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15 Feb 1996

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

To: Distribution

Subj: PUBLIC SUMMARY, PARCEL B DRAFT REMEDIAL INVESTIGATION REPORT,
ENGINEERING FIELD ACTIVITY, WEST, NAVAL FACILITIES ENGINEERING
COMMAND, HUNTERS POINT ANNEX, SAN FRANCISCO, CALIFORNIA

Encl: (1) Public Summary, Draft Parcel B Remedial Investigation Report, Engineering Field
Activity, West, Naval Facilities Engineering Command, Hunters Point Annex,
San Francisco, California.

1. Enclosure (1) is the Public Summary for the Draft Parcel B Remedial Investigation Report for
Parcel B at Hunters Point Annex. If you would prefer to review the entire 15 volume report, it is
available at the Anna E. Waden Branch Library, 5075 Third Street, San Francisco CA. or contact
William McAvoy, Code 1832.1. The Public Review Period ends 17 March 1996.

If you have any questions regarding this summary, please contact William McAvoy, Code
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By direction of
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PARCEL B REMEDIAL INVESTIGATION REPORT SUMMARY

As part of its commitment to clean up Hunters Point Annex and transfer the property to the City of San Francisco, the Department of the Navy (Navy) recently completed investigations of the environmental conditions at a 66-acre parcel of the property, referred to as Parcel B. The environmental investigation results are set forth in a report titled "Draft Remedial Investigation Report, Parcel B." This document summarizes the findings of that report. A complete copy of the remedial investigation report consisting of 15 volumes is available to the public in the information repositories located at the City of San Francisco main library and the Anna E. Waden branch library.

Parcel B is in the northeast corner of the installation (Figure 1). Historically, much of Parcel B was used for offices and warehouses. The Navy also had some industrial activities on Parcel B, such as fuel storage and distribution, sandblasting and paint operations, machining, and acid mixing.

Parcel B was investigated in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The Navy identified 18 areas of environmental concern on Parcel B where contaminants may have been released into either the soil or the groundwater. Contaminants were found at various locations throughout Parcel B in soil and groundwater. Petroleum-related compounds, such as diesel and motor oil, were the most frequently detected contaminants in the Parcel B soil and groundwater. Heavy metals, such as lead, arsenic, and beryllium, as well as PCBs and pesticides, were detected at low concentrations in soil at many of the sites. Solvents at low concentrations were detected in soil only occasionally, primarily at four sites.

The field data were then evaluated as part of the risk assessment to determine whether exposure to the contaminants at the concentrations detected would pose a potential risk to humans of the environment. As a means of estimating the human health risks caused by exposure to contaminants, EPA has established an acceptable range of 1 in 1,000,000 to 1 in 10,000 for potential cancer risk and considers a Hazard Index (HI) value of less than one for noncancer risks to be protective of human health.

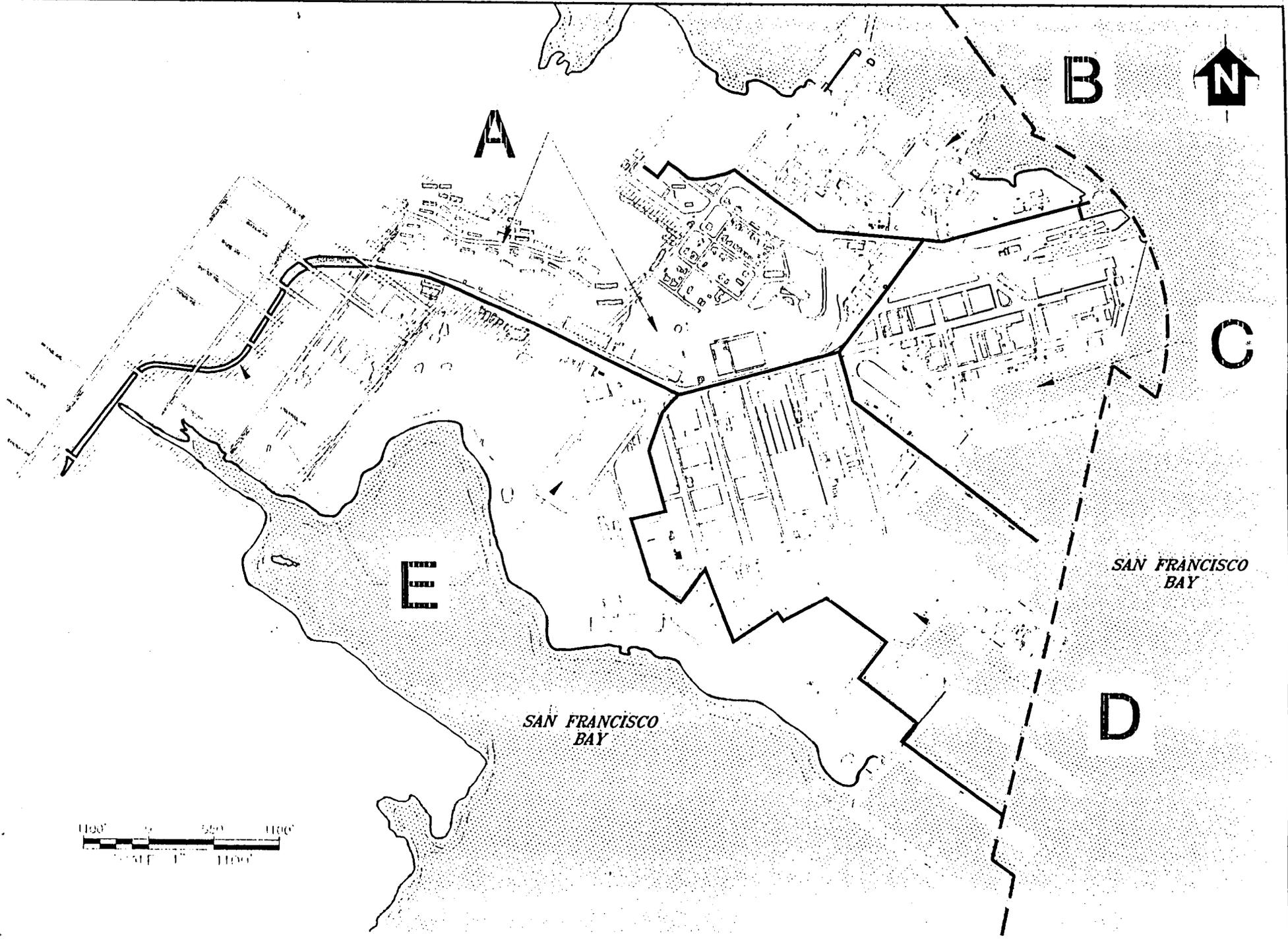
In the human health risk assessment, the Navy calculated current and potential future cancer and noncancer risks from all possible ways of being exposed to the chemicals found in the soil and groundwater. The risk assessment concluded that eight sites pose a potential cancer risk above 1 in 10,000 under at least one of the scenarios evaluated by the Navy. Potential noncancer risks above an HI of 1.0 are present at more than these eight IR sites, the Navy is evaluating the significance of those potential risks. As the Navy continues to refine its risk assessment analysis, the conclusions in the final remedial investigation report will be updated and may differ from the current conclusions in the draft report.

The Navy evaluated the potential risk to the environment, which includes plants and animals, from contaminants found in soil and groundwater. No threatened or endangered species are known to inhabit Hunters Point Annex or its vicinity. Moreover, because most of Parcel B is covered by asphalt, buildings, or other structures, limited plant or animal habitat is available. For these reasons, the contamination does not pose a significant threat to land-dwelling species. In addition, the Navy is currently evaluating the potential risks to several marine plants and animals present that may be at risk from exposure to contamination originating on Parcel B.

The Navy is committed to cleaning up and transferring Parcel B as quickly as possible. After finalizing the remedial investigation report, the Navy intends to complete, by August 1996, a study to identify possible cleanup methods. Once that study is completed, the Navy will select a final site remedy, with input from the regulatory agencies and the community. The Navy estimates that a remedy will be selected in early 1997 and cleanup will begin in mid-1998.

The Navy is attempting to accelerate cleanup at the site. In the spring of 1996, the Navy is scheduled to remove contaminated soil from the area of a former tank farm on Parcel B. During the summer of 1996, the Navy also plans to excavate visually stained surface soils from five locations on Parcel B and to clean out and repair certain Parcel B storm drains to prevent the potential infiltration of contaminated groundwater. The Navy is also evaluating an interim groundwater cleanup action for Parcel B.

As the Navy completes the necessary studies required under CERCLA, and begins to design methods of cleaning up the contamination at Parcel B, there may be job opportunities for the local community.



HUNTERS POINT ANNEX, SAN FRANCISCO, CALIFORNIA

FIGURE 1