

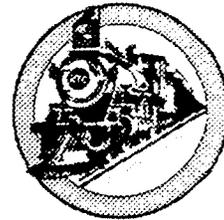
N65928.AR.000804
NTC ORLANDO
5090.3a

FACT SHEET PROPOSED INTERIM REMEDIAL ACTION AT OPERABLE UNIT 4 (OU 4) NTC
ORLANDO FL
11/1/1998
NAVFAC SOUTHERN



Naval Training Center Orlando, Florida

Proposed Interim Remedial Action Operable Unit 4



This fact sheet was developed to inform interested citizens about the Naval Training Center (NTC), Orlando environmental program. Fact sheets will be distributed periodically to keep the community informed. Additional copies of these fact sheets can be obtained by calling the NTC, Orlando Public Affairs Office at (407) 646-4430.

Site Description

Operable Unit (OU) 4 is located within the Area C property of the Naval Training Center (NTC), Orlando. Area C occupies approximately 45 acres of land and is located off Maguire Boulevard, approximately 1 mile west of the Main Base (Figure 1). When in operation, Area C served as the supply area for the NTC, Orlando. Most of the property is paved and includes numerous warehouse structures. The Area C property is situated in a suburban setting, including single and multifamily residential developments to the north and south and an office park to the east. Lake Druid is located immediately west of Area C. OU 4 is composed of three study areas (SAs): SA 12 (Defense Reutilization and Marketing Office [DRMO] Warehouses and Salvage Yard), SA 13 (the former base laundry and dry-cleaning facility), and SA 14 (the DRMO Storage Area) (Figure 2).

the plume of the chlorinated VOCs extended from the former base laundry facility (Building 1100) to the eastern side of Lake Druid. All of the contaminated groundwater is contained within the shallow groundwater aquifer. This aquifer is not used locally as a source of potable water. An interim remediation system has been installed to capture and treat contaminated groundwater before it enters the lake.

Polynuclear aromatic hydrocarbon (PAH) compounds and arsenic were detected at several surface soil sample locations during the RI at concentrations exceeding Florida guidelines for residential and industrial land use. Results indicated that

Site Investigations

The original site screening investigations at OU 4 consisted of

- a site walkover,
- a review of aerial photographs,
- a review of historical documents,
- a geophysical survey,
- a passive soil gas survey, and
- the collection of soil, groundwater, sediment, and surface water samples from selected areas.

The geophysical survey was performed to locate any buried objects that could pose a threat to the environment (e.g., drums, storage tanks, etc). None were found. The soil gas survey indicated detections of chlorinated volatile organic compounds (VOCs) at SA 13. The presence of the VOCs in the groundwater was confirmed by the analysis of groundwater samples. The VOCs were detected at SAs 12, 13, and 14 at concentrations that exceeded the Federal and State allowable limits for drinking water.

Based on these results, the three SAs were combined to form OU 4. A focused field investigation (FFI) and a remedial investigation (RI) were performed to determine the extent of the contamination. The results indicated that

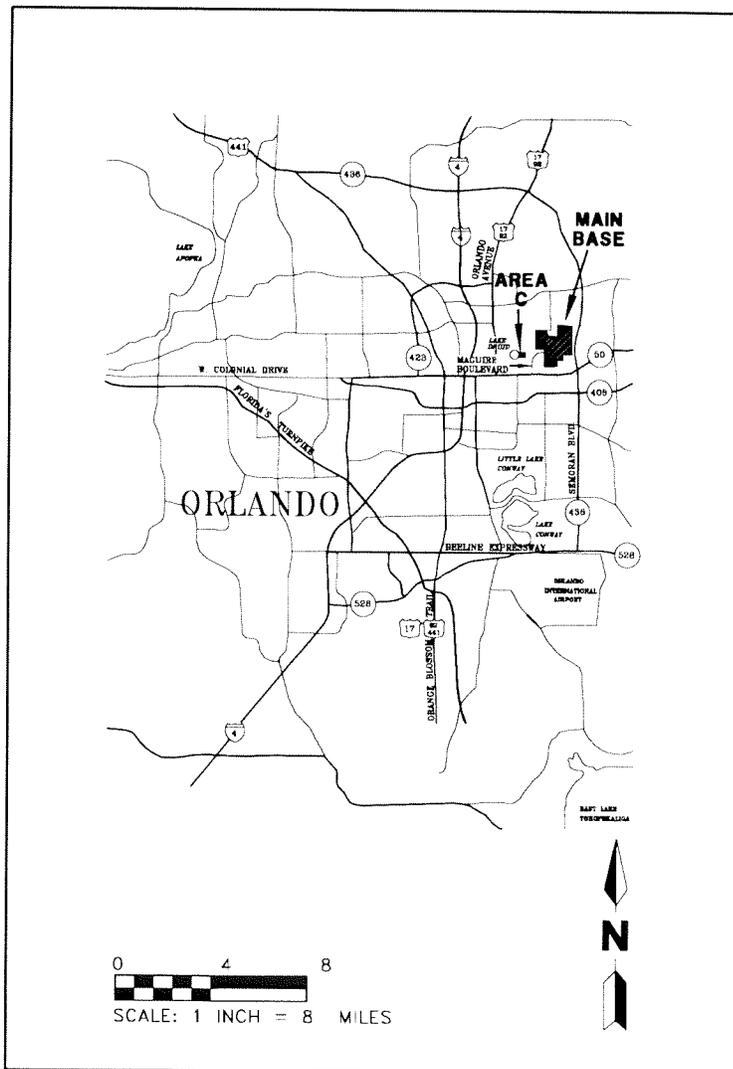


Figure 1. Operable Unit 4 Site Location Map

the contaminated soil was limited to three small isolated areas in the vicinity of Building 1100.

Conclusions and Recommendations

The Navy, U.S. Environmental Protection Agency, and Florida Department of Environmental Protection have determined that an interim remedial action (IRA) is appropriate at OU 4. An IRA is an early cleanup of a specific portion of a site and can be performed before the whole site has been investigated. 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.

When the IRA is completed, the Navy will continue to address the contaminated groundwater at OU 4. A feasibility study is underway that will help to determine the most appropriate remedial alternatives to clean up the remaining contaminated groundwater beneath the site.

Opportunities for Public Comment

The public is invited to submit any questions or comments on the interim remedial action described in this fact sheet. Written or verbal comments should be directed to the NTC, Orlando Public Works Office (see phone number listed below). A public comment period will be announced soon in the *Orlando Sentinel*.

What's Next?

The IRA will be completed in early 1999 and will involve excavating the PAH and arsenic-contaminated soil that exceeds Florida regulatory guidelines. The locations of the excavation areas are shown on Figure 2. Each excavation will measure approximately 10-feet by 10-feet by 2-feet-deep for a total volume of approximately 20 cubic yards. During excavation activities, soil samples will be collected from the side walls and bottom of each excavation to confirm that Florida guidelines for residential land use have been achieved. The excavated soil will be treated to reduce contamination or transported to an off-base landfill designed to handle this type of material. After the soil is removed, it will be replaced with clean backfill.

For More Information...

If you have questions about the Navy's action at OU 4, or on the environmental program at the NTC, Orlando in general, please contact Mr. Wayne Hansel at the NTC, Orlando Public Works Office, (407) 646-5294. Reports on the work at OU 4 can be reviewed at these locations:

Orange County Public Library Orlando Branch (2nd floor)

101 East Central Boulevard, Orlando, Florida 32801
(407) 425-4694

NTC, Orlando Public Works Department

1350 Grace Hopper Avenue, Orlando, Florida 32813
(407) 646-4735

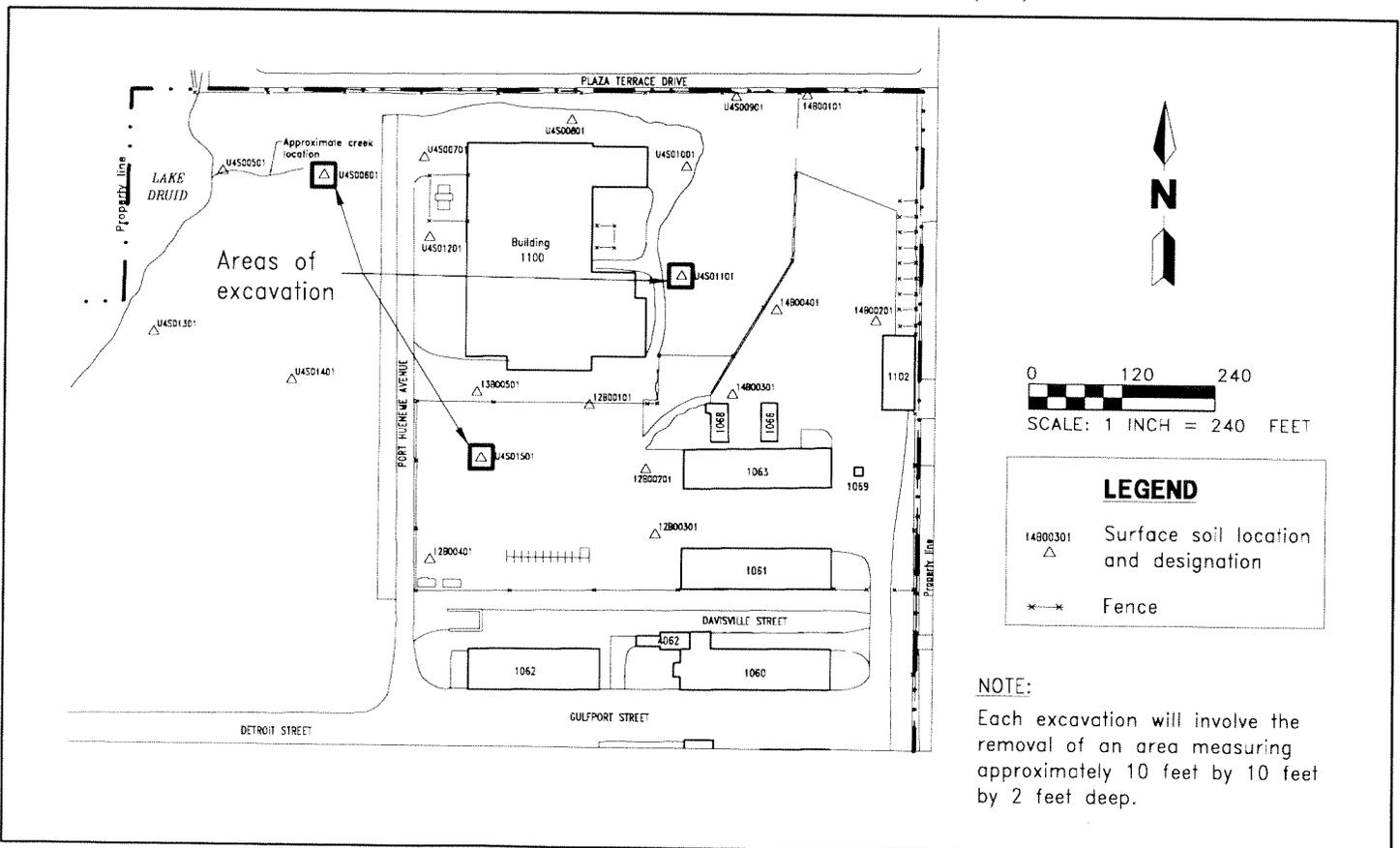


Figure 2. Operable Unit 4 Site Plan.