



CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT

FOR FLOOD CONTROL WORKS

Honolulu Engineer District

CEPOH-EC-T

Iao04rpt-fcp.doc

1. Project Name: Iao Stream FCP
2. Date of Inspection: October 30, 2003
3. Inspection Personnel:

Name	Agency/Office	Telephone No.
a. Dan Meyers	CEPOH-EC-T	438-8875
b. Rick Oleniacz	CEPOH-EM	438-1981
c. Leonard Costa	DPW, Division Supervisor	270-7869
d. Eddie Emoto	DPW	270-7869

4. Discussion:

The project: Iao Stream FCP is located in Wailuku, Maui, authorized by the Flood Control Act of 1968. The project was completed in 1980 and provides for a debris basin about 2.5 miles upstream of the mouth of Iao Stream, channel improvements from the debris basin to about 1,100 liner feet downstream of Market Street Bridge, diversion levees and channel improvements to the Waiehu Bridge. Maintenance deficiencies were noted and suggestions were made to the DPW representatives. These deficiencies and suggestions are listed below.

FY04 CEI Ratings

Project Rating: "S, **Satisfactory**"

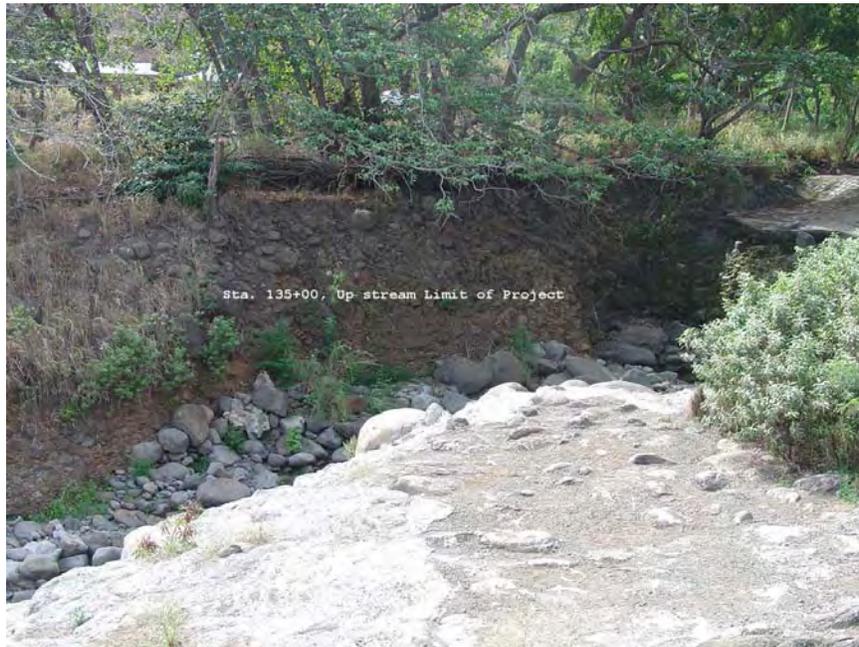
Project Condition Code: "A, **Acceptable**"

Project Status: "**Active**"





Levee I and Debris Basin:



a. Sta. 135+00, Left Bank (LB), upstream of the debris basin, overview of the grouted rock slope protection.



b. Sta. 130+50, LB, Overview of Levee I, and debris basin.



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c. Sta. 133+00, Right Bank (RB), remove vegetation from sideslope.



d. Sta. 127+00, RB, remove vegetation from toe of sideslope.



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Levee H:

NOTE : Drop apron # 1 = Sta. 119+00



e. Sta. 119+00, RB, remove vegetation from top of sideslope.

NOTE : Drop apron # 2 = Sta. 114+50



f. Sta. 115+00, RB, new barricades fabricated and installed to control unauthorized access.



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NOTE : Drop apron # 3 = Sta. 109+75



g. Sta. 96+75, RB, eroded invert below drop structure repaired.



h. Sta. 93+25, RB-side of invert, repair invert.



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Levee G:



- i. Sta. 87+50, RB side of stream, vegetation cleared.



- j. Sta. 87+50, sideslope restored.



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k. Sta. 87+00, culvert cleared.



l. Sta. 85+00, culvert repaired, Overview of NRCS channel.



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m. Overview of stream (facing downstream of levee G)

Levee F:



n. Interior Sideslope of levee, remove tree.



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o. Overview, woody vegetation has been removed, continue to maintain sideslope.

Levee E:

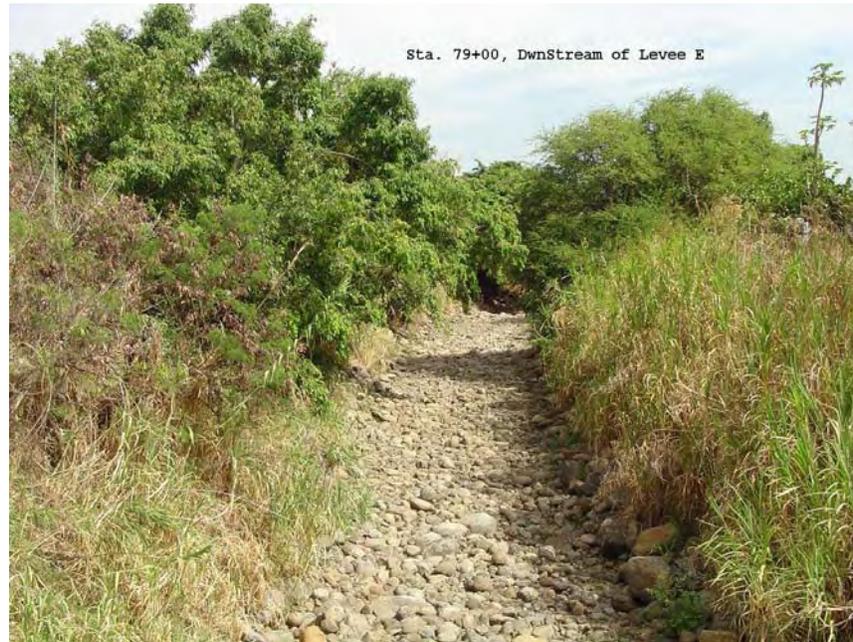


p. Sta. 79+36, RB, the toe of the levee has eroded, continue to stockpile river rocks at the toe, cut vegetation at the top 1/2 of the sideslope.



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q. Sta. 79+00, overview (facing downstream of Levee E)

Levee D:



r. Sta. 64+70, RB, monitor this area for vegetation, no woody vegetation permitted.



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s. Sta. 58+00 remove tree.

Levee C:



t. Overview of levee C, LB & RB.



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Revetment X:



u. Sta. 35+50, RB, Monitor eroding sideslope.

Note. Approximate Sta. 55+20 = Revetment "X" Sta. 6+50, 48" RCP drain line referenced from drawing, "Iao Stream Flood Control Project Revetment X Plan Profile and Typical Sections", dated June 17, 1980, sheet 7A, location code 7990-03, class 16 type 02 section 02.

Approximate Sta. 45+00, RB, remove vegetation from two 54" RCP drain lines within levee B referenced from "Iao Parkside" drawings, sheet 11, dated December 4, 1992, Job No. 90044, by Warren S. Unemori Engineering Inc.



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Levee B:



v. Sta. 21+00, RB, vegetation have been removed from the townside of levee B.

LEVEE A:



w. Sta. 19+65, RB, rocks and vegetation have been removed under Waiehu Bridge and beyond.



Concrete Channel - Stream Realignment



x. Approximate Sta. 18+50, RB, remove rocks and vegetation from channel bottom.



y. Approximate Sta. 4+76, end of channel bottom.



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5. Findings/Conclusions:

In accordance with EP 500-1-1(dated 30 September 2001), and based on this CEI, the Project Rating Code is "S, Satisfactory". The project condition code is "A, ACCEPTABLE", and the project status is considered "ACTIVE" in the Rehabilitation and Inspection Program.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
James Pennaz, P.E., Chief, CEPOH-EC-T

Enclosure(s)

1. Site Plan
2. As-Built Plan
3. Fact Sheet, dated June 2002



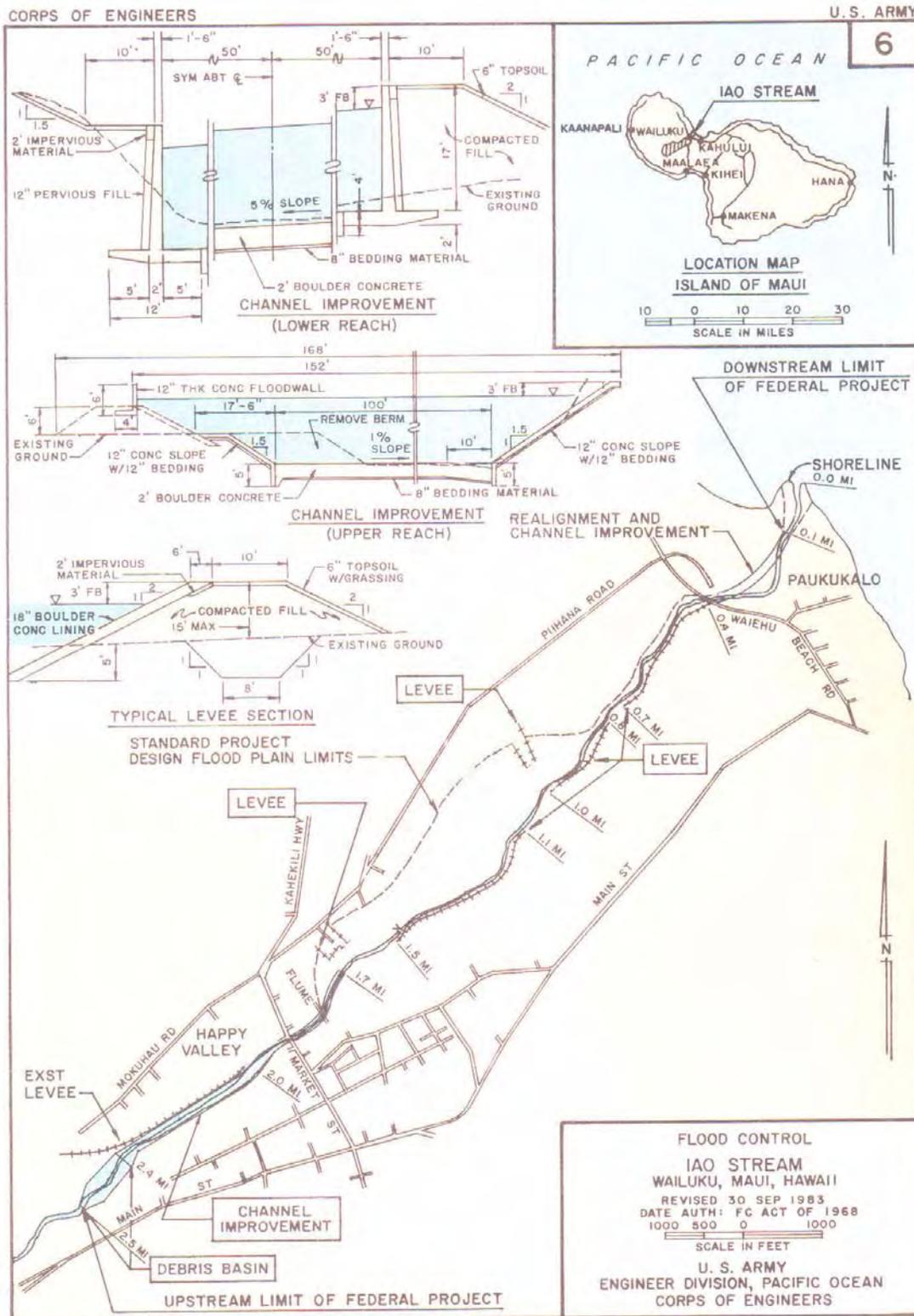
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I AO S T R E A M , M A U I , H A W A I I

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1993

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized by the Flood Control Act of 1968. Provides for a debris basin about 2.5 miles upstream of the mouth of Iao Stream; channel improvement from the debris basin to about 1,100 feet downstream of Market Street bridge; diversion levees and flood plain management from the channel improvements to the Waiehu Bridge. The standard project design discharge is 26,500 cfs at the stream mouth.

PROGRESS OF WORK

Completed and Under Maintenance: The project was completed in October 1980. A construction contract for corrective measures for levee protection was completed in November 1983.

Work Remaining: Plans and specifications initiated in November 1992 to correct design deficiency are 30 percent complete.

COST OF CONSTRUCTION:

	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
<u>Completed Works:</u>			
United States Funds	\$12,285,000		\$12,285,000
Contributed Funds (Other)	<u>274,262</u>		<u>274,262</u>
Total Costs	\$12,559,262		\$12,559,262
<u>Uncompleted Works:</u>			
United States Funds	\$4,540,000	\$240,000	\$4,780,000
Contributed Funds			
Required	1,510,000		1,510,000
Other	<u>2,000</u>		<u>2,000</u>
Total Estimated Costs (1993)	\$6,052,000	\$240,000	\$6,292,000