

10311000 Carson River Near Carson City, NV

Carson Basin
Upper Carson Subbasin

LOCATION.--Lat 39°06'28", long 119°42'44" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.2, T.14 N., R.20 E., Carson City, NV, Hydrologic Unit 16050201, on left bank, 2 mi downstream from Clear Creek, 3 mi upstream from Lloyds Bridge on road to Mexican Dam, 5 mi southeast of Carson City Post Office, and at mi 70.4 upstream from Lahontan Dam.

DRAINAGE AREA.--886 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1939 to current year.

REVISED RECORDS.--WDR NV-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,620.48 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Dec. 23, 1955, water-stage recorder on right bank at datum 1.0 ft higher. Dec. 23, 1955, to Mar. 13, 1956, nonrecording gage at present site at datum 1.0 ft higher. Mar. 14, 1956, to Sep. 30, 1963, water-stage recorder at present site at datum 1.0 ft higher.

REMARKS.--Record fair except estimated daily discharges, which are poor. Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,500 ft³/s, Jan. 3, 1997, gage height, 18.43 ft; no flow Sep. 5, 1992.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 3	0345	*1,430	*4.59

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

[e, estimated; &, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.5	28	135	&183	170	144	235	575	192	26	7.1	3.7
2	9.3	29	173	e169	167	145	218	505	186	23	6.5	3.7
3	9.5	32	1,130	&162	167	155	195	469	190	25	5.4	3.7
4	11	35	500	&159	168	172	190	443	179	23	4.6	3.7
5	13	37	353	&173	168	168	205	423	161	27	4.9	3.3
6	13	36	604	&189	169	175	196	443	155	26	4.3	3.3
7	15	34	524	&183	167	179	202	467	156	21	3.7	3.7
8	18	35	366	&193	164	175	220	510	155	22	3.7	4.0
9	19	34	301	&196	162	175	229	561	164	24	3.8	3.4
10	19	38	270	e197	162	165	206	534	160	26	4.2	3.3
11	20	39	250	&190	e158	158	190	523	146	21	5.1	3.7
12	20	37	237	e183	156	168	204	550	135	19	5.2	3.5
13	21	37	230	&180	154	181	224	598	122	17	5.2	3.5
14	23	41	203	&148	152	204	253	630	101	25	6.1	3.0
15	23	44	192	&146	151	257	302	506	77	23	5.2	3.1
16	23	44	196	&155	153	296	303	474	71	20	5.6	3.1
17	23	44	209	&164	153	303	259	452	61	20	6.2	2.9
18	23	46	210	&160	159	297	238	422	54	12	5.0	2.7
19	23	49	e189	&155	161	292	208	379	51	12	5.9	2.8
20	25	50	172	&157	161	291	193	345	43	11	5.1	3.1
21	25	46	177	&163	157	294	209	311	41	8.9	5.3	3.6
22	25	43	199	&166	153	258	238	290	42	8.5	4.9	4.1
23	25	48	227	&178	148	241	296	262	43	8.4	5.4	4.3
24	25	49	256	&172	150	197	306	223	45	11	6.6	4.1
25	27	48	229	183	140	199	292	194	51	12	6.3	4.0
26	29	47	218	188	141	208	287	186	51	11	5.8	5.2
27	32	47	&216	192	143	206	308	187	50	11	5.7	6.4
28	28	48	&212	e180	140	187	363	183	43	11	4.8	6.1
29	26	56	195	169	---	185	425	222	36	10	4.9	6.8
30	27	60	202	174	---	187	491	224	31	7.8	4.3	8.0
31	28	---	e190	174	---	217	---	212	---	7.4	3.7	---
Total	657.3	1,261	8,765	5,381	4,394	6,479	7,685	12,303	2,992	530.0	160.5	119.8
Mean	21.2	42.0	283	174	157	209	256	397	99.7	17.1	5.18	3.99
Max	32	60	1,130	197	170	303	491	630	192	27	7.1	8.0
Min	9.3	28	135	146	140	144	190	183	31	7.4	3.7	2.7
Ac-ft	1,300	2,500	17,390	10,670	8,720	12,850	15,240	24,400	5,930	1,050	318	238

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	96.6	193	276	358	368	414	592	1,182	949	261	54.5	43.4
Max	527	1,693	1,992	3,171	2,115	1,573	1,467	3,129	4,099	1,764	657	281
(WY)	(1983)	(1951)	(1951)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1995)	(1983)	(1983)
Min	7.69	42.0	52.4	76.4	62.7	73.7	46.4	93.9	47.7	8.56	2.81	1.96
(WY)	(1978)	(2013)	(1989)	(1991)	(1991)	(1977)	(1977)	(1977)	(1988)	(2012)	(1977)	(1977)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1940 - 2013	
Annual total	59,390.9		50,727.6			
Annual mean	162		139		399	
Highest annual mean					1,142	1983
Lowest annual mean					58.5	1977
Highest daily mean	1,390	Apr 27	1,130	Dec 3	26,100	Jan 3, 1997
Lowest daily mean	3.3	Sep 11	2.7	Sep 18	0.00	Sep 5, 1992
Annual seven-day minimum	4.0	Sep 16	3.0	Sep 14	1.5	Aug 24, 1992
Maximum peak flow			1,430	Dec 3	30,500	Jan 3, 1997
Maximum peak stage			4.59	Dec 3	18.43	Jan 3, 1997
Annual runoff (ac-ft)	117,800		100,600		288,800	
10 percent exceeds	384		299		1,060	
50 percent exceeds	118		148		177	
90 percent exceeds	5.2		4.9		19	

