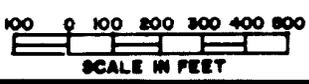
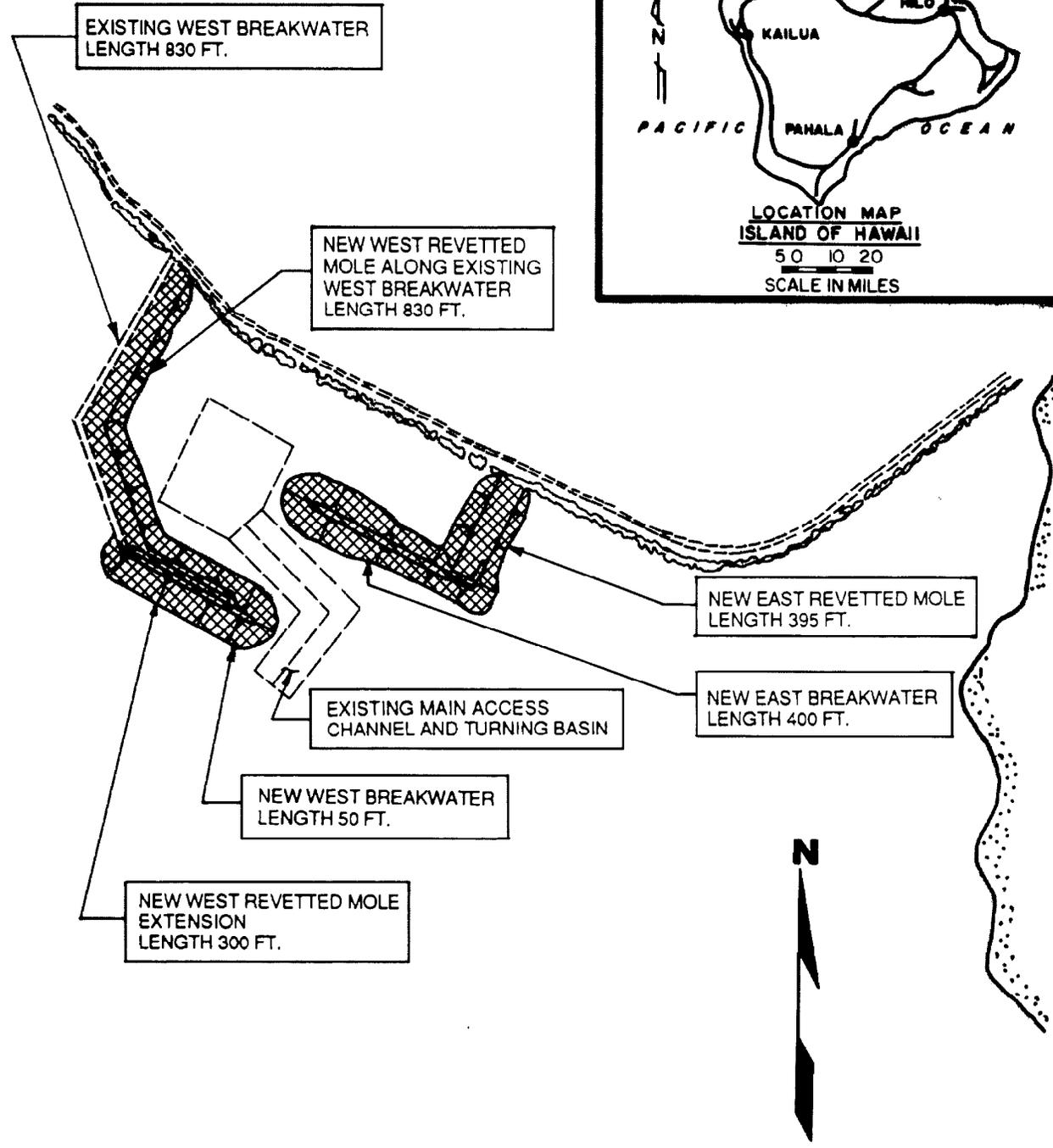


LOCATION MAP  
ISLAND OF HAWAII  
5 0 10 20  
SCALE IN MILES



KAWAIIHAE SMALL BOAT HARBOR  
HAWAII, HAWAII

REVISED: 4 SEPT. 1991  
DATE AUTH.: 27 OCT. 1965

U.S. ARMY  
ENGINEER DIVISION, PACIFIC OCEAN  
CORPS OF ENGINEERS

## KAWAIIHAE SMALL BOAT HARBOR, HAWAII, HAWAII

### CONDITION OF IMPROVEMENT 30 SEPTEMBER 1993

**PREVIOUS PROJECTS:** None.

**EXISTING PROJECT:** Authorized by the River and Harbor Act of 27 October 1965. Provides for a wave absorber 1,075 feet long at the inner end of the basin; an access channel 900 feet long, 80 to 100 feet wide and 8 to 10 feet deep for a small boat harbor; and a mole 190 feet long. The proposed small boat harbor plan of improvement provides mooring for 90 commercial craft and consists of an 850 foot long, 120 foot wide and 12 foot deep entrance channel; a 1.2 acre 12 foot deep existing turning basin; a 640 foot long, 80 foot wide and 8 foot deep access channel; a 400 foot long wave absorber and a 2.5 acre 650 foot long revetted offshore island.

### PROGRESS OF WORK

**Completed and Under Maintenance:** A new small boat harbor site was selected for a high explosive R&D study, code name Project TUGBOAT, by Nuclear Cratering Group. An entrance channel 850 feet long, 120 feet wide and 12 feet deep; a turning basin 200 feet by 200 feet, 12 feet deep; and a breakwater 850 feet long were constructed under Project TUGBOAT in June 1971.

**Work Remaining:** General Design Memorandum (No. 1 for deep draft and light draft harbors) was approved by OCE on 17 June 1968. Subsequently, the State of Hawaii has requested that the small boat harbor be relocated outside the deep draft basin southeast of the existing spoil area. A post authorization change was approved on 9 February 1972. A revised design memorandum for the relocated light draft harbor was completed in August 1971 and approved on 9 February 1972. An ocean current study was completed in January 1974. Preconstruction engineering and design initiated in October 1988 is 90 percent complete. Construction contract is scheduled for award in FY 1994.

### COST OF CONSTRUCTION:

	<u>New Work</u>
United States Funds	
Corps of Engineers	\$7,600,000
Coast Guard	10,000
Contributed Funds	
Required	845,000
Other	<u>10,000</u>
Total Estimated Costs (1993)	\$8,465,000

**RANGE OF TIDES:** The range of tide between mean lower low water and mean higher high water is 2.0 feet. The extreme range is 4.5 feet.