

16682000 Kaulana Gulch at altitude 100 feet, Kahoolawe, HI

LOCATION.--Lat 20°35'25", long 156°35'50" referenced to North American Datum of 1983, Maui County, HI, Hydrologic Unit 20030000, and is located approximately ¼ mile upstream from the stream mouth.

DRAINAGE AREA.--1.20 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2006 to current year.

GAGE.--Water Stage recorder with sediment sampler. Elevation of gage is 100 ft.

REMARKS.--Water-discharge computed by Matt Wong. Records fair; sediment-discharge computed by Scot Izuka.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33 ft³/s, Oct. 16, 2006, gage height 3.07 ft.; minimum, no flow many days.

16682000 Kaulana Gulch at altitude 100 feet, Kahoolawe, HI—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
16	3.3	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
17	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	e0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.13	---	0.00	---	0.00	---	0.00	0.25	---
Total	3.34	1.41	0.00	0.13	0.12	0.86	0.00	0.00	0.00	0.00	0.25	0.03
Mean	0.11	0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00
Max	3.3	1.3	0.00	0.13	0.12	0.76	0.00	0.00	0.00	0.00	0.25	0.03
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ac-ft	6.6	2.8	0.00	0.3	0.2	1.7	0.00	0.00	0.00	0.00	0.5	0.06

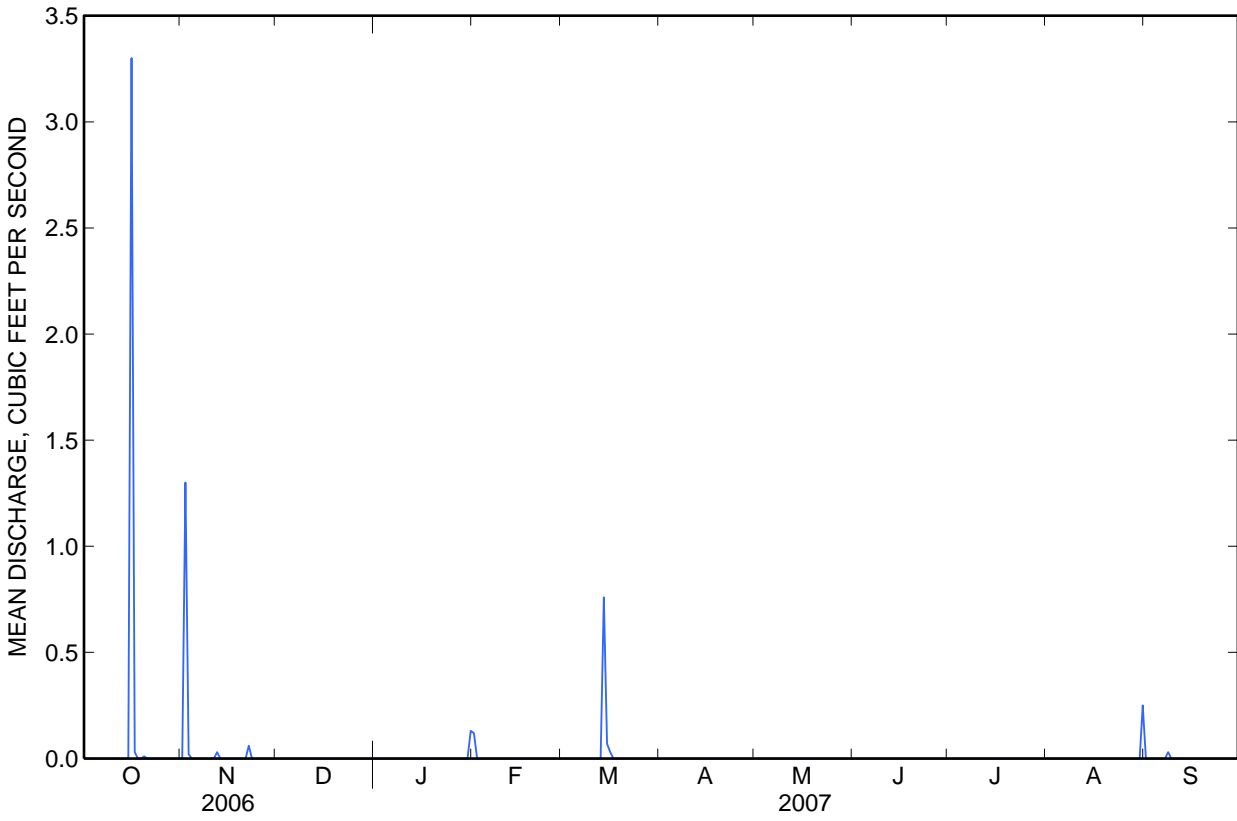
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.11	0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00
Max	0.11	0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00
(WY)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)
Min	0.11	0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00
(WY)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)

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SUMMARY STATISTICS

Water Year 2007	
Annual total	6.14
Annual mean	0.02
Highest daily mean	3.3 Oct 16
Lowest daily mean	0.00 Oct 1
Annual seven-day minimum	0.00 Oct 1
Annual runoff (ac-ft)	12
10 percent exceeds	0.00
50 percent exceeds	0.00
90 percent exceeds	0.00



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2006 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 2006 to current year.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 24,600 mg/L, August 31, 2007; minimum, 0.0 mg/L during periods of no flow.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily mean, 151 tons per day, October 16, 2006; minimum, 0.0 tons per day during periods of no flow.

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment
	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)
	October		November		December		January		February		March	
1	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	3,670	2.8	14	0.00
2	0.0	0.00	4,040	75	0.0	0.00	0.0	0.00	0.0	0.00	14	0.00
3	0.0	0.00	966	0.13	0.0	0.00	0.0	0.00	1	0.00	15	0.00
4	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	1	0.00	15	0.00
5	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	2	0.00	16	0.00
6	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	2	0.00	16	0.00
7	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	3	0.00	17	0.00
8	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	3	0.00	17	0.00
9	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	4	0.00	18	0.00
10	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	4	0.00	18	0.00
11	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	5	0.00	19	0.00
12	0.0	0.00	787	0.26	0.0	0.00	0.0	0.00	5	0.00	19	0.00
13	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	6	0.00	20	0.00
14	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	6	0.00	4,310	69
15	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	7	0.00	1,020	0.55
16	6,410	151	0.0	0.00	0.0	0.00	0.0	0.00	7	0.00	636	0.22
17	771	0.18	0.0	0.00	0.0	0.00	0.0	0.00	8	0.00	0.0	0.00
18	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	8	0.00	0.0	0.00
19	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	9	0.00	0.0	0.00
20	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	9	0.00	0.0	0.00
21	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	10	0.00	0.0	0.00
22	0.0	0.00	881	0.49	0.0	0.00	0.0	0.00	10	0.00	0.0	0.00
23	0.0	0.00	66	0.00	0.0	0.00	0.0	0.00	11	0.00	0.0	0.00
24	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	11	0.00	0.0	0.00
25	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	12	0.00	0.0	0.00
26	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	12	0.00	0.0	0.00
27	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	13	0.00	0.0	0.00
28	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	13	0.00	0.0	0.00
29	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	---	---	0.0	0.00
30	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	---	---	0.0	0.00
31	0.0	0.00	---	---	0.0	0.00	4,080	8.1	---	---	0.0	0.00
Total	---	151.18	---	75.88	---	0.00	---	8.10	---	2.80	---	69.77

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SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment
	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)
	April		May		June		July		August		September	
1	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	449	0.00
2	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
3	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
4	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
5	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
6	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
7	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
8	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	2,630	1.3
9	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
11	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
12	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
13	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
14	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
15	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
16	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
17	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
18	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
19	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
20	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
21	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
22	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
23	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
24	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
25	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
26	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
27	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
28	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
29	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
30	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	3	0.00	0.0	0.00
31	---	---	0.0	0.00	---	---	0.0	0.00	24,600	91	---	---
Total	---	0.00	---	0.00	---	0.00	---	0.00	---	91.00	---	1.30

Sediment discharge (tons/ day)
Year 400.03