Water-Data Report 2012

09415250 Virgin River Above Lake Mead Near Overton, NV

Lower Colorado-Lake Mead Basin
Lower Virgin Subbasin

LOCATION.--Lat 36°30′58″, long 114°20′03″ referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.25, T.16 S., R.68 E., Clark County, NV, Hydrologic Unit 15010010, in Lake Mead National Recreation Area, on left bank, 4.2 miles (5.6 river miles) upstream of Lake Mead, and 4 mi southeast of Overton, NV.

DRAINAGE AREA.--5,929 mi^2, Undetermined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Dec. 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,210 ft above National Geodetic Vertical Datum of 1929, from topographic map. Gage at various locations due to declining Lake Mead levels.

REMARKS.--Records fair except for flows above 600 ft^3/s and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,600 ft^3/s, Dec 22, 2010, gage height, 26.33 ft, no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,480 ft^3/s, Aug. 22, gage height, 15.23 ft; minimum daily discharge, 0.00 ft^3/s, on several days.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37	190	105	137	141	193	184	80	41	e0.00	67	11
2	43	170	142	128	113	156	182	43	18	e31	194	37
3	44	209	139	128	94	132	202	26	9.2	21	129	53
4	124	148	142	126	107	133	114	35	34	e10	87	53
5	274	202	169	134	142	130	89	38	13	e0.00	70	17
6	318	168	165	126	128	130	90	44	e1.2	e0.00	70	19
7	675	180	167	133	122	266	87	50	e2.4	e0.00	85	32
8	337	180	180	147	112	230	106	23	e4.3	e0.00	52	26
9	271	181	179	148	90	222	100	18	e2.1	e5.0	15	30
10	253	166	182	122	105	213	85	23	e8.6	20	11	27
11	239	150	163	134	109	214	53	37	25	e10	26	101
12	222	174	155	100	123	224	47	35	31	e0.00	52	491
13	207	214	176	126	121	215	55	35	e22	e0.00	38	206
14	199	200	174	138	152	193	137	45	e0.00	e1.0	20	95
15	175	204	153	144	194	208	151	46	e0.00	118	e15	65
16	180	165	160	150	214	186	186	52	e2.4	254	e1.2	49
17	186	151	155	137	252	155	199	19	e4.0	280	e3.1	49
18	185	152	157	134	193	254	141	20	18	176	6.5	50
19	189	162	166	109	171	237	103	34	37	102	e25	41
20	157	174	165	115	193	230	114	34	e9.0	57	99	33
21	170	169	172	141	212	189	131	34	e1.4	31	299	34
22	163	176	179	187	199	179	142	26	e0.00	19	618	39
23	175	182	164	208	160	176	117	23	e0.00	27	296	34
24	163	181	157	191	147	173	99	28	e15	97	140	40
25	161	186	147	172	141	164	59	41	24	237	100	24
26	146	157	161	124	132	167	68	18	18	176	81	39
27	146	162	131	116	145	166	81	21	e8.9	55	80	36
28	164	158	119	122	145	185	48	35	e0.69	32	58	44
29	177	157	109	136	182	151	84	37	e0.00	12	58	29
30	190	120	132	145	---	139	79	43	e0.00	24	45	26
31	201	---	153	151	---	164	---	50	---	42	25	---
Total	6,171	5,188	4,818	4,309	4,339	5,774	3,333	1,093	350.19	1,837.00	2,865.8	1,830
Mean	199	173	155	139	150	186	111	35.3	11.7	59.3	92.4	61.0
Max	675	214	182	208	252	266	202	80	41	280	618	491
Min	37	120	105	100	90	130	47	18	0.00	0.00	1.2	11
Ac-ft	12,240	10,290	9,560	8,550	8,610	11,450	6,610	2,170	695	3,640	5,680	3,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	135	144	318	195	191	212	286	269	80.8	32.7	51.3	48.9
Max	221	211	1,046	277	254	374	815	903	349	77.2	92.4	90.0
(WY)	(2011)	(2011)	(2011)	(2008)	(2008)	(2011)	(2011)	(2011)	(2011)	(2011)	(2012)	(2007)
Min	52.9	91.9	117	139	141	118	85.8	18.5	0.00	8.23	6.69	20.0
(WY)	(2010)	(2010)	(2010)	(2012)	(2007)	(2009)	(2007)	(2007)	(2007)	(2009)	(2009)	(2008)

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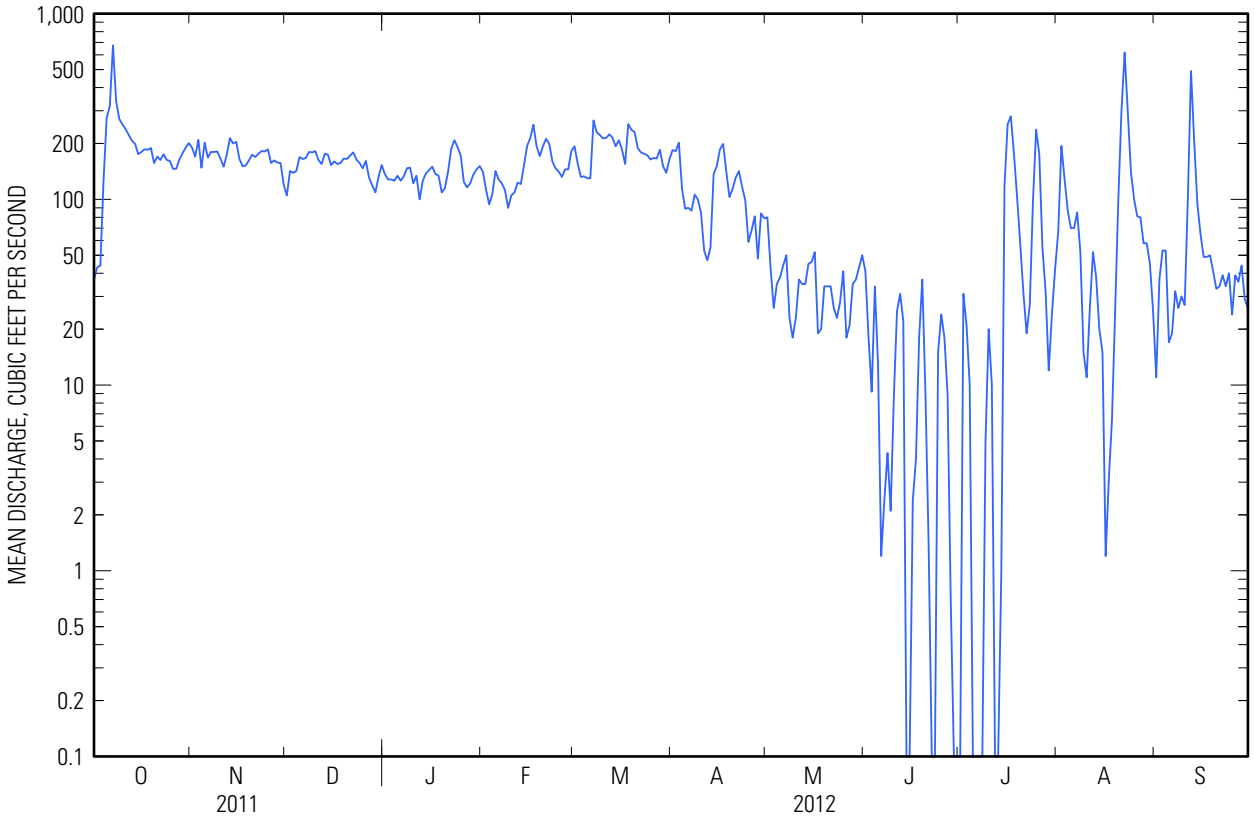
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 2006 - 2012	
Annual total	109,379		41,907.99			
Annual mean	300		115		165	
Highest annual mean					380	2011
Lowest annual mean					95.6	2007
Highest daily mean	1,380	May 10	675	Oct 7	13,900	Dec 22, 2010
Lowest daily mean	10	Aug 10	0.00	Jun 14	0.00	May 22, 2007
Annual seven-day minimum	19	Aug 7	5.0	Jul 4	0.00	May 31, 2007
Maximum peak flow			1,480	Aug 22	30,600	Dec 22, 2010
Maximum peak stage			15.23	Aug 22	26.33	Dec 22, 2010
Annual runoff (ac-ft)	217,000		83,120		119,200	
10 percent exceeds	777		202		305	
50 percent exceeds	181		124		124	
90 percent exceeds	41		14		4.4