

## SITE SUMMARY

Issue:

- o Naval Air Station at Oceana, Virginia: Fifth Green Landfill (Site 7)

Summary:

- o Groundwater, surface water, and shallow soil samples were collected from locations around this former landfill. The concentrations found were below or near detection levels or near natural soil averages and appear to pose little or no threat to human health or the environment.

Background:

- o This four-acre site was used as the base landfill between 1954 and 1961 and contains a range of wastes including pesticides, heavy metals, oils, aromatic and halogenated hydrocarbons, PCBs, mixed municipal wastes, and unknowns. These wastes were originally burned in trenches to reduce their volume before being covered over.
- o The golf course for the base now covers this site.

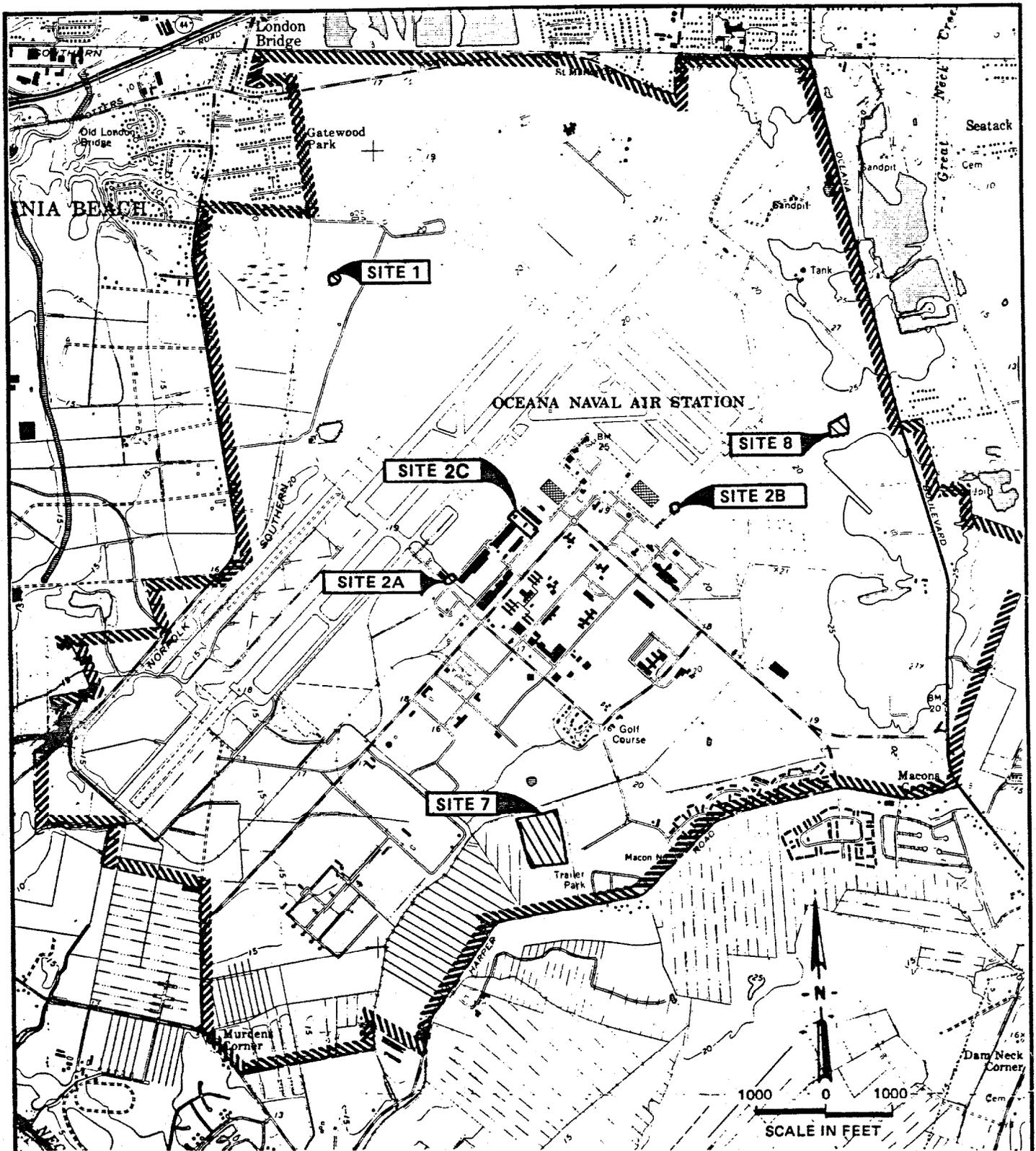
Discussion:

- o Three groundwater, two surface water, and two sediment samples were collected and analyzed in May 1986.
- o Concentrations of the constituents in all water and sediment samples were below or near detection limits and/or near the average natural abundance in soils. Methylene chloride and acetone were detected in low concentrations, but these compounds are commonly introduced by laboratory handling.
- o The potential pathway of contaminant migration is by groundwater transport to the canal to the northwest of the site, based on water level measurements and topography. These results suggest little or no migration of contaminants away from this site and, therefore, the potential threat to human health or the environment is low.

Future Plans:

- o Future plans are to perform an additional round of sampling and analysis of water from the monitoring wells and surface water sampling locations to verify the 1986 data.

WDR06/049

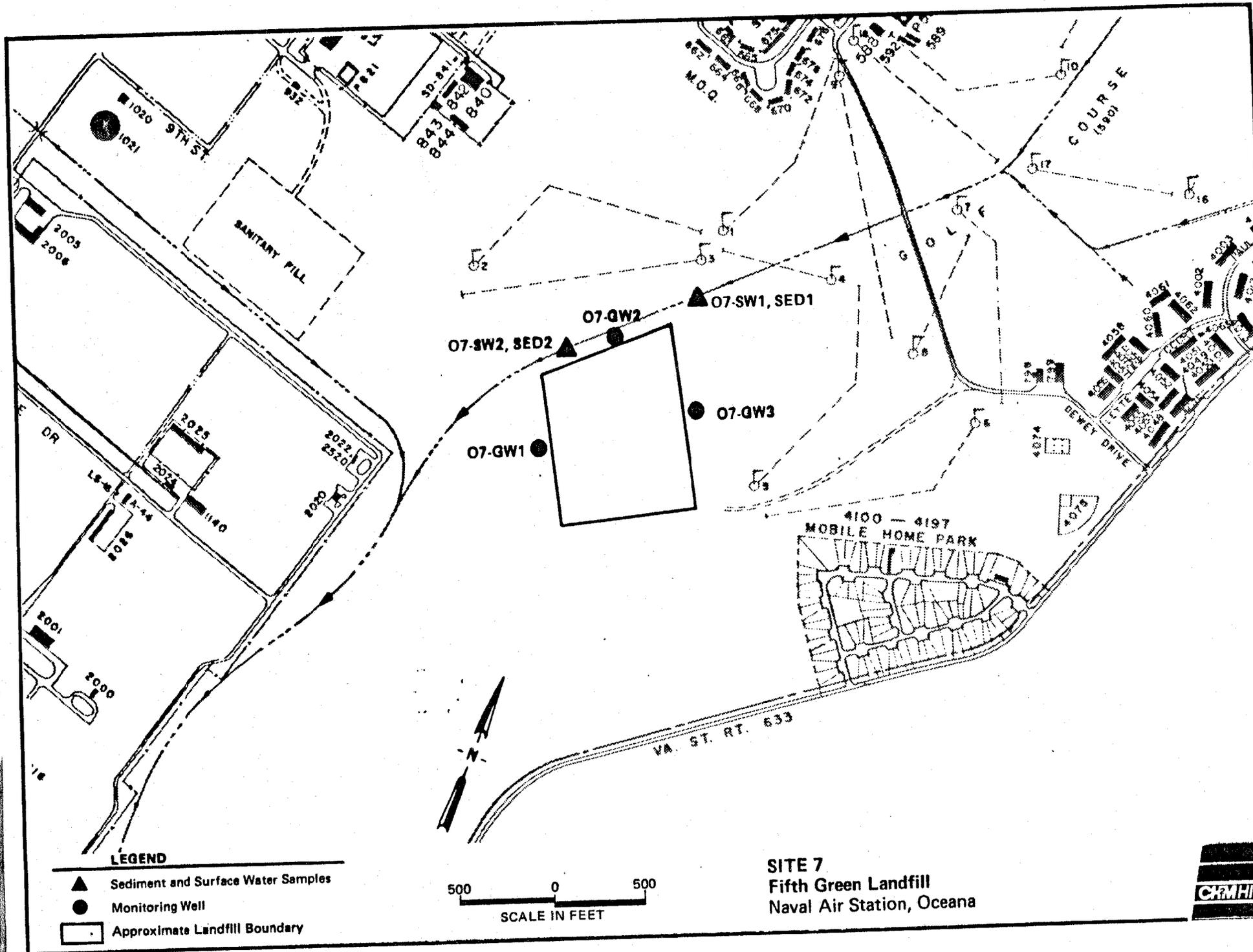


**LEGEND**

-  Base Boundary
-  Site Boundary
- SITE 1 – West Woods Oil Disposal Area
- SITE 2A – Line Shack (31–33) Disposal Area
- SITE 2B – Line Shack (130–131) Disposal Area
- SITE 7 – Fifth Green Landfill
- SITE 8 – North Station Landfill
- SITE 14 – Fentress Landfill is not located on this map

Site Locations  
Naval Air Station, Oceana





REPRODUCED AT GOVERNMENT EXPENSE