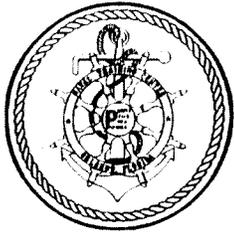


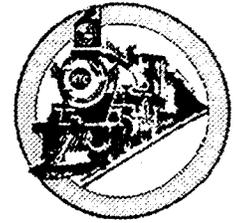
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FACT SHEET REGARDING PROPOSED INTERIM REMEDIAL ACTION AT STUDY AREA 23  
NTC ORLANDO FL  
11/1/1998  
NAVFAC SOUTHERN



# Naval Training Center Orlando, Florida

## Proposed Interim Remedial Action Study Area 23



*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 Area (SA) 23 is a 7-acre parcel located near the northeast corner of the McCoy Annex, NTC, Orlando (Figure 1). The site was previously used for the officer's bath house, two swimming pools, and a football field west of the bath house (Figure 2). The facilities were constructed in the 1950s and demolished in the 1980s. A 7-foot-high grass-covered mound remains at the site. The mound probably includes debris from the demolition of the bath house and swimming pools. A 12-inch-diameter metal drain pipe extends from beneath the mound to a drainage ditch east of the mound. Areas of environmental interest at the site include the mound itself, where demolition and other debris may have been buried, and the drain pipe, which receives storm water from the mound.

### Site Investigations

Investigations at SA 23 included

- a site walkover,
- a review of historical documents,
- a review of aerial photographs,
- a soil gas survey,
- a geophysical survey,
- soil and groundwater sampling, and
- storm water and sediment sampling.

There was no physical evidence of chemical releases or stressed vegetation in the SA during the site walkover. The soil gas survey was performed to locate potential areas of soil or groundwater contamination, whereas the geophysical survey was used to determine the extent of debris buried in the mound. Surface soil samples were collected at and around the discharge point of the drain pipe. Subsurface soil and groundwater samples were collected from locations on top of the mound and near the discharge point of the drain pipe. Sediment samples were collected in the drainage ditch from locations upstream of, downstream of, and at the drain pipe. Storm water was also sampled at the end of the drain pipe.

### Findings

One location at the end of the drain pipe had benzo(a)pyrene in surface soil and sediment in amounts exceeding Florida guidelines for residential land use. In addition, the storm water also had benzo(a)pyrene in amounts exceeding Florida

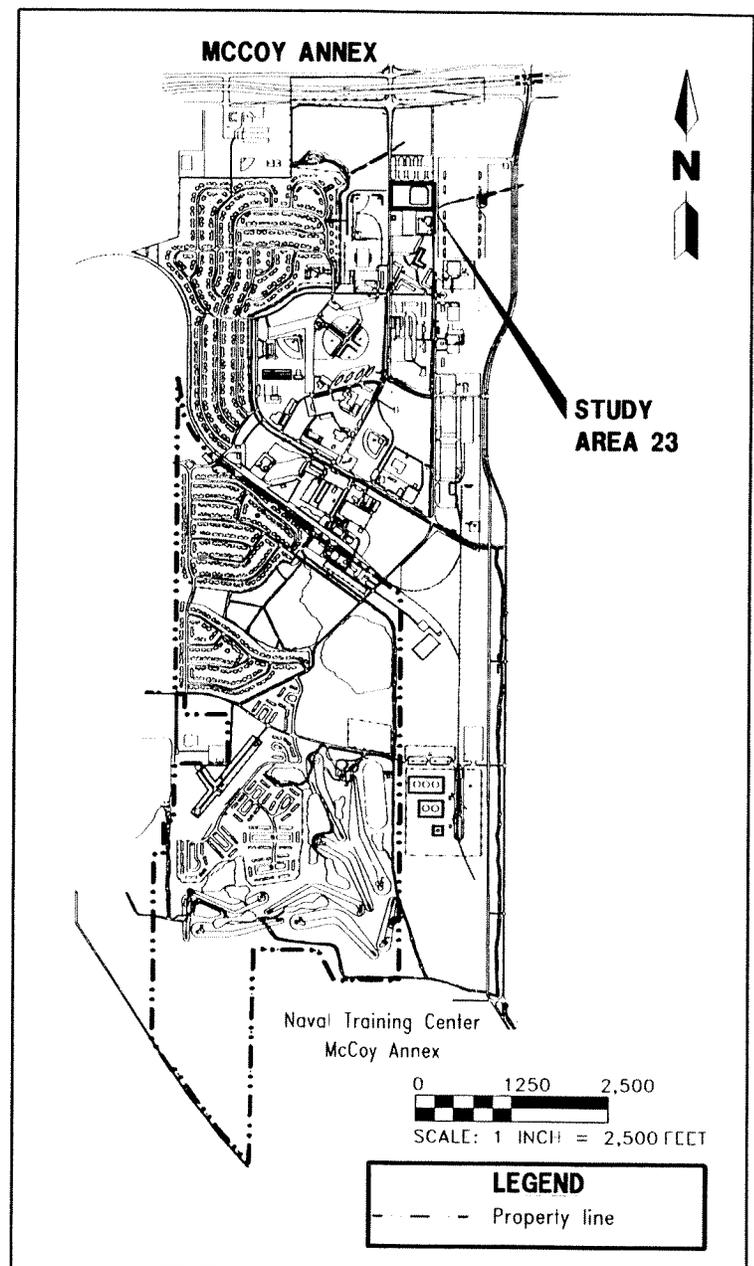


Figure 1. Study Area 23 Site Location Map

drinking water standards. Benzo(a)pyrene is a fuel-related compound that is often produced by incomplete burning of petroleum products.

The area of the base occupied by SA 23 is intended for a non-residential re-use scenario. No contamination was detected at other locations in surface soil, subsurface soil, sediment, or groundwater.

### Conclusions and Recommendations

The Navy, U.S. Environmental Protection Agency, and Florida Department of Environmental Protection have determined that an interim remedial action is appropriate at SA 23 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?

Soil will be removed at the end of the drain pipe where benzo(a)pyrene was found in amounts exceeding Florida guidelines for residential land use. The excavation will be approximately 5-feet-long by 5-feet-wide by 2-feet-deep. The end of the drain pipe will be sealed to prevent future

discharge of storm water from the mound through the pipe. This approach is consistent with remedial actions at several other SAs that had minor exceedances of Florida guidelines for one or more compounds. Removal of soils from the indicated area will allow unrestricted use and will not affect future plans of the city of Orlando.

### 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 SA 23, 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 SA 23 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

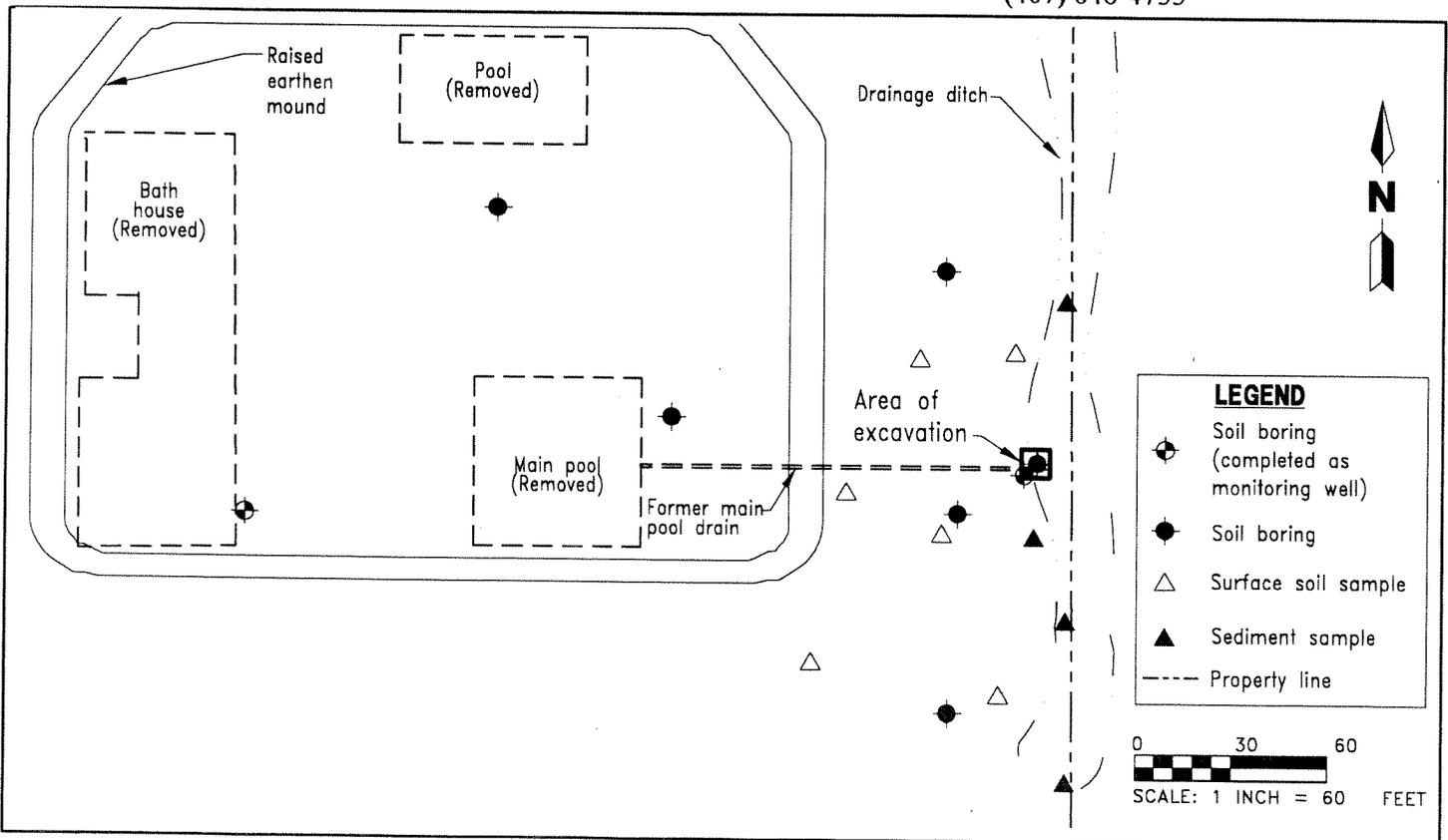


Figure 2. Study Area 23 Site Plan.