

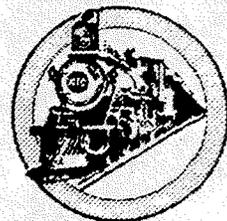
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FACT SHEET PROPOSED INTERIM REMEDIAL ACTION AT OPERABLE UNIT 3 (OU 3) NTC
ORLANDO FL
11/1/1998
NAVFAC SOUTHERN



Naval Training Center Orlando, Florida

Proposed Interim Remedial Action Operable Unit 3



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) 3 is composed of Study Areas (SAs) 8 and 9, which were investigated as part of the Installation Restoration Program performed at the Naval Training Center (NTC), Orlando facility. Both SAs are located on the west side of the former NTC, Orlando golf course, and immediately southeast of Lake Baldwin on the Main Base at the NTC, Orlando facility (Figure 1). SA 8 includes the former Greenskeeper's Storage Area. The site occupies approximately 1/3 acre of land and includes several structures formerly used for golf course maintenance equipment storage and repair. The site was once used to store supplies used to maintain the golf course (primarily pesticides and herbicides), but currently nothing is stored there.

herbicide concentrations exceeding the Florida drinking water standards were detected in groundwater. At SA 9, PAHs and pesticides were detected in the soil at concentrations greater than Florida residential guidelines. In groundwater at SA 9, arsenic, pesticide, herbicide, and semivolatile compounds were detected at concentrations greater than Florida drinking water standards. Because of their physical proximity and similar contaminants of concern, SA 8 and SA 9 were combined as OU 3 and additional characterization was conducted during the subsequent Remedial Investigation (RI).

SA 9 is identified as the Former Pesticide Handling and Storage Area. It is located immediately south of SA 8 and is composed of an approximately rectangular one-half acre tract of land including the former location of the pesticide and herbicide storage building. All of the structures at SA 9 have been removed. When in operation SA 9 was used to store and mix pesticides and herbicides and to clean application equipment for pest control activities at the Main Base.

The RI investigation at OU 3 involved the collection of additional samples to determine the nature and extent of

Site Investigations

The original site screening investigations consisted of

- a site walkover,
- a review of aerial photographs,
- a review of historical documents,
- a geophysical survey (SA 9 only) to locate any buried objects that could pose a threat to the environment (e.g., drums, storage tanks, etc.), and
- the collection of soil, groundwater, sediment, and surface water samples from selected areas.

The geophysical survey at SA 9 did not indicate any buried objects, but contaminants were found in the soil and groundwater at both SA 8 and SA 9. At SA 8, arsenic, polynuclear aromatic hydrocarbons (PAHs), and herbicides were detected in soil at concentrations greater than Florida's residential guidelines. Arsenic, pesticide, and

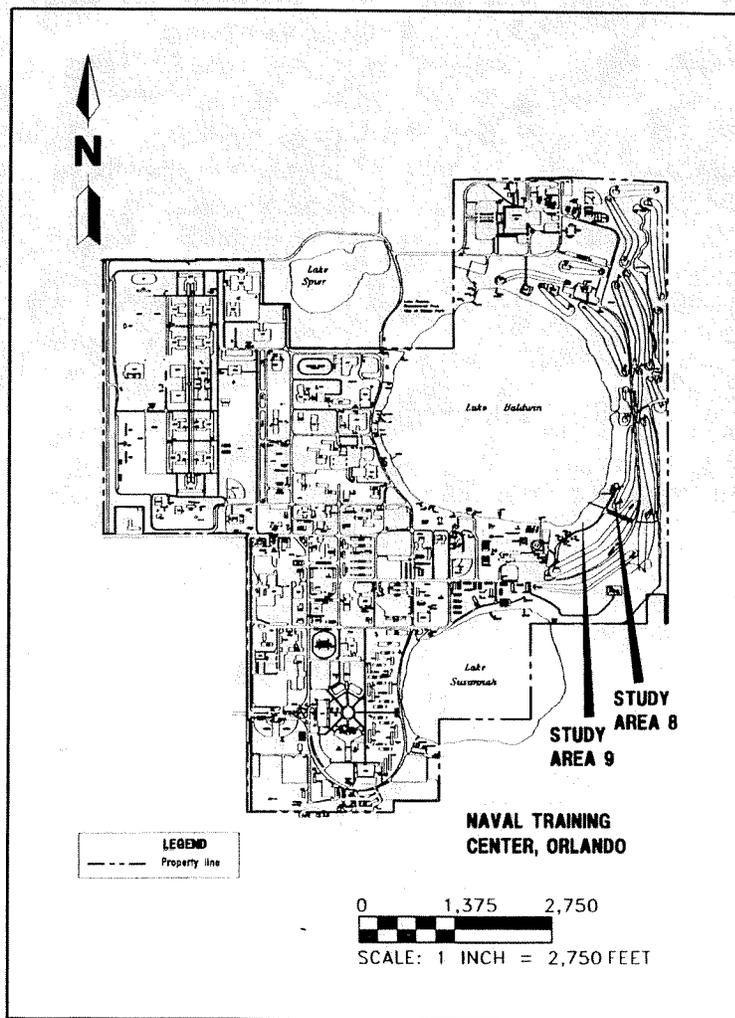


Figure 1. Study Areas 8 and 9 Site Location Map

contamination in soil and groundwater resulting from the former storage and handling of pesticides and herbicides. The contaminated soil is limited to areas adjacent to current and former building locations. The contaminated groundwater is limited to the shallow aquifer. This aquifer is not utilized locally as a source of drinking water.

Conclusions and Recommendations

Upon review of the RI results at OU 3, the Navy, U.S. Environmental Protection Agency, and Florida Department of Environmental Protection have determined that an interim remedial action (IRA) is appropriate for the site. An IRA is an early cleanup of a specific portion of a site. 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. The first phase of the IRA was performed in September 1997 to address those areas where the highest arsenic concentrations were found at SAs 8 and 9.

What's Next?

The next phase of the IRA at OU 3 is scheduled for early 1999 and will address the remaining contaminated soil that exceeds allowable State regulatory limits for residential land use. It will involve the excavation of approximately 5,000 cubic yards of soil from the central part of SA 8 (Figure 2), and approximately 30 cubic yards of soil from a drainage swale located along the northwest side of SA 9 (Figure 3). During excavation activities, soil samples will be collected from the side walls and bottom of each excavation to confirm that Florida regulatory guidelines for residential

land use have been achieved. The excavated soil will be treated to reduce contamination or transported to an off-base facility designed to handle this type of material. After the soil is removed, it will be replaced with clean backfill.

Once the IRA is completed the Navy will focus its attention on the contaminated groundwater. A feasibility study is currently being completed to determine the most appropriate method to address the contaminated groundwater.

Opportunities for Public Comment

The public is invited to submit any questions or comments on the 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*.

For More Information...

If you have questions about the Navy's action at OU 3, 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 3 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

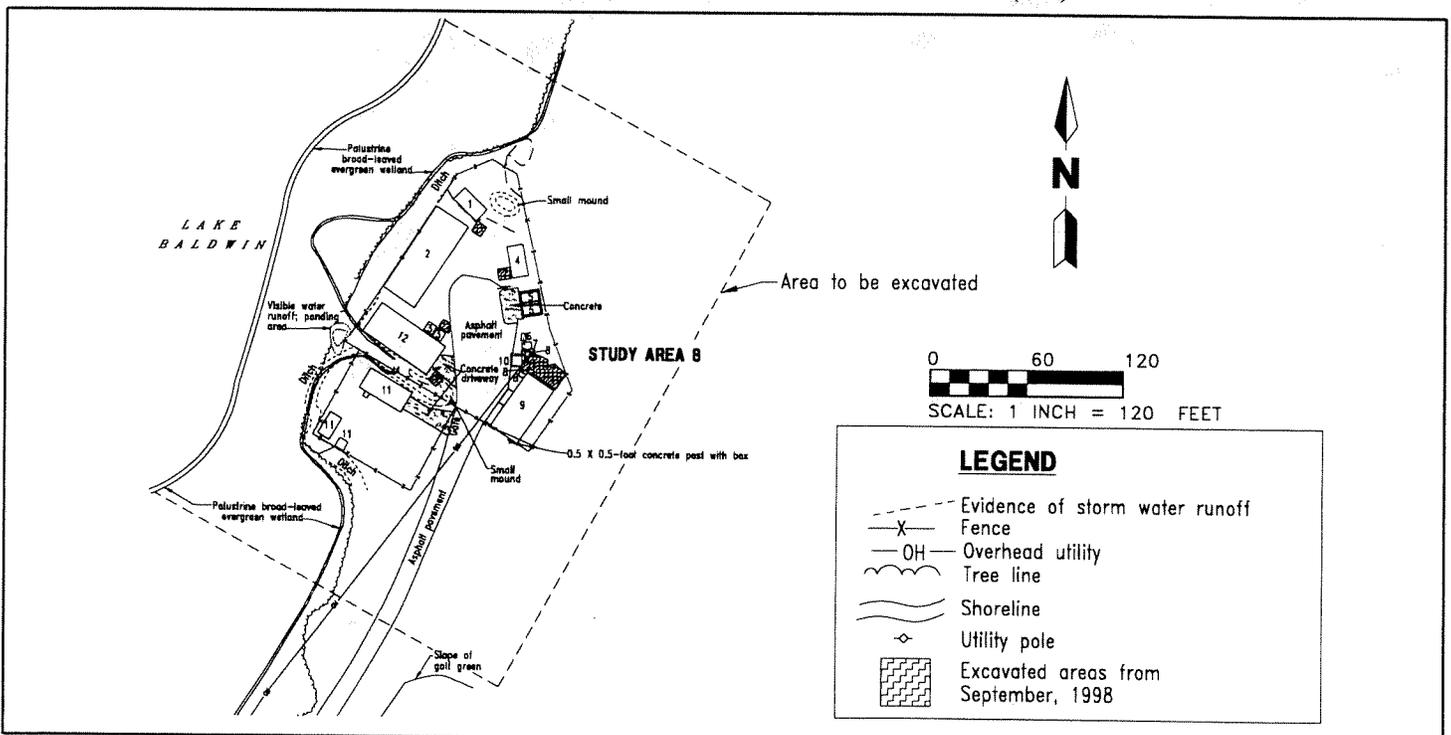


Figure 2. Study Area 8 Site Plan.

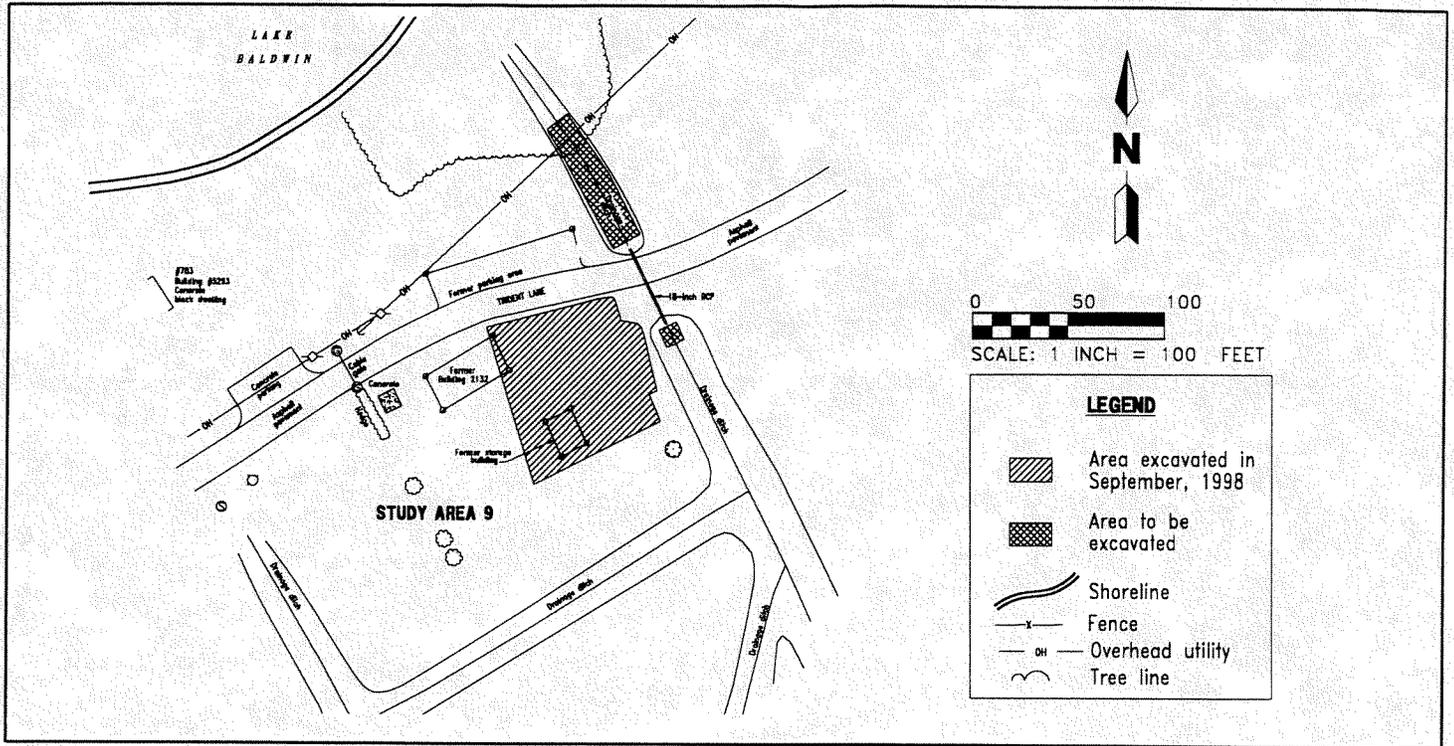


Figure 3. Study Area 9 Site Plan.