



1. Project Name: Kahului Deep Draft Harbor

2. Date of Inspection: March 3, 2009

3. Inspection Personnel:

<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
Dan Meyers	COE	438-8875
Justin Pummell	COE	438-7038

4. Discussion:

A cursory inspections of the East B/W, and the West B/W was conducted. The primary purpose on the site visit was to install benchmarks prior to hydrographic surveys. After to the inspection we met with Mr. Stephen Pfister, Harbor Master, Kahului DDH, 873-3352. See photographs below:





### **EAST BREAKWATER**



Overview of breakwater at Sta. 8+00, no changes noted.

### **WEST BREAKWATER:**



a. Sta. 20+87 , no damages noted.



b. Sta. 21+42, no damages noted.

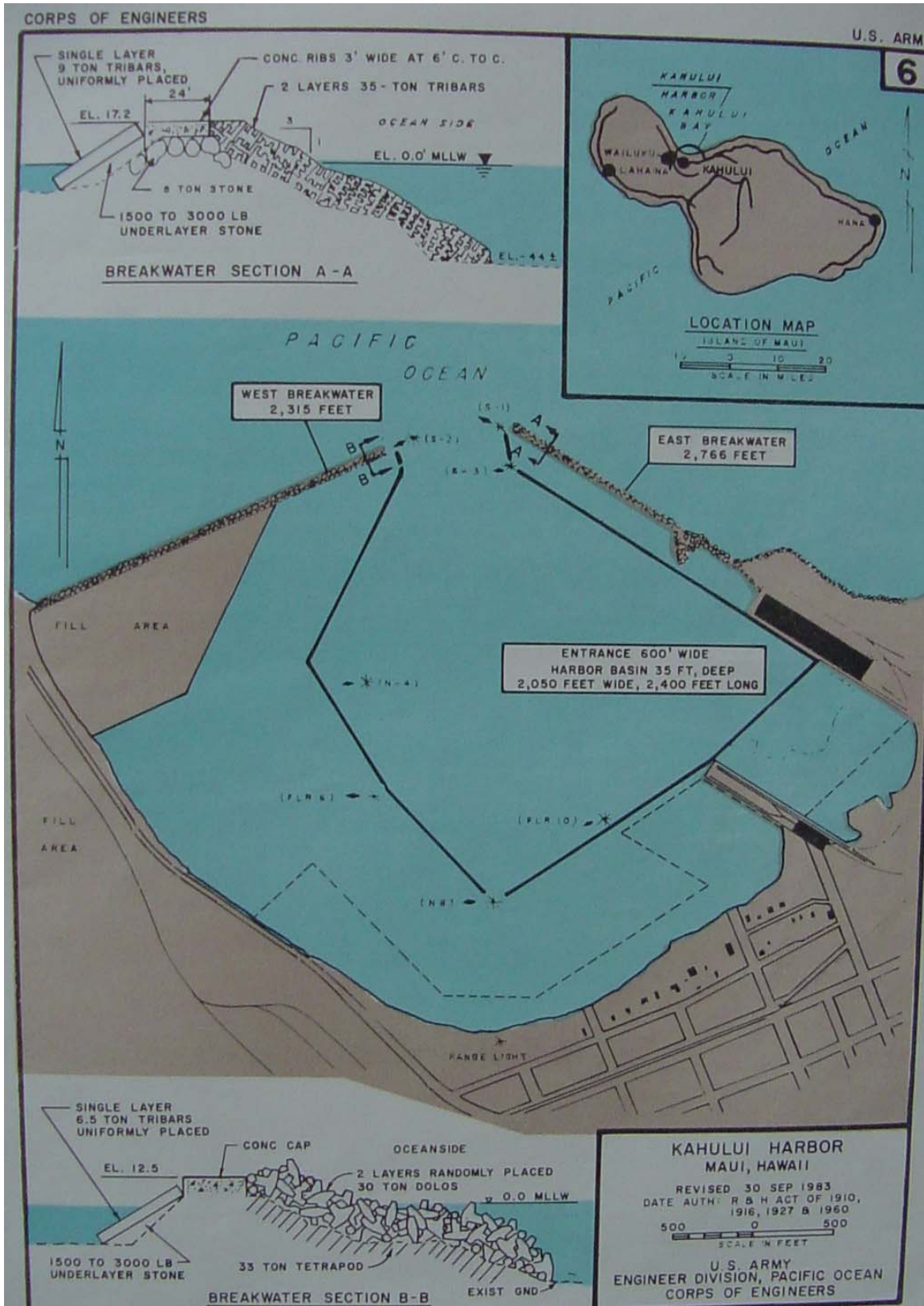
##### 5. Conclusion:

Both breakwaters are continuing to show signs of dolo movement and sideslope settling, particularly on the OS of the West B/W at Sta. 9+70, between Sta. 22+50 – Sta. 23+00; and on the OS of the East B/W at Sta. 26+00 and Sta. 29+00. These areas of deterioration need to be monitored and compared to previous photographs annually. The structure remains serviceable. Navigation aids are in good condition. The East B/W is in Good condition but the West B/W continues to deteriorate, its condition is Fair.

Signed: \_\_\_\_\_  
Dan Meyers, CEPOH-EC-T

Signed: \_\_\_\_\_  
Steve Yamamoto, P.E. Chief, CEPOH-EC-T

Attached:  
Project Index Map  
Info Paper  
BM Map





KAHULUI HARBOR, MAUI, HAWAII

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1991

PREVIOUS PROJECTS: Authorized by the River and Harbor Acts of 25 June 1919, 27 July 1916, and 21 January 1927.

EXISTING PROJECT: Authorized by the River and Harbor Act of 14 July 1960. Provides for an east rubblemound breakwater 2,766 feet long; a west rubblemound breakwater 2,315 feet long; an entrance 600 feet wide between the breakwaters; and a harbor basin 2,400 feet long, 2,050 feet wide and 35 feet deep.

PROGRESS OF WORK

Completed and Under Maintenance: All improvements authorized prior to 1960 were completed in 1931. Work authorized by the Act of 1960 was completed in 1962, except the removal of a rocky shoal area in the northeast edge of the basin which was completed in 1966. Rehabilitation of breakwater was completed in 1966; rehabilitation of breakwater damages was completed in 1969 and breakwater damages repaired in 1973 and 1977. Major rehabilitation of the breakwater was completed in December 1983. Last maintenance dredging was completed in April 1990; total material dredged was 58,000 cubic yards.

Work Remaining: None.

COST OF CONSTRUCTION:

	<u>New Work</u>	<u>Maintenance</u>	<u>Rehabilitation</u>	<u>Total</u>
<u>Completed Works:</u>				
United States Funds	\$2,388,693	\$7,287,654	\$4,814,528	\$14,490,875
Contributed Funds				
Required	<u>30,200</u>	<u>0</u>	<u>0</u>	<u>30,200</u>
Total Costs	\$2,418,893	\$7,287,654	\$4,814,528	\$14,521,075

RANGE OF TIDES: The range of tide between mean lower low water and mean higher high water is 2.5 feet and the extreme range is 4.8 feet.