Water-Data Report 2012

16247150 Makiki Stream at Aarohie Baker Park, Oahu, HI

LOCATION.--Lat 21°18'31.4", long 157°49'49.5" referenced to North American Datum of 1983, Honolulu County, HI, Hydrologic Unit 20060000, on right bank 30 ft upstream from culvert, near corner of Makiki Street and Round Top Drive.

DRAINAGE AREA.--1.09 mi^2, from automated delineation using 10-meter National Elevation Dataset digital elevation model data dated September 2006 and Watershed Boundary Dataset dated May 2008, using UTM Zone 4 projection, NAD 83 horizontal datum.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--2009 (annual maximum), March 2010 to current year.

GAGE.--Water stage recorder. Elevation of gage is 160 feet above mean sea level (from topographic map). Oct. 1, 2009 to Mar. 9, 2010 crest-stage gage at same site.

REMARKS.--Records computed by C.W. Yeung. Starting December 23, 2010, gage heights below 17.88 ft were not monitored. Records good, except for punches when the recorded peak gage heights were above 17.88 ft which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 440 ft^3/s, December 13, 2011, gage height, 20.47 ft; minimum recorded discharge, 0.06 ft^3/s, on several days. Minimum discharge not monitoried after December 23, 2010.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 440 ft^3/s, December 13, gage height 20.47 ft; Minimum discharge not monitored after December 23, 2010.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 16247150, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/16247150.2012.pdf

16247150 Makiki Stream at Aarohie Baker Park, Oahu, HI—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[<, less than]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
2	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
3	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
4	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
5	<26	<26	<26	<26	<26	<29	<26	<26	<26	<26	<26	<26
6	<26	<26	<26	<26	<26	<37	<26	<26	<26	<26	<26	<26
7	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
8	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
9	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
10	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
11	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
12	<26	<26	<29	<26	<26	<26	<26	<26	<26	<26	<26	<26
13	<26	<26	<44	<26	<26	<26	<26	<26	<26	<26	<26	<26
14	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
15	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
16	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
17	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
18	<26	<26	<27	<26	<26	<26	<26	<26	<26	<26	<26	<26
19	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
20	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
21	<26	<26	<26	<26	<26	<27	<26	<26	<26	<26	<26	<26
22	<26	<26	<26	<26	<26	<28	<26	<26	<26	<26	<26	<26
23	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
24	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
25	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
27	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
28	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26
29	<26	<26	<26	<26	<26	<26	<26	<26	<27	<26	<26	<26
30	<26	<26	<26	<26	---	<26	<26	<26	<26	<26	<26	<26
31	<26	---	<26	<26	---	<26	---	<26	---	<26	<26	---
Mean	<26	<26	26.7	<26	<26	26.5	<26	<26	<26	<26	<26	<26
Max	<26	<26	44	<26	<26	37	<26	<26	<27	<26	<26	<26
Min	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26	<26

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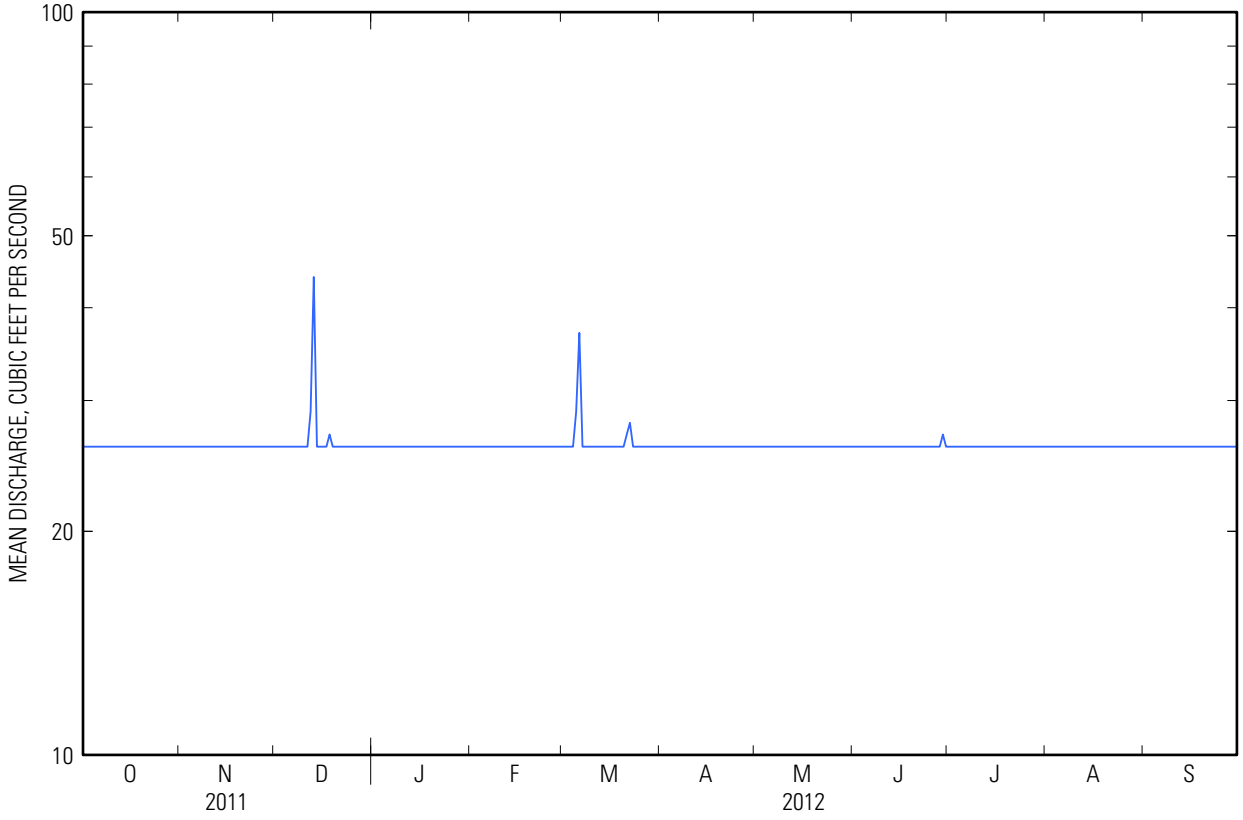

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Suspended Sediment: March 2010 to current year.

EXTREMES FOR PERIOD OF RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum, 11,100 mg/L, December 13, 2011; minimum, 51 mg/l, December 20, 2010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

[ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; <, less than]

Date	Sample start time	Discharge, instantaneous, ft^3/s (00061)	Sampler type (84164)	Sampling method (82398)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)
12-13-2011	**0235**	--	Peristaltic pump	Point sample	--	3,810
12-13-2011	**0240**	--	Peristaltic pump	Point sample	87	3,570
12-13-2011	**0250**	--	Peristaltic pump	Point sample	71	6,580
12-13-2011	**0255**	--	Peristaltic pump	Point sample	66	11,100
12-13-2011	**0305**	--	Peristaltic pump	Point sample	--	9,210
12-13-2011	**0315**	--	Peristaltic pump	Point sample	83	6,360
12-13-2011	**0320**	--	Peristaltic pump	Point sample	--	4,920
12-13-2011	**0325**	--	Peristaltic pump	Point sample	--	4,130
12-13-2011	**0330**	--	Peristaltic pump	Point sample	89	3,600
12-13-2011	**0335**	--	Peristaltic pump	Point sample	--	2,720
03-06-2012	**0859**	27	US DH-81	EWI	--	171
03-06-2012	**0916**	< 26	Grab sample	EWI	--	150
03-06-2012	**1535**	--	Peristaltic pump	Point sample	85	4,020
03-06-2012	**1600**	129	Peristaltic pump	Point sample	--	4,870