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FACT SHEET REGARDING PROPOSED INTERIM REMEDIAL ACTION AT STUDY AREA 39
AND 40 NTC ORLANDO FL
11/1/1998
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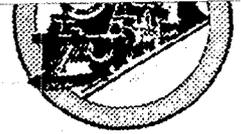


Naval Training Center Orlando, Florida

Proposed Interim Remedial Action Study Areas 39 and 40

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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

Study Areas (SAs) 39 and 40 are located in the southwest corner of the Main Base at the Naval Training Center, Orlando (Figure 1). SA 39 encompasses a 12-acre parcel of land bounded on the south and west by the Main Base's property line, on the east by Grace Hopper Avenue, and on the north by Nautilus Street. Nautilus Street marks the boundary between SAs 39 and 40. Most of the western side of SA 39 is undeveloped and covered with grass except for a small stand of trees in the southwest corner (Figure 2). The northeastern corner of SA 39 is occupied by a paved parking lot. A storm water retention pond is located in the central portion of the SA. Building 137, the Hazardous Materials Storage Facility, is located in the southeast corner of SA 39. The southwest corner is undeveloped and covered with grass. This area was once utilized as a coal staging area before disposition to the various steam-generating boilers located throughout the facility. There were also allegations of unexploded ordinance (UXO) disposal in the grassy area in the western portion of the SA.

SA 40 encompasses approximately 8 acres of land bounded on the south by Nautilus Street, on the west by the Main Base's western property line, on the north by Maguire Boulevard, and on the east by Grace Hopper Avenue. The southwestern corner of SA 40 is open and covered with grass. This area was once used as a landfill for the disposal of used glass items, household waste, construction debris, and possibly UXO. Two softball fields are located in the northwestern portion of SA 40, and there is a tennis court complex in the eastern portion of the site.

Site Investigations

Investigations at SAs 39 and 40 were performed concurrently and included

- a site walkover,
- a review of aerial photographs,
- a review of historical documents,
- a geophysical survey,
- a UXO 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 across the entire site to locate any buried objects that may pose a threat to the environment, such as drums, storage tanks, and UXO. The survey was also designed to delineate the boundaries of the former landfill. The survey results indicated the presence of numerous small metallic objects. These objects were excavated and

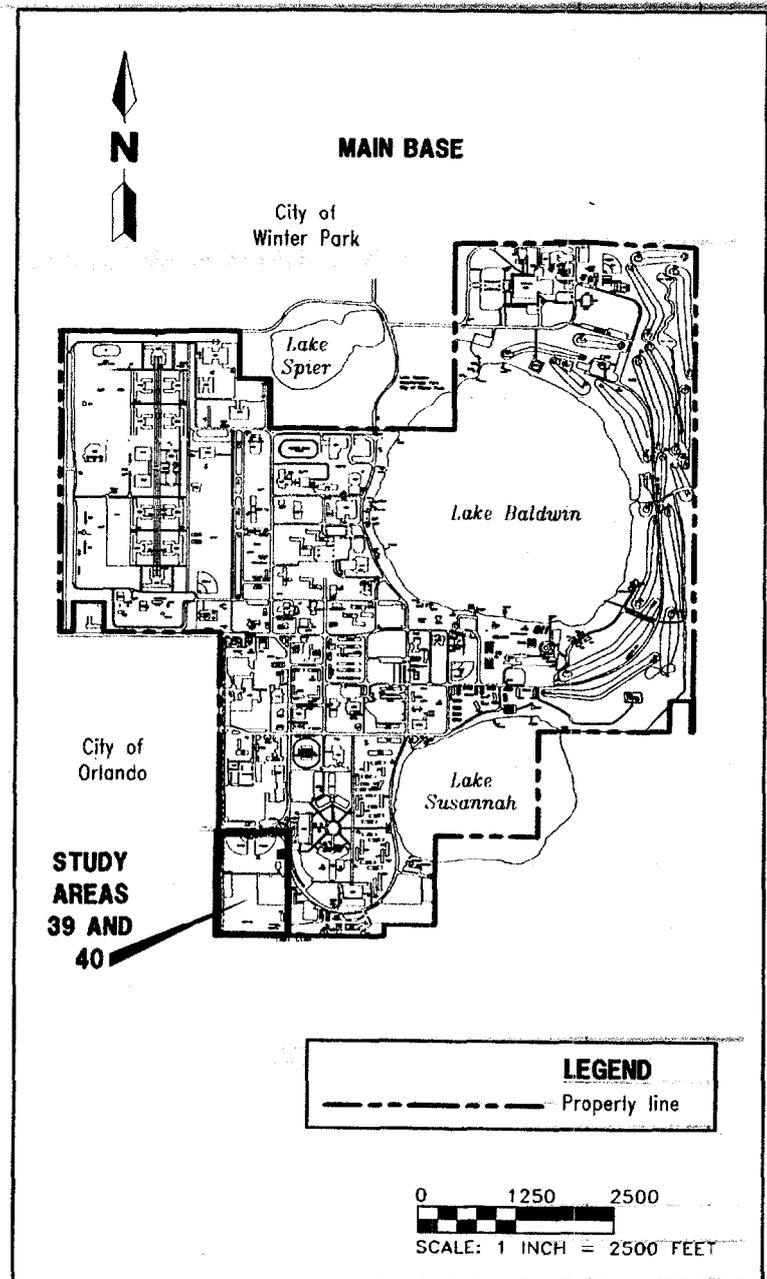


Figure 1. Study Areas 39 and 40 Site Location Map

examined by Navy UXO experts. None of the objects were UXO-related. The material instead consisted primarily of construction debris, including lumber, metal fragments, and glass. The survey results did not indicate any direct evidence of the presence of a landfill.

Soil gas survey results indicated detections of chlorinated solvents at several sampling points in the southeast corner of SA 39. Groundwater samples were later collected from this area. The sample analytical results confirmed that chlorinated solvents are present in the groundwater at SA 39 at concentrations that exceed the Federal and State allowable limits for drinking water. The contaminated groundwater is isolated to the southeast corner of SA 39 and to the shallow groundwater aquifer.

Laboratory analytical results from the soil samples collected indicate that polynuclear aromatic hydrocarbon (PAH) compounds and arsenic are present in the soil at both SAs at concentrations that exceed Florida's residential guidance levels. The area of the PAH- and arsenic-contaminated soil encompasses much of the southern portion of SA 39 in an area formerly occupied by coal stockpiles. In SA 40, there are five isolated areas with PAHs or arsenic that exceed permissible residential soil levels.

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 SAs 39 and 40 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.

What's Next?

The IRA for SAs 39 and 40, which will be completed in early 1999, will include digging up the contaminated soil. The soil will either be treated to reduce contamination, or transported to an off-base landfill designed to handle this type of material. Samples will be collected from the walls or floor of each site to confirm that Florida guidelines for residential land use have been achieved. After the soil is removed, clean soil will be placed into the hole left by the excavation. Excavation areas are shown on Figure 2 and involve approximately 8,100 cubic yards of soil.

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 SAs 39 and 40, or on the environmental program at NTC, Orlando in general, please contact Mr. Wayne Hansel at the NTC, Orlando Public Works Office, (407) 646-5294. Reports on the work at SAs 39 and 40 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, telephone (407) 646-4735

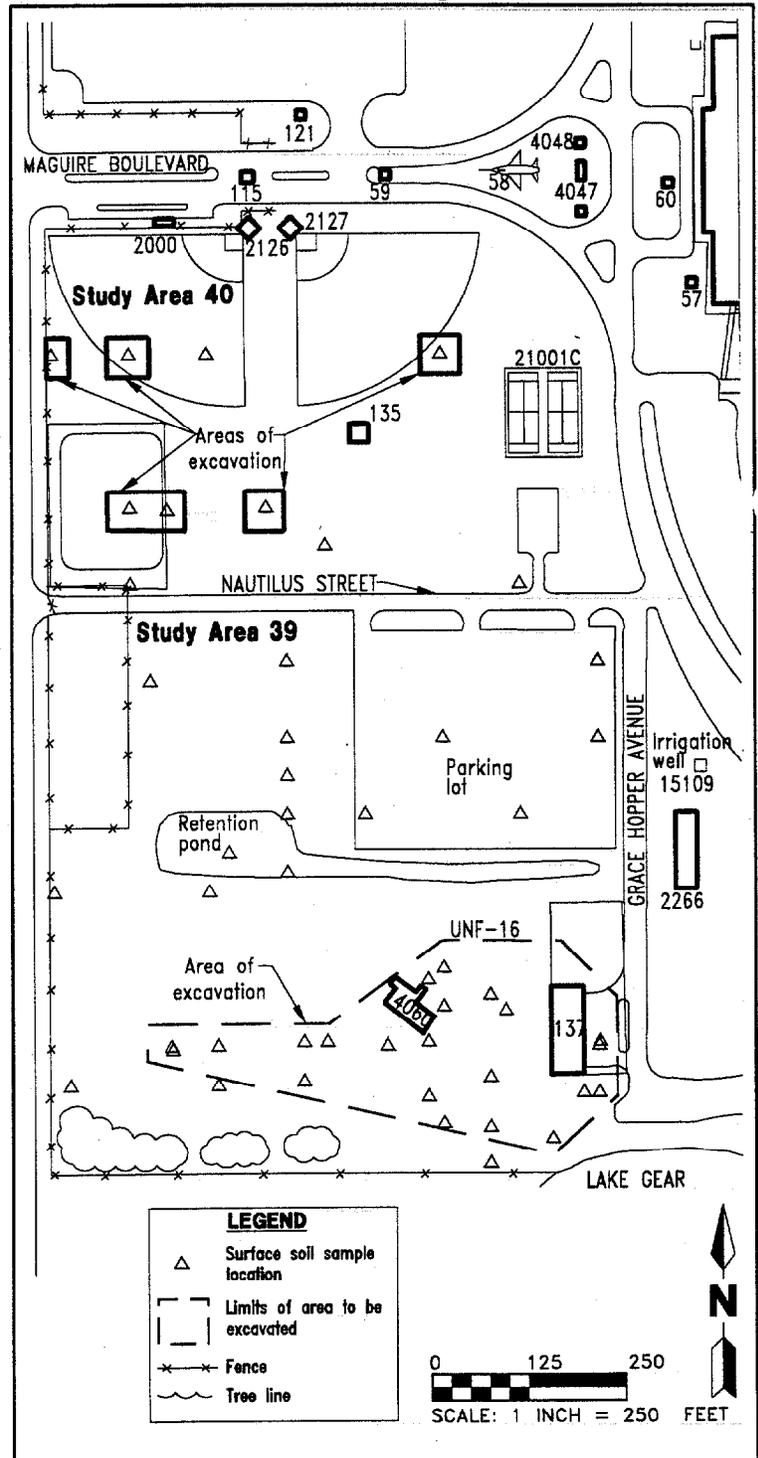


Figure 2. Study Areas 39 and 40 Site Plan.