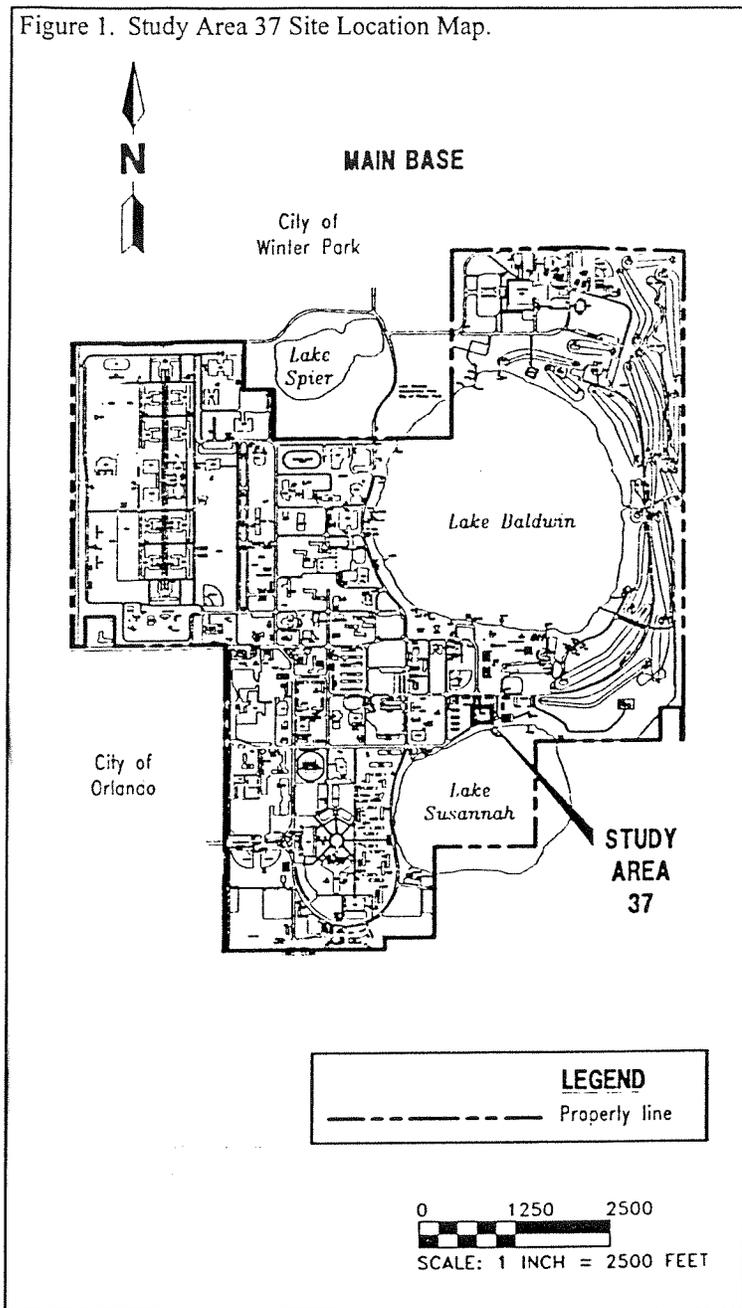
- A site walkover;
- Review of historical documents;
- Review of aerial photographs; and
- Soil and groundwater sampling.

The investigation focused on the former hazardous materials storage shed at the north end of Building 2124. Soil and groundwater samples were collected at this end of the building. A groundwater sample was also collected from a well south of the building, towards Lake Susannah. Sampling results showed that pesticide chemicals were present in surface soil in amounts exceeding Florida guidelines for residential land use. The presence of these pesticides is most likely related to landscape maintenance activities. There were no detections of any chemicals in groundwater at concentrations that exceed Florida drinking water standards.

Based on these results, additional soil sampling was completed, in order to determine the extent, or area, affected by the pesticide chemicals. Additional soil samples were collected from all sides of the building. The investigation found that a small area of soil at the northeast corner of the building had pesticide chemicals in amounts exceeding Florida guidelines for residential land use.

### Interim Remedial Action for SA 37

Figure 1. Study Area 37 Site Location Map.



The Navy, U.S. Environmental Protection Agency, and Florida Department of Environmental Protection have determined that an Interim Remedial Action (IRA) is appropriate at SA 37 to protect human health. An IRA is an early cleanup of a specific portion of a site and can be performed before the whole site has been looked at. IRAs respond to environmental contamination of immediate concern, and are sometimes the final action at a site. In this way, IRAs can help speed up the entire cleanup process.

### Selected Remedy

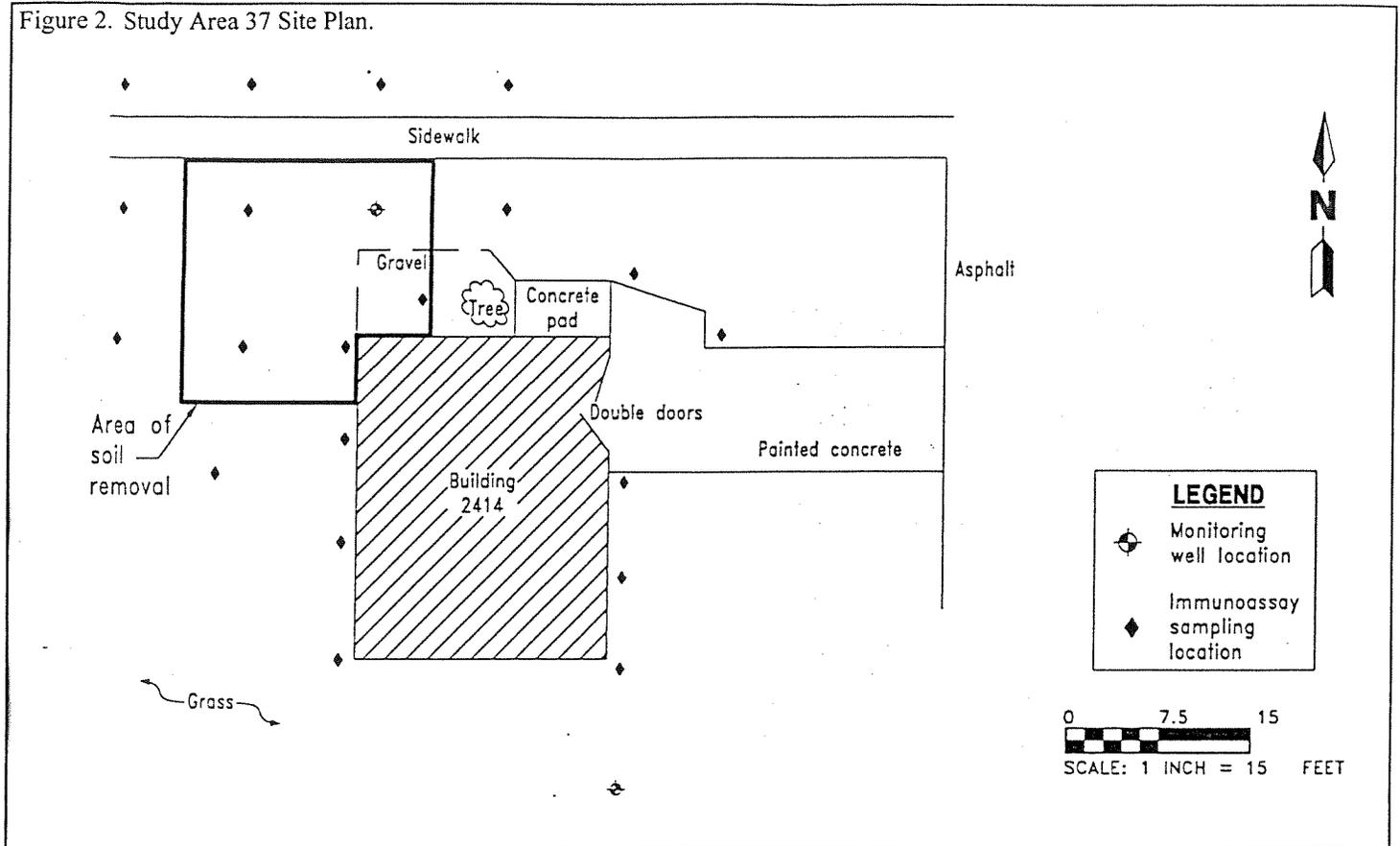
Site screening investigations at Building 2124 detected aldrin, alpha-chlordane, gamma-chlordane, heptachlor, and heptachlor epoxide in surface soil at concentrations exceeding Florida guidelines for these chemicals. The intent of the IRA is to excavate and properly dispose of soil contaminated with pesticides at concentrations exceeding Florida guidelines for residential land use.

Evaluation of the site screening data indicates that pesticide contamination at the site is limited to surface soil in a small area at the northeast corner of Building 2414. The Navy is recommending that surface soil be excavated from a 20-foot by 20-foot area at the northwest corner of Building 2414 (Figure 3). After excavation of the upper two feet of surface soil from this area, confirmation samples should be collected to determine that the walls and floor of the excavation do not contain any chemicals at concentrations that exceed Florida soil standards. If chemicals are still present, additional soil will be excavated and tested. Soil from the excavation will be disposed of in an approved manner. The excavation will be backfilled with Florida certified clean fill and reseeded to control sediment runoff.

This approach is consistent with remedial actions at several other sites at the Naval Training Center that had minor exceedances of Florida guidelines for one or more compounds. Removal of soil from this area will allow unrestricted use for future property owners. The volume of soil to be excavated is approximately 30 cubic yards, but more soil will be excavated if confirmation sample results indicate that additional soil exceeds regulatory criteria.

Community acceptance of the selected remedy was evaluated through presentations to the facility's Restoration Advisory Board (RAB). RAB meetings are open to the public and their bimonthly meetings are publicized in the *Orlando Sentinel*. The public was given an opportunity to comment on the remedy selected for SA 37 via distribution of a fact sheet in early December 1998 to the NTC, Orlando Community Mailing List, comprised of more than 300 interested citizens and community leaders. The public was also invited to attend the RAB meeting on January 20, 1999. The fact sheet summarized the selected remedy and invited written comment from the public until January 20, 1999. A public availability session would have been held following the January 20 cutoff date if there had been sufficient community interest. However, there were no comments from the public on the selected remedy.

Figure 2. Study Area 37 Site Plan.



**Declaration**

Based on the administrative record compiled for this corrective action, the Navy has determined that the remedy selected for SA 37 is appropriate and protective of human health and the environment and complies with Federal and State regulatory requirements. The FDEP and USEPA concur with the remedy selected.

**SIGNATURE.**

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Wayne Hansel, P.E.  
Base Realignment and Closure Environmental Coordinator

\_\_\_\_\_  
Date