



Water-Data Report 2010

11137900 Huasna River near Arroyo Grande, CA

Arroyo Grande Basin

LOCATION.--Lat 35°04'40", long 120°22'15" referenced to North American Datum of 1927, San Luis Obispo County, CA, Hydrologic Unit 18060007, in Huasna Grant, on right bank, 300 ft downstream from mouth of Huasna Creek, and 12 mi southeast of Arroyo Grande.

DRAINAGE AREA.--103 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1959 to September 1986, October 2003 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 640 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. No regulation upstream from station; extensive diversions by ranches for irrigation and for cattle ponds. Low flow affected by intermittent pumping for irrigation directly upstream of the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,000 ft³/s, Jan. 25, 1969, gage height, 15.90 ft, from rating curve extended above 1,300 ft³/s on basis of slope-area measurement of peak flow; no flow at times in some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 22	0230	*1,350	*5.58
Feb 7	0230	52	2.21
Feb 27	1830	*1,350	*5.58

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.06	0.10	10	167	8.7	7.2	1.5	1.2	0.67	0.35
2	0.00	0.00	0.06	0.13	9.0	108	8.3	6.9	1.4	1.2	0.76	0.25
3	0.00	0.00	0.06	0.13	8.0	95	8.1	6.4	1.4	0.94	0.78	0.39
4	0.00	0.00	0.08	0.13	7.0	129	7.9	6.1	1.1	0.70	0.92	0.43
5	0.00	0.13	0.08	0.11	7.1	97	8.7	5.8	1.2	0.53	0.60	0.50
6	0.00	0.26	0.10	0.11	12	84	8.5	5.6	1.3	0.46	0.67	0.34
7	0.00	0.26	0.26	0.11	42	79	7.9	5.3	1.3	0.44	0.60	0.57
8	0.00	0.12	0.10	0.06	28	63	7.5	5.0	1.6	0.77	0.72	0.08
9	0.00	0.12	0.06	0.06	28	52	7.2	4.8	1.5	0.42	0.56	0.15
10	0.00	0.12	0.27	0.09	34	46	6.8	4.5	1.4	0.68	0.49	0.27
11	0.00	0.13	0.19	0.06	26	39	7.5	4.3	1.6	0.44	0.49	0.24
12	0.00	0.07	0.27	0.06	22	35	20	4.1	1.5	0.57	0.53	0.32
13	0.01	0.07	0.21	0.16	20	33	23	3.8	1.4	0.76	0.57	0.37
14	0.16	0.06	0.13	0.09	18	30	15	3.6	1.4	0.57	0.57	0.41
15	0.04	0.08	0.07	0.13	16	27	12	3.4	1.3	0.18	0.54	0.42
16	0.00	0.08	0.06	0.06	15	25	10	3.3	1.2	0.25	0.52	0.39
17	0.00	0.08	0.06	0.09	14	23	9.5	3.3	1.1	0.31	0.72	0.43
18	0.00	0.11	0.06	0.34	13	22	9.0	e3.3	1.1	0.07	0.64	0.55
19	0.00	0.10	0.09	2.8	12	20	8.5	2.9	1.0	0.33	0.57	0.53
20	0.00	0.12	0.12	42	11	18	8.9	2.7	0.92	0.42	0.54	0.42
21	0.00	0.09	0.13	343	11	16	9.2	2.7	1.1	0.51	0.56	0.44
22	0.00	0.06	0.13	917	10	15	9.2	2.9	1.1	0.63	0.33	0.29
23	0.00	0.06	0.13	358	9.3	14	8.5	2.8	1.2	0.81	0.46	0.04
24	0.06	0.06	0.14	115	10	13	8.1	2.7	1.1	0.54	0.36	0.00
25	0.01	0.06	0.16	58	16	13	8.0	2.8	1.1	0.55	0.30	0.00
26	0.00	0.06	0.14	36	18	12	7.8	2.8	1.3	0.66	0.34	0.00
27	0.00	0.06	0.13	30	708	12	7.7	2.5	1.3	0.64	0.31	0.00
28	0.00	0.06	0.11	22	464	11	7.7	1.9	1.2	0.63	0.32	0.00
29	0.00	0.06	0.09	17	---	10	7.6	1.7	1.2	0.69	0.38	0.00
30	0.00	0.06	0.13	14	---	9.9	7.4	1.4	1.1	0.68	0.39	0.00
31	0.00	---	0.13	12	---	9.2	---	1.4	---	0.63	0.36	---
Total	0.28	2.54	3.81	1,968.82	1,598.4	1,327.1	284.2	117.9	37.92	18.21	16.57	8.18
Mean	0.01	0.08	0.12	63.5	57.1	42.8	9.47	3.80	1.26	0.59	0.53	0.27
Max	0.16	0.26	0.27	917	708	167	23	7.2	1.6	1.2	0.92	0.57
Min	0.00	0.00	0.06	0.06	7.0	9.2	6.8	1.4	0.92	0.07	0.30	0.00
Ac-ft	0.6	5.0	7.6	3,910	3,170	2,630	564	234	75	36	33	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.35	1.26	15.9	51.8	68.8	54.6	31.9	5.66	1.51	0.72	0.41	0.37
Max	1.91	16.0	362	657	676	454	327	46.1	11.5	3.99	1.46	1.69
(WY)	(1984)	(1983)	(1967)	(1969)	(1969)	(1983)	(2006)	(1967)	(1983)	(1983)	(1969)	(1978)
Min	0.00	0.00	0.00	0.07	0.06	0.11	0.06	0.00	0.00	0.00	0.00	0.00
(WY)	(1962)	(1960)	(1962)	(1960)	(1977)	(1977)	(1961)	(1961)	(1961)	(1961)	(1959)	(1961)

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	Calendar Year 2009	Water Year 2010	Water Years 1959 - 2010	
Annual total	74.56	5,383.93		
Annual mean	0.20	14.8	19.2	
Highest annual mean			135	1969
Lowest annual mean			0.08	1977
Highest daily mean	1.4	Feb 16	917	Jan 22
Lowest daily mean	0.00	May 14	0.00	Oct 1
Annual seven-day minimum	0.00	May 14	0.00	Oct 1
Maximum peak flow			1,350	Jan 22
Maximum peak stage			5.58	Jan 22
Annual runoff (ac-ft)	148	10,680	13,900	
10 percent exceeds	0.60	21	17	
50 percent exceeds	0.06	0.64	0.60	
90 percent exceeds	0.00	0.00	0.00	

