



Water-Data Report 2008

## 16925000 Maloata Stream at Maloata, Tutuila, American Samoa

LOCATION.--Lat -14°18'27.0", long 170°48'41.9" referenced to North American Datum of 1983, Tutuila County, on left bank, 0.4 miles southeast of Maloata Village, and 0.4 miles upstream from mouth.

DRAINAGE AREA.--0.74 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1959 to February 1963, May 1968 and October 1974 (discharge measurements only), June 1998 to October 2005, August 2006 to September 2008 (discontinued). June 1998 to September 2005, unpublished records are in the files of the U.S. Geological Survey.

GAGE.--Water-stage data logger with bubble pressure system and concrete control. Elevation of gage is 120 feet, from topographic map.

REMARKS.--Record computed by Roy.Taogoshi. Records poor. Gage destroyed October 2005 and rebuilt August 2006. No diversion upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--7 years (water years 1999-2005), 8.07 ft<sup>3</sup>/s (5,850 acre-feet/year).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,630 ft<sup>3</sup>/s, October 11, 2000, gage height, 5.86 feet, from rating curve extended above 312 ft<sup>3</sup>/s on basis of step-backwater study; minimum 0.36 ft<sup>3</sup>/s, December 30 2004. Extremes for current year.-Unknown

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft<sup>3</sup>/s and (or) maximum (\*) for the periods December 19 to January 22, March 19 to April 30, and September 18-30:

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Sep 18	1245	*302	*3.35

Minimum discharge for the periods December 19 to January 22, March 19 to April 30, and September 18-30, no flow on many days, gage height, 1.59 ft.

## 16925000 Maloata Stream at Maloata, Tutuila, American Samoa—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	1.8	---	---	---	---	---	---	---	---
13	---	---	---	1.2	---	---	---	---	---	---	---	---
14	---	---	---	2.5	---	---	---	---	---	---	---	---
15	---	---	---	14	---	---	---	---	---	---	---	---
16	---	---	---	3.5	---	---	---	---	---	---	---	---
17	---	---	---	1.6	---	---	---	---	---	---	---	---
18	---	---	---	56	---	---	---	---	---	---	---	---
19	---	---	---	47	---	---	---	---	---	---	---	48
20	---	---	---	71	---	---	---	---	---	---	---	13
21	---	---	---	28	---	---	---	---	---	---	---	6.6
22	---	---	---	9.7	---	---	---	---	---	---	---	4.8
23	---	---	---	---	---	---	---	---	---	---	---	8.9
24	---	---	---	---	---	---	---	---	---	---	---	4.0
25	---	---	---	---	---	---	---	---	---	---	---	3.3
26	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	7.8
28	---	---	---	---	---	---	---	---	---	---	---	12
29	---	---	---	---	---	---	---	---	---	---	---	22
30	---	---	---	---	---	---	---	---	---	---	---	6.9
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Total</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Mean</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Max</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Min</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Ac-ft</b>	---	---	---	---	---	---	---	---	---	---	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2008, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	12.9	10.5	5.87	5.97	8.36	13.4	7.74	9.96	5.59	5.85	4.05	11.1
<b>Max</b>	28.1	24.1	9.07	10.5	20.5	37.0	17.6	22.3	12.2	11.0	9.55	39.9
<b>(WY)</b>	(2001)	(2007)	(2001)	(2000)	(2001)	(2000)	(2002)	(2002)	(2002)	(2005)	(2001)	(2006)
<b>Min</b>	3.11	2.10	1.11	1.85	2.83	3.36	1.31	1.38	1.23	1.08	1.01	1.72
<b>(WY)</b>	(1999)	(1999)	(2005)	(2003)	(2003)	(2004)	(1999)	(2001)	(2004)	(1999)	(1999)	(2004)

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**SUMMARY STATISTICS**

Water Years 1998 - 2008	
<b>Annual mean</b>	8.07
<b>Highest annual mean</b>	11.3      2001
<b>Lowest annual mean</b>	4.42      2004
<b>Highest daily mean</b>	244      Oct 11, 2000
<b>Lowest daily mean</b>	0.41      Jul 6, 2001
<b>Annual seven-day minimum</b>	0.51      Jul 5, 2001
<b>Annual runoff (ac-ft)</b>	5,850
<b>10 percent exceeds</b>	19
<b>50 percent exceeds</b>	2.7
<b>90 percent exceeds</b>	0.89

