



NAVAL AIR STATION (NAS) ALAMEDA

FACT SHEET # 2: REMEDIAL INVESTIGATION/ FEASIBILITY STUDY UPDATE

SEPTEMBER 1990

START OF FIELD WORK FOR NAS ALAMEDA REMEDIAL INVESTIGATION:

Field work for the NAS Alameda Remedial Investigation began in April 1990 following approval of the planning documents and the Remedial Investigation/Feasibility Study (RI/FS) schedule by the California Department of Health Services. The purpose of the Remedial Investigation is to characterize potential soil and groundwater contamination at twenty sites at NAS Alameda. The Feasibility Study will evaluate remediation alternatives for each site.

The schedule has been divided into eight phases with each phase having particular tasks and activities. The RI/FS is scheduled to take two years to complete with the expected completion date in May 1992. A copy of the schedule is available in the information repository in the Alameda Main Library at the corner of Oak and Santa Clara Streets.

BACKGROUND INFORMATION ON PHASE 1 SITES:

Phase 1 sites include the 1943-1956 Landfill, the West Beach Landfill, and a part of the Oil Refinery Area, a former project site for a new Air Intermediate Maintenance Facility hangar that was found to be contaminated in the fall of 1989. Please refer to the site map on page 5 of this Fact Sheet for the locations of all of the sites under investigation.

The 1943-1956 Landfill was used for disposing aircraft engines, scrap metal, construction debris, as well as hazardous waste from 1943-1956. This area is located on the northwestern corner of the Station with a total area of approximately 120 acres.

The West Beach Landfill was used for disposal of municipal garbage and hazardous waste between 1958 and 1978. This area is located on the southwestern corner of the Station with a total area of approximately 110 acres.

Both landfills are scheduled to have a Solid Waste Assessment Test (SWAT) to be performed in Phases 5 and 6, which consists of numerous soil borings, encircling the landfills with monitoring wells, and conducting air sampling. The main purpose of the SWAT is to determine whether hazardous waste is leaching into San Francisco Bay. The Phase 1 field work in the landfill areas includes performing a radiation survey, surface soil sampling, air monitoring (to be included in the

SWAT), and drilling exploratory soil borings. The exploratory soil borings will serve to provide background geotechnical information for the planning of monitoring well installation for the SWAT which is planned to be started in late 1990.

The Oil Refinery Area is located in the southeastern corner of the Air Station. The former site for a new Air Intermediate Maintenance Facility, located just south of Building 397, was found to have significant soil contamination with petroleum hydrocarbons in the fall of 1989. A considerable amount of soil and groundwater sampling has already been completed at this site. An additional exploratory soil boring was planned for this site under Phase 1.

SUMMARY OF PHASE 1 FIELD WORK COMPLETED IN APRIL - JUNE 1990:

An air sampling program was completed in the 1943-1956 Landfill and the West Beach Landfill areas; background air sampling and monitoring was also done at the Oil Refinery Site and residential areas at NAS Alameda;

Utility clearance, location, marking, and drilling of exploratory soil borings was completed in the 1943-1956 Landfill, the West Beach Landfill, and the Oil Refinery Site;

A radiation survey was completed at the 1943-1956 Landfill and the West Beach Landfill areas;

Surface soil sampling was completed in the 1943-1956 Landfill area.

Surveying was performed for both Phase 1 exploratory boring and surface soil sampling locations and elevations;

Movement of the Phase 1 soil boring waste barrels from the landfill boring locations to the Navy-designated storage area near the Perimeter Road Pistol Range was completed.

SUMMARY OF PHASE 1 LAB DATA SUBMITTED IN AUGUST 1990:

The following Phase 1 lab data was submitted to Western Division, Naval Facilities Engineering Command personnel during August 1990:

<u>Lab Data</u>	<u>Date of Submittal</u>
Phase 1 Background Air Sampling Results	6 August 1990
Phase 1 Analytical Results for Metals, Pesticides/PCBs, and Semivolatile Organics For Surface Soil Samples at the 1943-1956 Landfill Area	9 August 1990

<u>Lab Data</u>	<u>Date of Submittal</u>
Phase 1 Boring Logs and Site Plan (submitted to the Alameda County Flood Control and Water Conservation District under Permit No. 90227)	22 August 1990
Phase 1 Boring Logs and Geotechnical Test Results	22 August 1990
Phase 1 Laboratory Analyses on soil Samples (1943-1956 Landfill Area, West Beach Landfill, and Oil Refinery Area)	27 August 1990

A summary of all data collected as a result of the Phase 1 field work will be available in the Alameda information repository in October 1990.

BACKGROUND INFORMATION ON PHASE 2A SITES:

The sites under investigation in Phase 2A of the Remedial Investigation are all located close to the Oil Refinery Area near the southeastern corner of the Air Station extending north up to the east gate. These sites include Building 360, Building 547, Yard D-13, Building 410, Building 530, the Oil Refinery Area, the CANS C-2 Area, and Area 97. The Phase 2A sites have been prioritized for investigation because of known contamination at the Oil Refinery Area, Area 97, and Building 360, as well as the proximity of these sites to nearby residential areas east of the base boundary.

Building 360 is known to have soil contamination beneath the floor of the plating shop. Other areas of concern include the engine cleaning shop, and the paint shop.

Building 547 is a gasoline station no longer being used which has several underground storage tanks for gasoline which may have leaked in the past.

Yard D-13 is a hazardous waste storage area for the Naval Aviation Depot, Alameda, which is currently in use.

Building 410 is an inactive Naval Aviation Depot, Alameda paint stripping hangar.

Building 530 is a Naval Aviation Depot, Alameda building which is used for missile rework operations.

The Oil Refinery Area is a former disposal area for refinery waste and asphalt-type residue used by the Pacific Coast Oil Refinery from 1879 to 1903.

The CANS C-2 Area is an area currently used for storing equipment. This area had a PCB transformer leak in 1982 and had PCBs sprayed for

weed control until 1963.

Area 97, located near the east gate of the Air Station, is the former site of five large partially underground storage tanks for aviation gasoline which had leaks into the soil and groundwater.

SUMMARY OF PHASE 2A FIELD WORK COMPLETED IN JUNE - AUGUST 1990:

Fifty-five soil borings and thirty-one monitoring wells were completed at the Phase 2A sites.

Soil gas surveys were completed for Area 97 (121 survey points) and Building 547 (62 survey points).

Water sampling was completed for thirty out of thirty-one monitoring wells at the Phase 2A sites.

Surface soil sampling was completed in the CANS C-2 Area.

Surveying was completed for 151 out of a total of 324 locations in the soil gas surveys, surface soil sampling, soil borings, and monitoring well installations.

A summary of all data collected as a result of the Phase 2A field work will be available at the Alameda information repository in November 1990.

For More Information

This fact sheet is part of the on-going community relations program to keep individuals informed of cleanup activities at NAS Alameda. If you have any questions on any items discussed in this information release, please contact:

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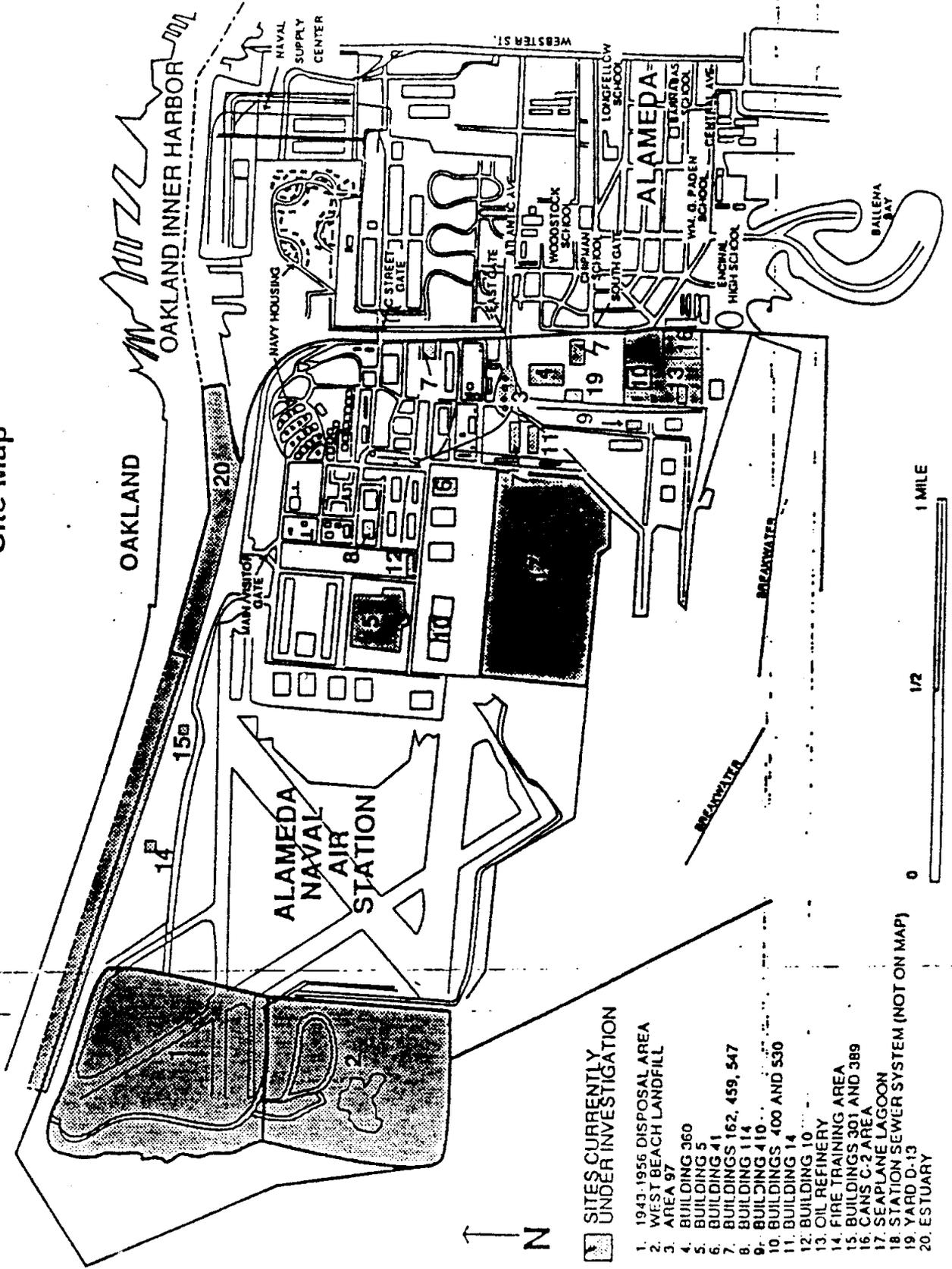
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Site Map



SITES CURRENTLY UNDER INVESTIGATION

1. 1943-1956 DISPOSAL AREA
2. WEST BEACH LANDFILL
3. AREA 97
4. BUILDING 360
5. BUILDING 5
6. BUILDING 41
7. BUILDINGS 162, 459, 547
8. BUILDING 114
9. BUILDING 410
10. BUILDINGS 400 AND 530
11. BUILDING 14
12. BUILDING 10
13. OIL REFINERY
14. FIRE TRAINING AREA
15. BUILDINGS 301 AND 389
16. CANS C-2 AREA
17. SEAPLANE LAGOON
18. STATION SEWER SYSTEM (NOT ON MAP)
19. YARD D-13
20. ESTUARY

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