

16762000 Alapai Gulch at Naalehu, HI

REVISION OF RECORDS FOR A DISCONTINUED STATION

LOCATION.--Lat 19°04'00", long 155°35'19" referenced to Old Hawaiian Datum, Hawaii County, HI, Hydrologic Unit 20010000, at debris catchment outlet of Naalehu Watershed Protection Project and 0.2 mi upstream from Highway 11 at Naalehu.

DRAINAGE AREA.--2.87 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1963-89 (discontinued)

REVISED RECORDS.--WDR HI-2009-1; 1968-89(M)

GAGE.--Crest-stage gage.

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, 599 ft³/s December 30, 1966, gage height 4.56 ft; maximum gage height, 10.63 ft, 1982 (backwater from debris dam)(Revised).

REVISIONS.--Revised peak discharges for water years 1968-89, superseding those published in the reports for 1968-89.

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WATER YEAR OCTOBER 1967 TO SEPTEMBER 1989**

Water Year	Date	Discharge, Gage height,	
		in ft ³ /s	in ft
1968	Nov 26, 1967	deleted	9.00
1969	Jan 5, 1969	deleted	5.61
1970	Aug 26, 1970	deleted	5.08
1971	Dec 20, 1970	deleted	5.73
1972	Nov 25, 1971	deleted	8.08
1973	deleted	deleted	deleted
1974	deleted	deleted	deleted
1975	deleted	deleted	deleted
1976	Jan 5, 1976	deleted	5.84
1977	Oct 22, 1976	deleted	4.96
1978	deleted	deleted	<1.5
1979	deleted	deleted	deleted
1980	Mar 18, 1980	deleted	8.00
1981	deleted	deleted	deleted
1982	deleted	deleted	10.63
1983	deleted	deleted	
1984	deleted	deleted	
1985	Sep 23, 1985	deleted	10.25
1986	deleted	deleted	deleted
1987	deleted	deleted	deleted
1988	deleted	deleted	deleted
1989	deleted	deleted	deleted