

5090  
Ser 1831.2GK/L5120  
1 May 1995

From: Commanding Officer, Engineering Field Activity, West, Naval Facilities  
Engineering Command

To: Distribution

Subj: DOCUMENT SUMMARY FOR DRAFT DATA TRANSMITTAL  
MEMORANDUM FOR SITES 4, 5, 8, 10A, 12 AND 14 , NAVAL AIR  
STATION (NAS), ALAMEDA, CALIFORNIA

Encl: (1) Document Summary for Draft Data Transmittal Memorandum for Installation  
Restoration Sites 4, 5, 8, 10A, 12 & 14

1. Enclosure (1) is submitted for your information. A document summary is an abstract of an upcoming report or workplan document and provides a brief description and highlights of the report or workplan.
2. The Draft Data Transmittal Memorandum document is being prepared for submittal in the near future for regulatory agency review. This document does not require review or comments from the RAB, however, if you would like a copy of the document, please make your request directly to me, within 7 days of receipt of this letter. I can be reached at (415) 244-2549 or FAX (415) 244-2654. The RAB Co-chair and Focus Group Chairs will automatically receive a copy of this document for their review.
3. If you have any questions regarding this matter please give me a call.

**Original signed by:**

GEORGE KIKUGAWA  
Remedial Project Manager  
By direction of  
the Commanding Officer

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**DATA TRANSMITTAL MEMORANDUM SITES 4, 5, 8, 10A, 12, AND 14  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY**

**DOCUMENT SUMMARY**

**Document Type:** Report

**Document Date:** May 1995

**Document Version:** Draft

**Summary:** The Data Transmittal Memorandum presents results of recent sampling conducted at six sites at Naval Air Station (NAS) Alameda: Sites 4, 5, 8, 10A, 12, and 14 (see attached map). The sampling was conducted as part of the basewide Remedial Investigation/Feasibility Study; the results of this sampling will be incorporated into the Remedial Investigation report. The Remedial Investigation report, and the human health risk assessment it will contain, will describe the nature and extent of contamination at sites and identify the sites that need to be cleaned up to be protective of human health and the environment. The feasibility study will identify the most appropriate cleanup method(s) for each site. This Data Transmittal Memorandum does not evaluate the nature and extent of contamination at these six sites; that evaluation will be conducted during preparation of the remedial investigation report. Rather, this memorandum simply relays results recently collected, and indicates if enough data are available to perform the remedial investigation risk assessment for these six sites.

The sampling reported in this Data Transmittal Memorandum was conducted to provide more information about the types and concentrations of potential organic compounds\* and metals in soil, groundwater, and sediments at these six sites. The conclusions from the memorandum are summarized below.

- Enough data appear to be available about the potential chemicals of concern in the soil at all six sites to allow the remedial investigation risk assessment to continue. No further soil sampling is recommended at this time.

\* See glossary

- Based on groundwater sampling conducted during this and previous investigations, enough data appear to be available to evaluate the extent of potential chemicals of concern in groundwater at Sites 8, 10A, 12, and 14. To evaluate the extent of potential chemicals of concern, groundwater wells are placed close to the location of a reported release or close to areas suspected of contributing to groundwater contamination. When results show levels are very low or not detected in a well, it is assumed that the extent of contamination has been evaluated.

More groundwater sampling is recommended in the area of Sites 4 and 5 before the extent of organic compounds\* in groundwater at these sites can be assessed. Trichloroethene\* and 1,1,1-trichloroethane\* are the specific chemicals for which further information is needed.

- Sediment samples were collected from catch basins believed to catch surface water runoff from remedial investigation sites. The samples indicated the presence of contaminated sediments. Complete the characterization of the underground system will be conducted under the Environmental Baseline Survey (EBS), therefore, the Data Transmittal Memorandum does not contain recommendations regarding this system.
- Results from this study also provided additional information on subsurface geology and the movement of groundwater in the vicinity of these sites. The report provides maps showing levels of groundwater and other groundwater characteristics.

\* See glossary

### Glossary

Organic compounds: Compounds containing carbon and hydrogen.

Trichloroethene (TCE): A chlorinated organic compound typically used in solvents.

1,1,1-Trichloroethane (TCA): A chlorinated organic compound typically used in solvents.



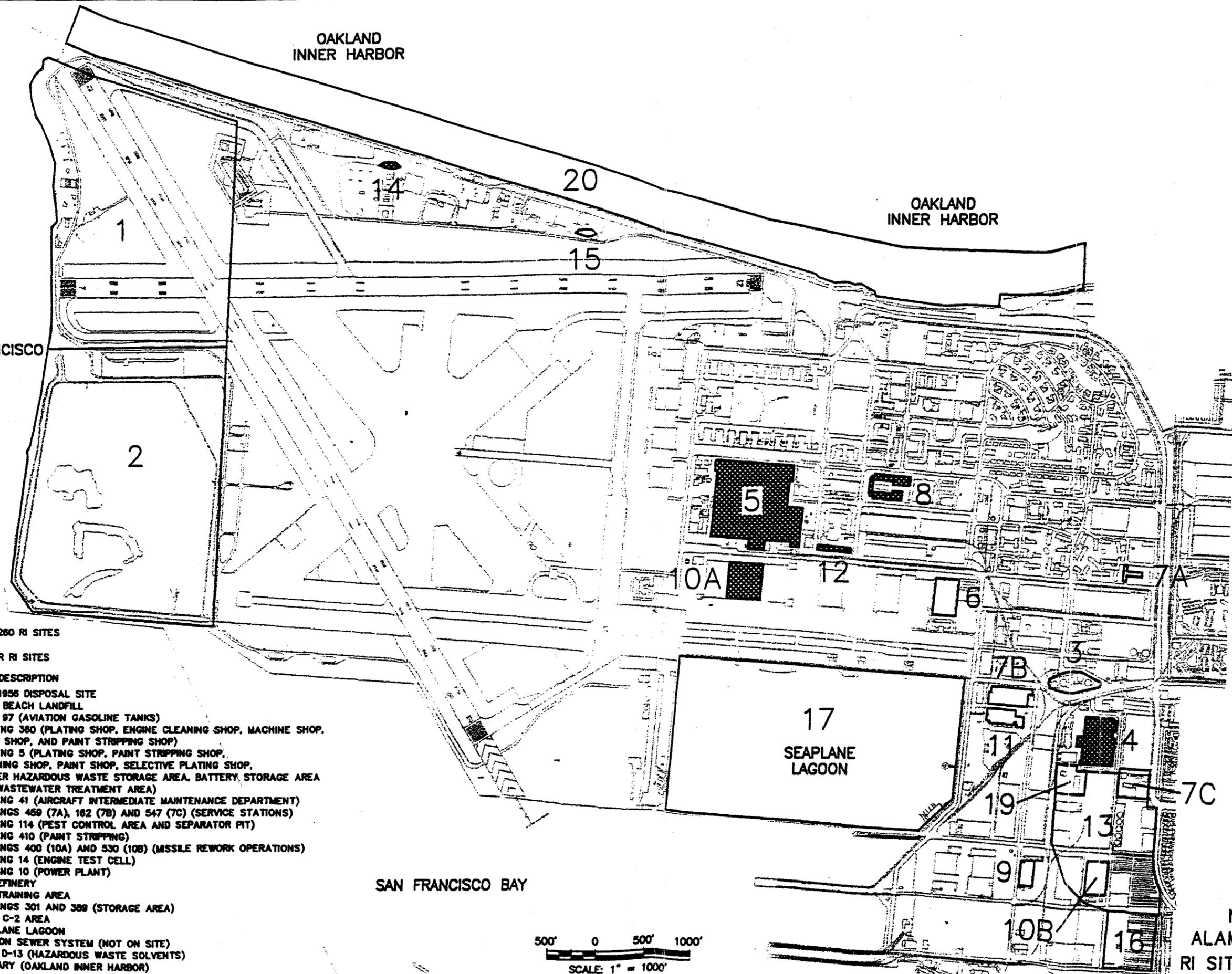
OAKLAND  
INNER HARBOR

OAKLAND  
INNER HARBOR

SAN FRANCISCO  
BAY

SAN FRANCISCO BAY

NAS ALAMEDA  
ALAMEDA, CALIFORNIA  
RI SITES LOCATION MAP



**LEGEND**

-  CTO 280 RI SITES
-  OTHER RI SITES

SITE NO	SITE DESCRIPTION
1	1943-1956 DISPOSAL SITE
2	WEST BEACH LANDFILL
3	AREA 97 (AVIATION GASOLINE TANKS)
4	BUILDING 360 (PLATING SHOP, ENGINE CLEANING SHOP, MACHINE SHOP, PAINT SHOP, AND PAINT STRIPPING SHOP)
5	BUILDING 5 (PLATING SHOP, PAINT STRIPPING SHOP, CLEANING SHOP, PAINT SHOP, SELECTIVE PLATING SHOP, FORMER HAZARDOUS WASTE STORAGE AREA, BATTERY STORAGE AREA AND WASTEWATER TREATMENT AREA)
6	BUILDING 41 (AIRCRAFT INTERMEDIATE MAINTENANCE DEPARTMENT)
7	BUILDINGS 459 (7A), 162 (7B) AND 547 (7C) (SERVICE STATIONS)
8	BUILDING 114 (PEST CONTROL AREA AND SEPARATOR PIT)
9	BUILDING 410 (PAINT STRIPPING)
10	BUILDINGS 400 (10A) AND 530 (10B) (MISSILE REWORK OPERATIONS)
11	BUILDING 14 (ENGINE TEST CELL)
12	BUILDING 10 (POWER PLANT)
13	OIL REFINERY
14	FIRE TRAINING AREA
15	BUILDINGS 301 AND 389 (STORAGE AREA)
16	CANS C-2 AREA
17	SEAPLANE LAGOON
18	STATION SEWER SYSTEM (NOT ON SITE)
19	YARD D-13 (HAZARDOUS WASTE SOLVENTS)
20	ESTUARY (OAKLAND INNER HARBOR)



FILE NAME: E:\ALAMEDA\HITS\MAP.DWG  
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