

O & M INSPECTION REPORT  
FOR NAVIGATION AND SHORE PROTECTION PROJECTS

1. PROJECT NAME: Barbers Pt. DDH
2. DATE OF INSPECTION: May 3, 2002
3. INSPECTION PERSONNEL:

Dan Meyers	COE	438-8875
James Finney	COE	438-2815

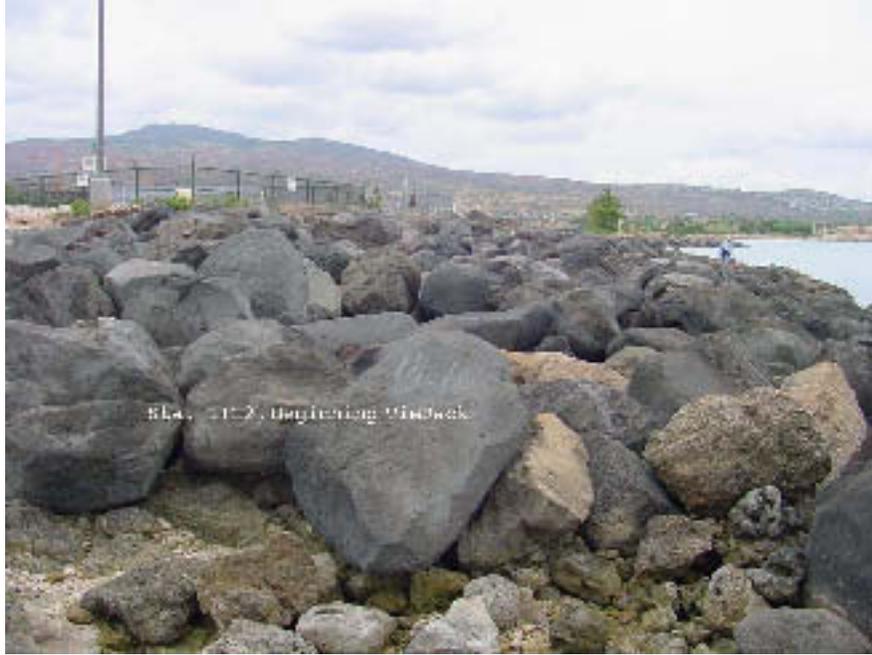
4. DISCUSSION:

The project consists of 2 ea. Wave Absorbers the Entrance Channel Wave Absorber begins at Sta. 1+12 and ends at Sta. 38+00. The Barge Basin Wave Absorber begins at Sta. 0+00 and ends at Sta. 9+00.

**ENTRANCE CHANNEL WAVE ABSORBER** : Sta. 1+00 - Sta. 38+00:

Reference Locations:

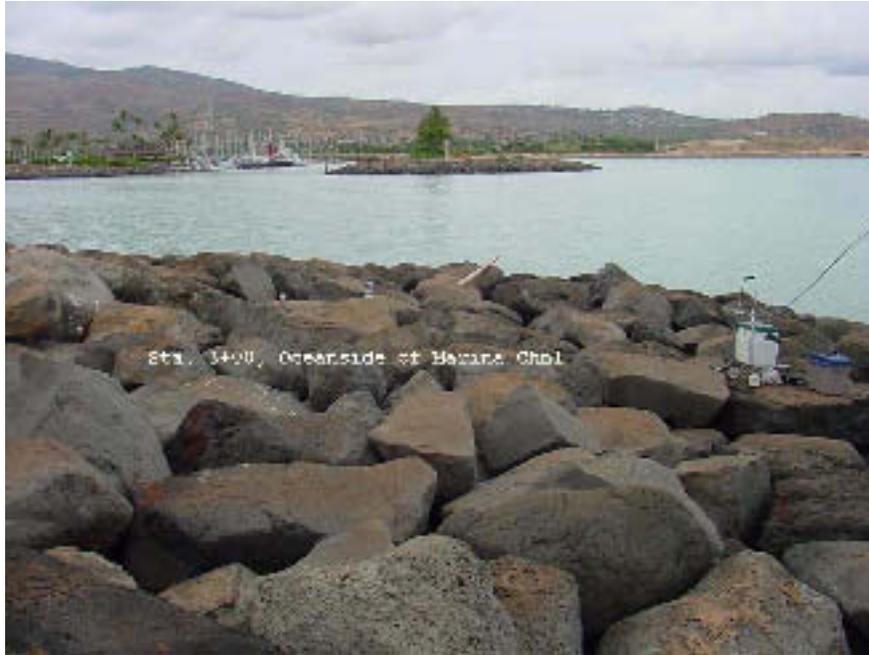
Light Pole Number	Wave Absorber Station No.
1	7+49
2	8+99
3	10+09
4	11+71
5	13+24
6	14+71
7	16+20
8	17+73
9	19+27
10	20+59
11	22+26
12	23+75
13	25+34
14	26+82
15	28+30
16	29+80
17	32+59
18	34+08
19	35+37



Sta. 1+12, Beginning of the Wave Absorber's TieBack.



Sta. 1+12, Beginning of the Wave Absorber's TieBack.



Sta. 3+00, Overview of the Ko Olina Marina's Channel.



Sta. 6+00, Overview of the wave absorber.



Sta. 13+24, 1 ea. Split armor stone.



Sta. 16+00, Poor quality coral limestone (very weathered).



Sta. 16+00, End Type II wave absorber and begin Type III wave absorber.



Sta. 19+27, Overview of the wave absorber.



Sta. 20+26, Overview of the wave absorber.

**BARGE BASIN WAVE ABSORBER :** Sta. 0+00 to Sta. 9+00



Overview of the Barge Basin Wave Absorber.



Sta. 0+00 - Sta. 4+00, 2-3 ea. Armor stones have "rolled" down the sideslope, no obvious voids. No problem noted. Scrap material being stored on wave absorber, have the owner at Merisco, Fred Anawatri, 682-1333 remove it.



Non-Federal revetment / wave absorber connecting to COE structure.



Sta. 0+75 to Sta. 1+25, Overview of the wave absorber.



Sta. 3+00, Overview of armor stones, placement is random but good.



Sta. 6+00, Located adjacent the entrance channel. Sta. 9+00 is adjacent the floating drydock.

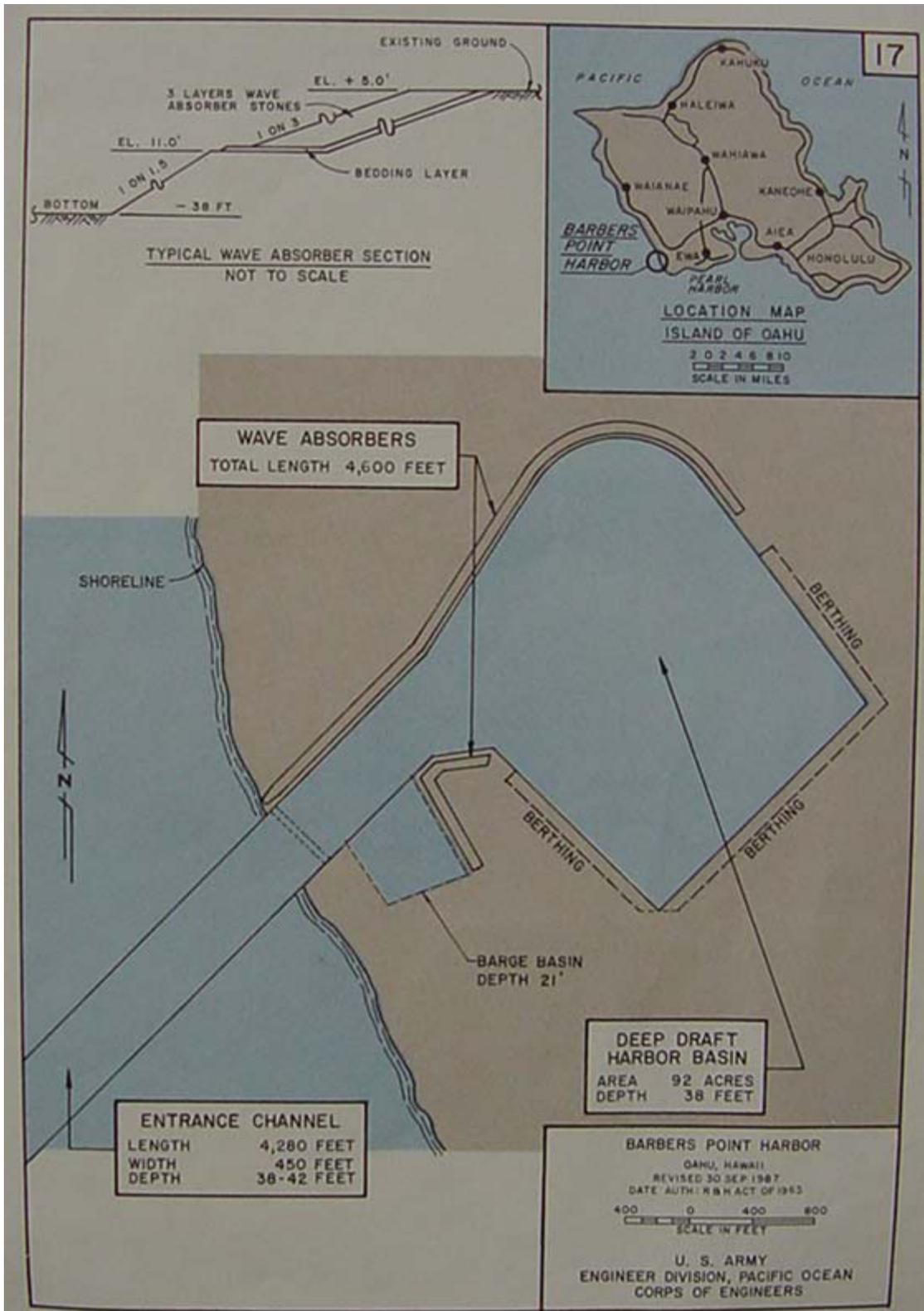
5. Conclusion:

Both wave absorber structure are in GOOD condition. Have owner remove scrap from the Barge Basin Wave Absorber.

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

Signed: \_\_\_\_\_  
Jim Pennaz P.E., Ch, CEPOH-EC-T

Attached:  
BW Reach Plan  
Project Index Map



## BARBERS POINT HARBOR, OAHU, 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 Deep-Draft Harbor comprising an offshore entrance channel 4,280 feet long, 450 feet wide, and 38 to 42 feet deep; an inshore harbor basin with an area of about 92 acres and 38 feet deep; wave absorber structures of 4,600 linear feet; and a small boat harbor comprising of a main access channel 1,200 feet long; 80 feet (minimum) wide and 12 feet deep, and wave absorber structures of 300 linear feet. The small boat harbor has been deleted at the request of the State.

### PROGRESS OF WORK

**Completed and Under Maintenance:** A Regional Visitor Center at Fort DeRussy was completed and opened to the public in June 1983. Cost of construction included construction of the shell (\$708,481 which included \$24,118 in military funds for repair of the roof) and exhibit production (\$185,637). A construction contract awarded in March 1982 was completed in August 1985. A harbor beautification and revetment contract awarded in May 1989 was completed in July 1990 for \$589,000.

**Work Remaining:** Annual operations and maintenance of the Regional Visitor Center.

### COST OF CONSTRUCTION:

	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
<b>Completed Works:</b>			
United States Funds			
Corps of Engineers	\$53,521,100	\$563,548	\$54,084,648
Coast Guard	344,011	0	344,011
Contributed Funds			
Required	2,415,314	0	2,415,314
Other	<u>3,013,680</u>	<u>0</u>	<u>3,013,680</u>
Total Costs	\$58,950,094	\$563,548	\$59,513,642

**RANGE OF TIDES:** The range of tide between mean lower low water and mean higher high water is 1.8 feet. The extreme range is 2.3 feet.