



4 November 2003

## INFORMATION PAPER

SUBJECT: Iao Stream Flood Control, Maui, Hawaii

1. Purpose: To provide information on the subject project.
2. Points of Major Interest and Facts.

a. The Honolulu District is currently in the process of preparing a report documenting an acceptable plan under the "Modification to Completed Projects" program. The report must be approved and used as the basis for construction plans and specifications, and a Project Cooperation Agreement between the U.S. Army Corps of Engineers (USACE) and the sponsor, County of Maui.

b. The Iao Stream drainage is approximately 10 square miles in area located in the northwest slopes of Maui. The project authorized under the Flood Control Act of 1968 (Public Law 90-483). The project includes a debris basin located 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 Beach Road; and channel improvement for about 1,400 feet downstream of Waiehu Bridge. The standard project design discharge is 26,500 cubic feet per second (cfs) at the stream mouth. The project was completed in October 1981 at a cost of \$12,559,262 (Federal: \$12,285,000; non-Federal: \$274,262). The completed flood control project has prevented an estimated \$24.2M in damages to date. The project was last inspected in October 2002; project's condition rating is listed "acceptable."

c. High stream flows undermined floodplain levees along a reach about 0.8 miles above Waiehu Beach Road in late 1981. The current investigation is underway to formulate and design alternatives that will correct the deficient levee system in the middle reaches of the project. Four alternatives were developed, and the County has expressed its preference for the "environmental alternative." The County also requested that USACE investigate the possibility of reducing the flood plain zone in the left bank where an affordable housing project is proposed. The environmental alternative is also preferred by USACE and several resource agencies.

d. A Design Documentation Report (DDR) is being prepared to evaluate the selected plan, and an Environmental Assessment (EA) is also being prepared to evaluate the alternative measures. The DDR and EA are scheduled for completion in the spring of 2004. The issue is the selection of a plan that will be affordable to the County, meet technical requirements, and be accepted by the sponsor and public interests. Funds in the amount of \$419,000 were received in FY03 to continue the investigation.

3. Congressional Interest. The project is strongly supported by the Congressional delegation.