

16272200 KAMOOALII STREAM BELOW LULUKU STREAM NEAR KANEOHE

LOCATION.--Lat 21°23'47", long 157°48'23", Old Hawaiian Datum, Hydrologic Unit 20060000, on left bank 300 ft downstream from Luluku 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 mi².

PERIOD OF RECORD.--November 1976 to current year.

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 116.39 ft above mean sea level (levels by Corps of Engineers).

REMARKS.--Records computed by H.A. Jeppesen. Records good. Flow regulated by a flood-control dam upstream.

AVERAGE DISCHARGE.--28 years (water years 1977-2005), 10.3 ft³/s (7,480 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,760 ft³/s, January 25, 1996, gage height, 5.72 ft, from rating curve extended above 200 ft³/s; minimum, 0.22 ft³/s, September 25-26, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 360 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1915	*1,180	*5.25	Jan 29	1530	375	3.52

Minimum discharge, 2.4 ft³/s, Nov. 3, 4, gage height, 1.29 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	16	11	42	17	12	17	10	8.7	6.7	5.8	5.9
2	9.3	11	11	32	14	11	16	9.9	9.5	6.6	5.8	5.4
3	7.6	13	11	14	34	11	15	9.9	9.1	7.0	5.8	5.8
4	8.3	29	11	13	94	11	15	9.8	8.4	6.6	5.6	5.9
5	8.0	37	11	13	22	11	17	9.5	9.5	6.9	5.6	5.3
6	8.3	43	10	13	15	11	16	9.4	8.7	6.1	5.5	5.2
7	9.2	59	11	12	14	10	15	9.4	8.8	5.8	5.6	5.1
8	8.3	16	10	12	14	18	15	9.9	8.3	6.7	5.6	5.1
9	8.2	17	10	32	13	53	14	9.7	8.1	8.2	8.3	5.1
10	8.2	13	9.4	14	13	28	14	9.3	9.4	6.9	5.7	6.5
11	8.6	12	9.3	12	52	15	13	8.7	8.2	7.3	5.7	5.7
12	9.1	11	9.5	12	54	24	13	8.5	7.7	9.2	5.5	5.3
13	7.8	12	9.2	14	16	15	13	8.5	8.0	7.1	5.4	6.8
14	7.6	42	9.0	18	14	13	13	8.7	7.8	6.7	5.4	7.7
15	7.5	15	9.0	13	14	13	12	8.7	7.6	6.7	5.4	8.3
16	7.6	18	9.0	12	13	13	12	8.6	7.8	6.9	5.4	10
17	7.9	16	8.8	25	13	12	12	8.7	7.3	6.5	5.4	6.5
18	7.8	13	8.8	30	14	12	12	9.3	7.0	6.3	5.3	5.5
19	7.5	12	8.6	14	13	12	12	15	7.7	6.1	5.4	6.6
20	7.8	12	8.6	13	13	14	11	10	9.4	5.9	5.5	6.3
21	8.8	12	8.8	13	13	12	11	23	8.7	6.9	5.3	7.1
22	6.4	11	36	12	12	11	11	13	7.3	6.2	5.3	6.0
23	7.5	11	13	12	13	14	11	12	7.9	6.6	5.3	67
24	10	11	12	12	13	14	11	11	7.9	6.2	5.2	26
25	20	20	10	12	13	21	10	10	7.5	5.9	6.0	11
26	13	12	11	12	12	50	11	9.6	6.9	5.7	5.3	8.7
27	8.9	11	29	12	12	18	10	9.4	6.7	5.7	5.4	7.1
28	8.2	16	21	11	12	17	11	9.2	6.8	8.3	5.4	7.5
29	7.9	15	12	69	---	32	10	9.2	7.9	7.3	5.6	6.8
30	143	12	12	18	---	19	10	8.8	6.9	6.0	5.3	15
31	63	---	12	13	---	17	---	8.9	---	6.0	5.2	---
TOTAL	460.1	548	372.0	556	566	544	383	315.6	241.5	207.0	173.0	286.2
MEAN	14.8	18.3	12.0	17.9	20.2	17.5	12.8	10.2	8.05	6.68	5.58	9.54
MAX	143	59	36	69	94	53	17	23	9.5	9.2	8.3	67
MIN	6.4	11	8.6	11	12	10	10	8.5	6.7	5.7	5.2	5.1
AC-FT	913	1,090	738	1,100	1,120	1,080	760	626	479	411	343	568

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	7.59	10.7	11.7	14.8	12.5	13.2	11.9	10.5	8.37	7.39	7.01	7.00
MAX	16.8	29.6	37.2	53.4	35.9	34.3	49.1	23.0	25.7	19.9	24.0	16.9
(WY)	(1983)	(1987)	(1988)	(1988)	(1979)	(1982)	(1989)	(1981)	(1982)	(1982)	(1982)	(1982)
MIN	2.91	3.29	4.02	4.05	3.83	4.03	3.82	3.44	2.65	2.75	2.89	2.27
(WY)	(1985)	(2000)	(2002)	(1977)	(1978)	(1978)	(2001)	(2000)	(2000)	(2001)	(2001)	(2001)

HAWAII, ISLAND OF OAHU

16272200 KAMOOALII STREAM BELOW LULUKU STREAM NEAR KANEOHE—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	6,544.7		4,652.4			
ANNUAL MEAN	17.9		12.7		10.3	
HIGHEST ANNUAL MEAN					22.0	
LOWEST ANNUAL MEAN					4.32	
HIGHEST DAILY MEAN	170	Feb 27	143	Oct 30	723	Jan 1, 1988
LOWEST DAILY MEAN	6.4	Oct 22	5.1	Sep 7	0.29	Oct 10, 1984
ANNUAL SEVEN-DAY MINIMUM	7.7	Oct 13	5.3	Aug 18	0.30	Oct 10, 1984
ANNUAL RUNOFF (AC-FT)	12,980		9,230		7,480	
10 PERCENT EXCEEDS	29		18		16	
50 PERCENT EXCEEDS	14		10		7.1	
90 PERCENT EXCEEDS	8.8		5.7		3.8	