

FACT SHEET

Remedial Action at IR Site 17, Seaplane Lagoon Former Naval Air Station Alameda



Alameda, California

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PROJECT CONTACTS

If you have any questions or concerns about environmental activities, please feel free to contact any of the project representatives:

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INTRODUCTION

The Navy is preceding with the final remedial action at Installation Restoration (IR) Site 17, aka, the Seaplane Lagoon. This fact sheet describes the scope of the remedial action

planned to commence in June 2008 located at Alameda Point, Alameda, California. The purpose of the remedial action is to remove impacted sediment from within the northwest and northeast portions of Seaplane Lagoon (SPL). The Navy is conducting environmental actions at Seaplane Lagoon in accordance with the National Contingency Plan (NCP) and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

After completing a remedial investigation, the Navy conducted a feasibility study in 2005 to evaluate potential remedial alternatives for IR Site 17 and prepared a Record of Decision (ROD) to document the selected remedy for the site. The selected remedy consists of dredging, dewatering, and off-site disposal of the impacted sediments at a permitted off-site approved waste disposal facility.

This fact sheet is prepared in accordance with the NCP, 40 CFR 300.435(c)(3).

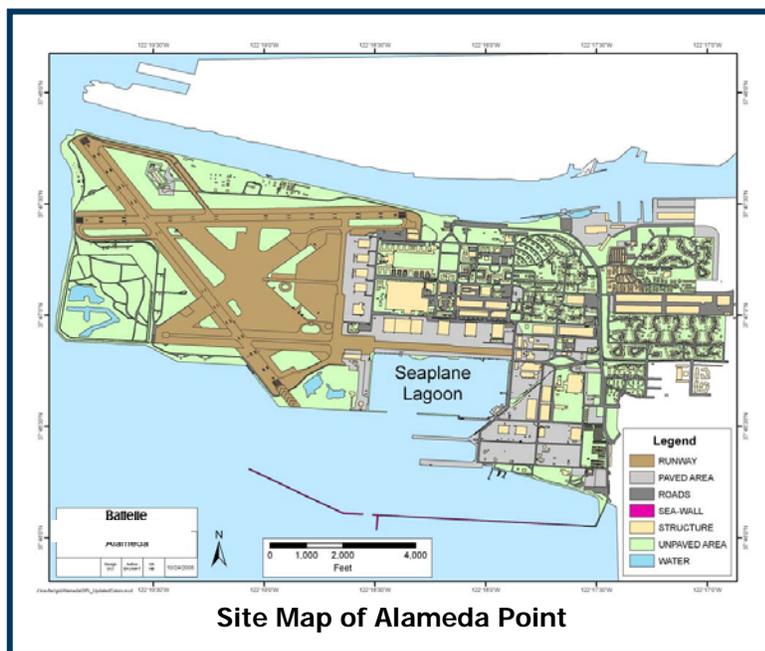
SITE HISTORY

Naval Air Station (NAS) Alameda was an active military installation from the 1930s to the 1990s that primarily provided facilities and support for fleet aviation activities.

IR Site 17 was used by the DON for a variety of water-related activities, throughout the history of the NAS. From the 1940s to 1975, industrial wastewater and stormwater generated at the former NAS Alameda was discharged directly into a network of storm drains and carried, in part, into IR Site 17 through storm sewer outfalls. The outfalls located in the northeast and northwest corners of the lagoon were the primary sources of impacts to the sediments.

Regulatory Agencies Concur on Cleanup Plan

The Navy and its cleanup partners, the U.S. Environmental Protection Agency, the California Department of Toxic Substances Control, and the San Francisco Bay Regional Water Quality Control Board concurred with the selected remedy presented in the Final Record of Decision. Concurrence was based in part on a feasibility study that was conducted to develop and evaluate alternatives for site cleanup. The regulatory agencies also recently reviewed and approved the Final Remedial Design and Remedial Action Work Plan for cleanup of IR Site 17.



Site Map of Alameda Point

SITE DESCRIPTION

Results of investigations at IR Site 17 found that the current conditions at the site pose a potential risk to human health and the environment. Total polychlorinated biphenyl (PCB) was the only chemical for which risks were elevated above both the risk range and reference conditions for human health. Total PCBs, cadmium, chromium, lead, and Total DDx (the sum of 4,4'-dichlorodiphenyldichloroethane [DDD], 4,4'-dichlorodiphenyldichloroethene [DDE], and 4,4'-dichlorodiphenyltrichloroethane [DDT]) were the primary risk drivers identified for ecological receptors. Specifically, sediments within the northern corners of the lagoon are associated with potential unacceptable risks to both human health and the environment. The remediation areas encompass approximately 8 acres (4.9 acres in the northeast corner and 2.9 acres in the northwest corner) down to a depth of 4 feet.

CLEANUP ACTION

The selected remedy as outlined in the ROD consists of dredging, dewatering, and off-site disposal of impacted sediments at a permitted off-site facility.

The primary objective of the remedial action is to remove impacted sediments from this site and thereby protect the public health and welfare and the environment from actual or threatened releases of pollutants, contaminants, or hazardous substances. The selected remedy entails dredging in the northeast and northwest corners of the lagoon to a uniform depth of 4 feet (ft) in addition to 1-ft over dredge allowance to ensure that the design removal is achieved.

Construction activities will include sediment removal from the lagoon, dewatering of the dredged material, radiological screening of the sediments when appropriate, and wastewater treatment. Approximately 63,000 cubic yards of impacted sediments will be removed. Upon completion of dredging activities, confirmatory sediment sampling and analysis will be performed to demonstrate that all targeted sediments have been removed from the site, as planned. Demobilization activities consist of transportation and off-site disposal of contaminated sediment at appropriate landfill facilities, treatment of decontamination wastewater and water drained from the dredged sediment, site restoration, and demobilization of all equipment and materials.

TRAFFIC IMPACTS

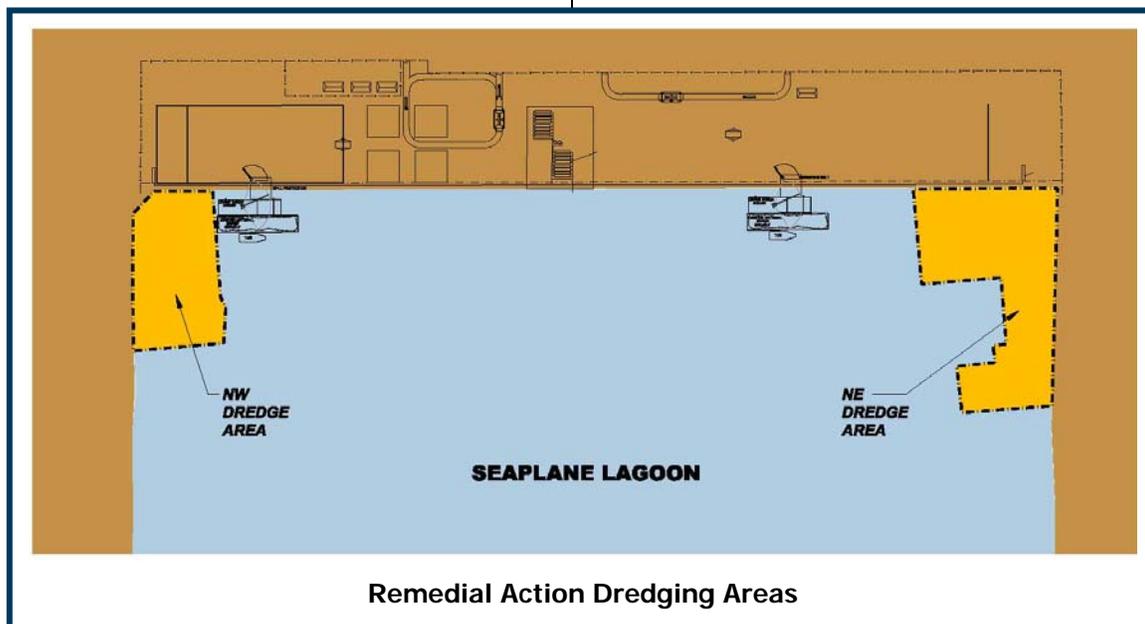
Approximately 25 to 30 vehicles per day over the life of the project will be associated with the remedial activities at the facility. The most significant traffic increase will occur when contaminated material is being transported off-site. This may involve transport of up to 50 truck loads per day. Based on the city of Alameda's traffic data, it is estimated that the project will not have a notable impact on the existing traffic conditions in the area.

PROJECT SCHEDULE

The anticipated time to complete the field activities associated with the remedial action at IR Site 17 is approximately 12 months (June 2008 through June 2009).



Example of "environmental" type clamshell bucket that will be used for dredging sediments



Remedial Action Dredging Areas

INSIDE...

Remedial Action Update for Installation Restoration Program Site 17 Seaplane Lagoon Former Naval Air Station Alameda

FOR MORE INFORMATION

Documents that detail activities associated with this remedial action, including the remedial design and remedial action workplan are available at the following locations:

Alameda Main Public Library
(Historic Alameda High School)
2220-A Central Avenue
Alameda, California

Alameda Point, Former NAS Alameda
950 West Mall Square, Suite 240
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