



Water-Data Report 2009

16500800 Kukuila Gulch near Kipahulu, Maui, HI

LOCATION.--Lat 20°39'05.8", long 156°04'33.2" referenced to North American Datum of 1983, Maui County, HI, Hydrologic Unit 20020000, (Kipahulu quadrangle, 1983, 1:24,000), on left bank 500 ft upstream from Piilani Highway 31, 1.4 miles west of Kipahulu, and 3.2 miles east of Kaupo.

DRAINAGE AREA.--0.76 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Operated as a continuous surface water gage from 1963-68, crest-stage gage from 1969 to September 2009 (discontinued).

REVISED RECORDS.--WDR HI-06-1: 2002-05(M).

GAGE.--Crest-stage gage. Altitude of gage is 110 ft (from topographic map).

REMARKS.--As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the U.S. Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low- or flood-flow analyses, depending on the type of data collected.

Prior to 1973, crest-stage partial-record station records for the State of Hawaii were published in an annual progress report entitled An Investigation of Floods in Hawaii. The following table contains the annual maximum discharge for this station. A crest-stage station is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for the current year is given. Information on some lower floods may have been obtained but is not published here. The years given in the period of record represent water years for which the annual maximum has been obtained.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge and gage height, 5,950 ft³/s, 13.76 feet, March 31, 1982.

MAXIMUM PEAK DISCHARGE WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Date	Discharge, in ft ³ /s	Gage height, in ft
Dec 27, 2008	unknown	7.70