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**CONTINUING ELIGIBILITY INSPECTION (CEI)  
REPORT**

**FOR HURRICANE & SHORE PROTECTION PROJECTS  
Honolulu Engineer District  
CEPOH-EC-T**

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1. Project Name: Kekaha Shore Protection Project

2. Date of Inspection: September 24, 2009

3. Inspection Personnel:

	<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a.	Dan Meyers	COE	438-8875
b.	Willy S. Ortal	State DOT, Kauai District	635-3617

4. Ratings for FY09

Project Rating: "MS, Marginally Satisfactory"  
Project Condition Code: "MA, Minimally Acceptable"  
Project Status: "Active"

The project consists of 6,250 LF of rubble revetment 2 layers of 1.5 to 2.5 T armor stone, with a crest elevation of +12' MLLW. In the past few years a large portion of the adjacent beach sand has moved exposing the previously covered revetment.

A list of the deficiencies and recommendations follows:

Field Reference:

Structure Begins = Sta. 3+00  
Akialoa Rd. = Sta. 24+00  
Akekeke Rd. = Sta. 32+50  
Amakihi Rd. = Sta. 40+50  
Alae Rd. = Sta. 48+00  
Kala Rd. = Sta. 61+50  
End Project = Sta. 62+50



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a. Sta. 3+00, Overview, remove woody vegetation.



b. Sta. 6+22, Relocate lifeguard stand, locked portable toilet, waterline from structure and remove all woody vegetation.



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*Kekaha09rpt-spp.doc*



c. Sta. 9+00, Overview.



d. Sta. 11+50, Overview, cut grasses, Reference Call Box # 506269.



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e. Sta. 11+85, Overview, monitor armor stones post storm event.



f. Sta.14+90, 1 Perched armor stone with void, monitor this area.



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g. Sta. 15+38, Overview, perched armor stone, monitor this area.



h. Sta. 16+70, 1 flipped armor stone, monitor this area.



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- i. Sta. 23+00, Remove three coconut trees and 2 ti plants.



- j. Sta. 30+00, 1 pershed armor stone, monitor this area.



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k. Sta. 32+50, Overview, Ref: Akekeke Rd.



l. Sta. 40+50, Overview, Remove woody vegetation, Ref: Amakihi Rd.



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m. Sta. 48+00, Overview, Remove woody vegetation, Ref: Alea Rd.



n. Sta. 60+00, Overview





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- o. Sta. 62+00, Overview, remove 2ea. Juvenile coconut trees.

## 5. Findings / Conclusions:

Continue to monitor the revetment, approx. 2,000 LF of revetment has been exposed which was previously covered by sand. The primary maintenance required is the removal of all woody vegetation from the structure.

IAW ER 500-1-1, ( dtd 30 September 2001 ), and based on this CEI, the Project Condition Code is minimally acceptable and the Project Status is Active in the Rehabilitation and Inspection Program.

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

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

## Enclosure(s)

1. Reference Photos
2. Site Plans



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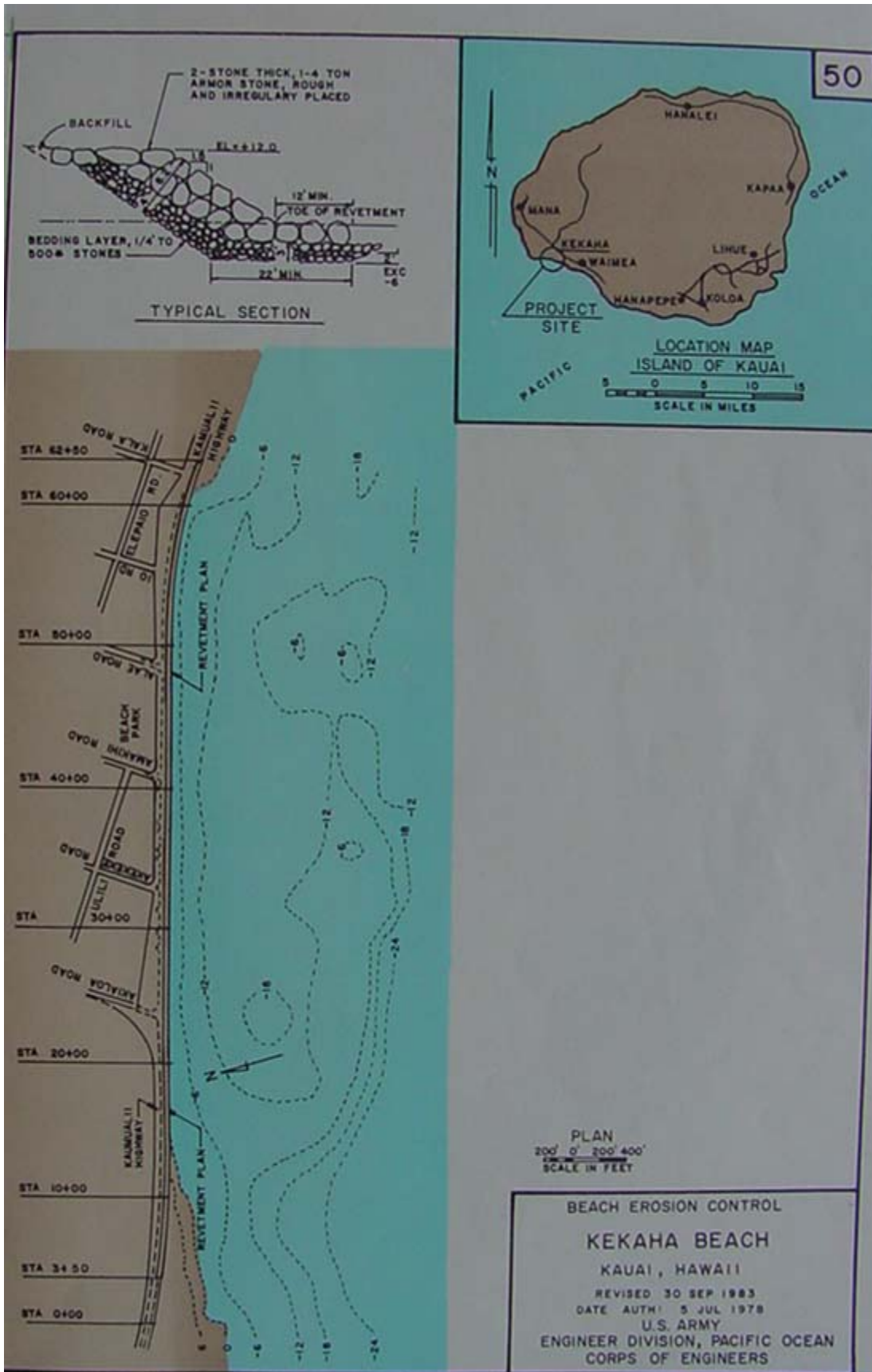
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KEKAHA BEACH, KAUAI, HAWAII

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1989

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized for construction on 5 July 1978 under Section 103a of the River and Harbor Act of 1962, as amended. Provides for construction of 6,250 feet of rubble revetment with a crest elevation of 12 feet MLLW and a slope of 1V to 1.5H, constructed of two layers of armor stones 1.5 to 2.5 ton, underlayer of 300-500-pound stone placed on a bedding of spalls to 50-pound stone.

PROGRESS OF WORK

Completed and Under Maintenance: The project was completed in May 1980. On 23 November 1982, Hurricane Iwa caused damages to the existing revetment. A construction contract for emergency repairs under Public Law 84-99 was completed in October 1983.

Work Remaining: None.

COST OF CONSTRUCTION:

	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
<u>Completed Works:</u>			
United States Funds	\$ 931,600	\$375,000	\$1,306,600
Contributed Funds (Required)	<u>1,672,524</u>	<u>0</u>	<u>1,672,524</u>
Total Costs	\$2,604,124	\$375,000	\$2,979,124

RANGE OF TIDES: The range of tide between mean lower low water and mean higher high water is 1.6 feet.