16272200 Kamooalii Stream below Luluku Stream near Kaneohe, Oahu, HI

LOCATION.--Lat 21°23'36.2", long 157°48'13.5" referenced to North American Datum of 1983, Honolulu County, HI, Hydrologic Unit 20060000, on left bank 300 ft downstream fromLuluku Stream, 1.0 mi southwest of Castle High School, and 1.9 mi northwest of the intersection of State Highways 61 and 83.

DRAINAGE AREA.--3.81 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Operated as a continuous surface-water site from November 1976 to September 2005. Crest-stage gage (stage and discharge) from October to December 2005 and September 2007 to September 2009. Crest-stage gage (stage only) from October 2009 to September 2011 (discontinued).

REVISED RECORDS.--WDR HI-92-1: 1991(M).

GAGE.--Crest-stage gage.

REMARKS.--Flow regulated by a flood-control dam upstream.

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, 1,760 ft^3/s, January 25, 1996, gage height, 5.72 ft, from rating curve extended above 200 ft^3/s; minimum, 0.22 ft^3/s , September 25-26, 2000.

MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Date	Gage height, in ft
Jan 12, 2011	3.97

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 16272200, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/16272200.2011.pdf