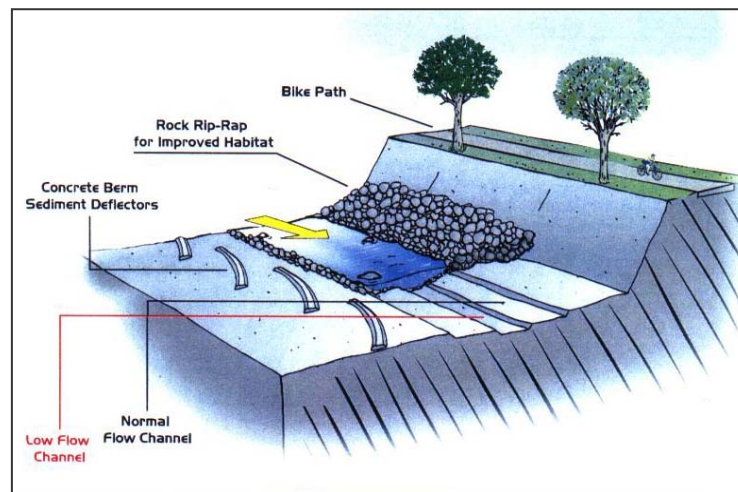
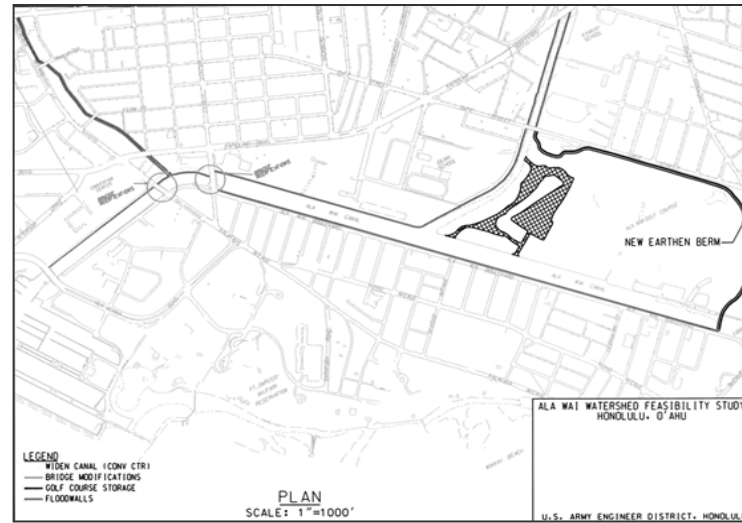


## PRELIMINARY PROJECT CONCEPTS

### Flood Mitigation

- Dredge the Canal deeper
- Erect flood walls around the Canal
- Modify bridge openings
- Provide flood detention basins
- Widen the lower section of the Ala Wai Canal



### Ecosystem Restoration

- Stream channel modifications
- Riparian re-vegetation
- Stream bank stabilization
- Sediment basin and check dam construction
- Debris catchment and energy dissipation feature installation
- Maintenance accessibility and enhancement

## MILESTONES

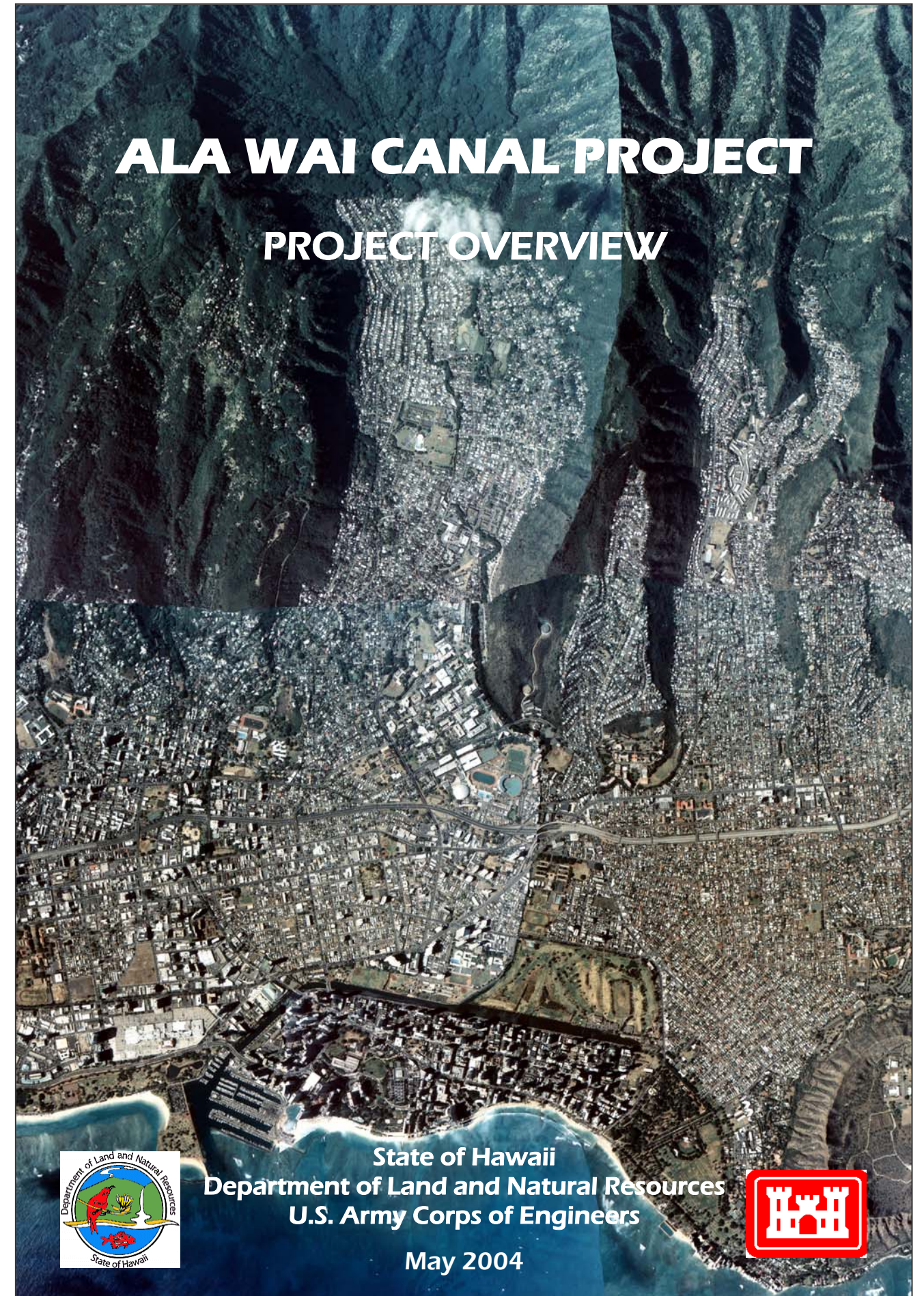
Draft Feasibility Study Report/EIS.....	early 2005
Final Feasibility Study Report/EIS.....	early 2006
Recommendation to Congress for Funding.....	2007

#### Project Team:

State of Hawaii Department of Land and Natural Resources  
 U.S. Army Corps of Engineers  
 City and County of Honolulu Department of Environmental Services  
 Honolulu Board of Water Supply

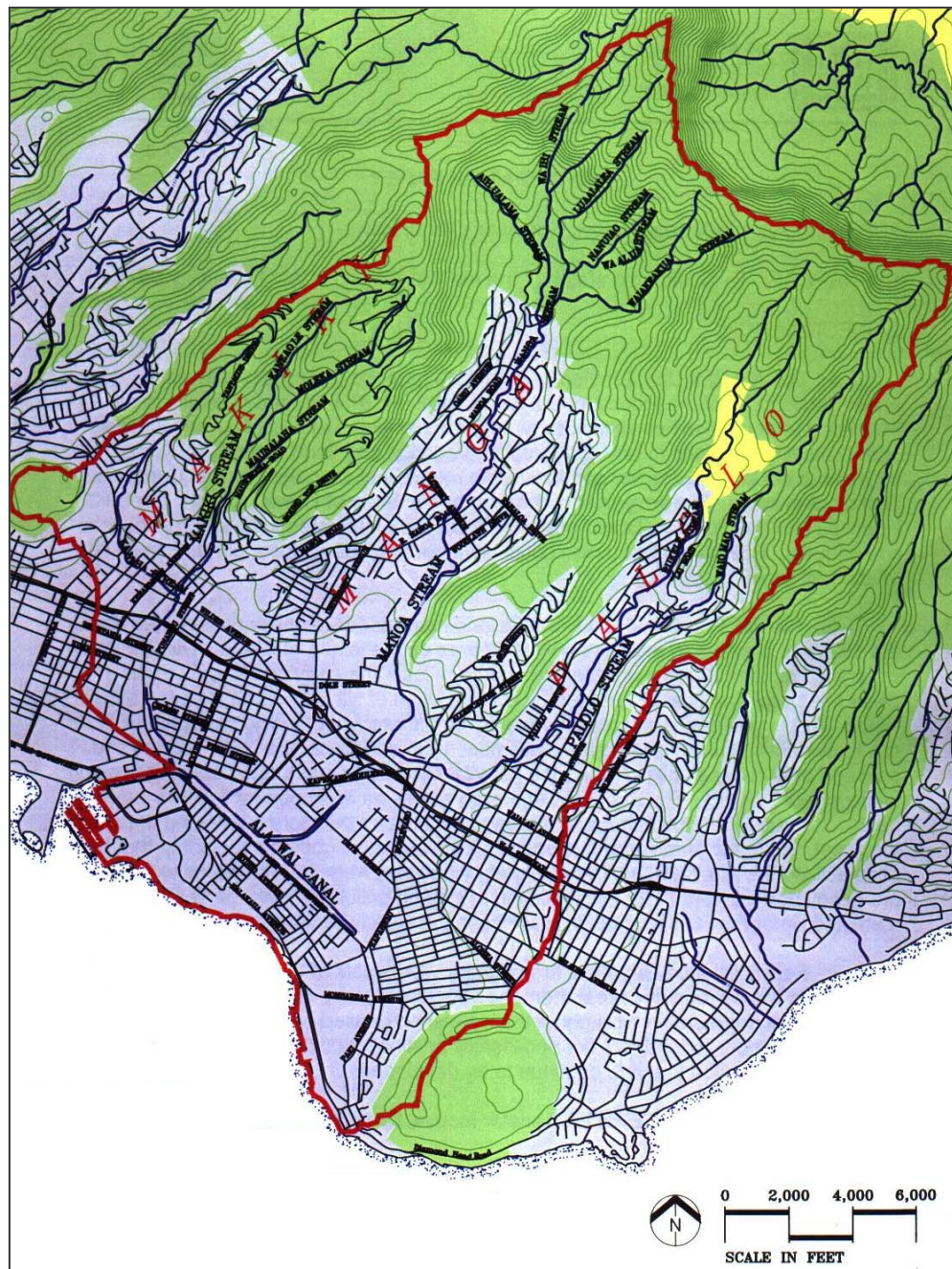
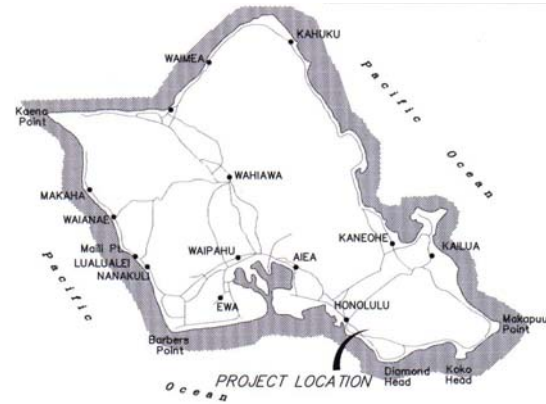
#### Consultants:

Oceanit \* Townscape, Inc. \* Eugene P. Dashiell, AICP



## PROJECT LOCATION

The Ala Wai Watershed is located in the southeastern sector of the island of Oahu and includes the sub-watersheds of Makiki, Manoa, and Palolo, as well as Waikiki. The entire 11,069-acre project area drains into the Ala Wai Canal, which was constructed in the 1920's.



## PROJECT DESCRIPTION

### Problem Statement

**Flood Hazards:** There is a high potential for flood damage to the densely populated and economically important areas of Waikiki, McCully, and Moiliili.

**Ecosystem Degradation:** Streams within the watershed are characterized by significant environmental degradation, including heavy sedimentation, poor water quality, lack of habitat for native species, and prevalence of alien species.



Channelized streams result in poor habitat for native species such as o'opu.

### Project Purpose

**Flood Mitigation:** To reduce or prevent flood damages to the low-lying areas of the Ala Wai Watershed.

**Ecosystem Restoration:** To restore aquatic and riparian habitat to a more natural state capable of supporting the native species that once flourished in the watershed.

