



Water-Data Report 2007

10251300 Amargosa River At Tecopa, CA

Northern Mojave Basin
Upper Amargosa Subbasin

LOCATION.--Lat 35°50'55", long 116°13'45" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.9, T.20 N., R.7 E., Inyo County, CA, Hydrologic Unit 18090202, on right bank, 20 ft upstream from Old Spanish Trail Road, and 0.2 mi west of Tecopa.

DRAINAGE AREA.--3,090 mi², much of which is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct 1961 to Aug 1983, Oct 1991 to Sep 1995, 1998 miscellaneous discharge, Jan 1999 to current year.

GAGE.--Water-stage recorder and culvert control. Elevation of gage is 1,310 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct 16, 1991, at datum 16.52 ft higher.

REMARKS.--Records poor. Upstream diversion for municipal use.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,600 ft³/s, Aug 19, 1983, determined from culvert computations and flow over road, gage height, 16.00 ft, datum then in use; no flow some days some years

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 14	1500	140	6.35
Sep 22	0400	*1,400	*9.10

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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	0.08	0.14	0.27	0.47	0.69	0.70	0.49	0.11	0.08	0.04	0.03	0.03
2	0.08	0.15	0.36	0.45	0.66	0.73	0.48	0.09	0.08	0.03	0.03	0.03
3	0.08	0.16	0.33	0.42	0.62	0.68	0.49	0.09	0.08	0.04	0.03	0.03
4	0.08	0.17	0.32	0.49	0.64	0.72	0.41	0.11	0.07	0.03	0.03	0.03
5	0.08	0.16	0.35	0.61	0.65	0.77	0.43	0.14	0.07	0.03	0.03	0.03
6	0.08	0.16	0.36	0.35	0.69	0.78	0.45	0.14	0.08	0.03	0.02	0.03
7	0.08	0.17	0.38	0.41	0.69	0.79	0.46	0.14	0.08	0.03	0.02	0.03
8	0.07	0.17	0.41	0.41	0.65	0.82	0.42	0.13	0.08	0.02	0.02	0.03
9	0.07	0.18	0.42	0.50	0.67	0.82	0.39	0.13	0.08	0.02	0.03	0.03
10	0.07	0.17	0.38	0.53	0.70	0.86	0.34	0.13	0.08	0.02	0.03	0.03
11	0.07	0.16	0.41	0.53	0.72	0.76	0.29	0.13	0.07	0.03	0.02	0.03
12	0.10	0.20	0.40	0.48	0.67	0.78	0.29	0.12	0.07	0.02	0.02	0.03
13	0.15	0.19	0.41	0.37	0.68	0.84	0.29	0.12	0.06	0.02	0.03	0.03
14	23	0.23	0.45	0.38	0.74	0.83	0.23	0.12	0.06	0.02	0.03	0.03
15	4.4	0.24	0.43	0.41	0.59	0.80	0.25	0.12	0.06	0.03	0.02	0.04
16	0.18	0.25	0.44	0.45	0.63	0.79	0.31	0.10	0.05	0.02	0.02	0.04
17	0.13	0.27	0.45	0.49	0.63	0.72	0.36	0.10	0.05	0.02	0.02	0.04
18	0.12	0.28	0.45	0.55	0.63	0.71	0.30	0.10	0.05	0.02	0.02	0.04
19	0.12	0.29	0.39	0.63	0.70	0.71	0.26	0.10	0.05	0.02	0.02	0.04
20	0.13	0.29	0.37	0.61	0.68	0.64	0.24	0.10	0.05	0.02	0.02	0.04
21	0.12	0.29	0.39	0.70	0.70	0.61	0.26	0.10	0.04	0.02	0.02	e8.3
22	0.12	0.29	0.48	0.53	0.72	0.59	0.24	0.10	0.04	0.02	0.02	e683
23	0.13	0.29	0.45	0.51	0.72	0.50	0.24	0.11	0.04	0.02	0.02	e444
24	0.13	0.30	0.42	0.58	0.72	0.51	0.23	0.12	0.04	0.03	0.02	e315
25	0.13	0.29	0.48	0.63	0.70	0.52	0.19	0.12	0.04	0.40	0.02	e129
26	0.13	0.30	0.51	0.65	0.70	0.52	0.18	0.11	0.04	0.02	0.02	e39
27	0.13	0.30	0.52	0.66	0.68	0.48	0.18	0.11	0.04	0.02	0.03	17
28	0.14	0.29	0.66	0.65	0.68	0.48	0.17	0.09	0.04	0.02	0.03	11
29	0.14	0.33	0.37	0.68	---	0.45	0.15	0.08	0.04	0.02	0.03	8.1
30	0.14	0.26	0.31	0.70	---	0.41	0.12	0.08	0.03	0.02	0.03	6.3
31	0.14	---	0.37	0.73	---	0.45	---	0.08	---	0.02	0.03	---
Total	30.62	6.97	12.74	16.56	18.95	20.77	9.14	3.42	1.74	1.12	0.76	1,661.36
Mean	0.99	0.23	0.41	0.53	0.68	0.67	0.30	0.11	0.06	0.04	0.02	55.4
Max	23	0.33	0.66	0.73	0.74	0.86	0.49	0.14	0.08	0.40	0.03	683
Min	0.07	0.14	0.27	0.35	0.59	0.41	0.12	0.08	0.03	0.02	0.02	0.03
Ac-ft	61	14	25	33	38	41	18	6.8	3.5	2.2	1.5	3,300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.67	1.17	3.85	6.70	12.5	6.03	1.70	0.42	0.13	0.52	5.56	5.23
Max	39.1	11.4	65.3	56.2	95.6	54.2	16.2	3.19	2.55	3.52	103	93.1
(WY)	(1977)	(1966)	(1966)	(1995)	(1993)	(1983)	(2003)	(1977)	(1969)	(1965)	(1983)	(1976)
Min	0.00	0.01	0.39	0.53	0.47	0.36	0.07	0.02	0.00	0.00	0.00	0.00
(WY)	(1972)	(1993)	(1994)	(2007)	(2006)	(1994)	(1994)	(1993)	(1966)	(1963)	(1962)	(1964)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1962 - 2007	
Annual total	158.49		1,784.15			
Annual mean	0.43		4.89		3.80	
Highest annual mean					14.9	1983
Lowest annual mean					0.22	1994
Highest daily mean	23	Oct 14	683	Sep 22	1,500	Feb 26, 1969
Lowest daily mean	0.01	Jun 10	0.02	Jul 8	0.00	Jul 23, 1962
Annual seven-day minimum	0.02	Jun 5	0.02	Jul 16	0.00	Aug 1, 1962
Maximum peak flow			1,400	Sep 22	10,600	Aug 19, 1983
Maximum peak stage			9.10	Sep 22	16.00	Aug 19, 1983
Annual runoff (ac-ft)	314		3,540		2,750	
10 percent exceeds	0.67		0.70		2.5	
50 percent exceeds	0.17		0.17		0.25	
90 percent exceeds	0.04		0.02		0.00	

