



12 March 2003

INFORMATION PAPER

SUBJECT: Wailupe Stream, Oahu, Hawaii

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

a. The project is in the Preconstruction Engineering and Design (PED) phase. Approval for the District to initiate a General Reevaluation Report (GRR) was provided 12 March 2002 from the Office of the Assistant Secretary of the Army for Civil Works for the FY02 Congressional add. The appropriations do not constitute authorization since Construction, General funds were not provided. The State of Hawaii and City and County of Honolulu are expected to be study co-sponsors for future PED activities. A design agreement jointly between the co-sponsors and the U.S. Army Corps of Engineers (USACE) would outline all PED activities will be executed by September 2003. The non-Federal sponsors will be obligated to provide 25 percent of the costs based on annual appropriation requirements and subject to adjustment at the time of construction.

b. In FY03, \$50,000 was appropriated to continue the PED phase. The Office of Management and Budget (OMB) deleted a budget funds request for FY03 since a design agreement was not executed.

b. The Wailupe Stream drainage basin is located approximately eight miles southeast of Honolulu and encompasses the Aina Haina residential community. The Wailupe Stream drainage basin experiences four basic problems including: 1) the inability of the existing flood control system to accommodate debris-laden flows; 2) the inability of the existing stream channel to accommodate clear water flood discharges greater than about a 20-year recurrence interval; 3) serious erosion problems; and 4) susceptibility of nearly the entire valley floor to flooding, with 819 residential and 28 commercial structures within the 100-year flood plain.

c. A feasibility study was earlier cost-shared between the USACE and the joint sponsors, the State of Hawaii, and the City and County of Honolulu. The feasibility phase investigation was terminated in February 1999 due to unfavorable benefit-cost ratios (BCR). The most viable alternative, with a BCR of 0.89, would have provided a 500-year level of protection. The project features included two new concrete debris basins, 1,000 feet of concrete invert lining, 7,600 feet of concrete channelization, an excavated channel extending 116 feet into the ocean, modifications to the Kalaniana'ole Highway Bridge, and other utility modifications.

3. Congressional Interest. Senator Inouye and Representative Abercrombie support the project.