103087892 Aspen Creek Overburden Seep near Markleeville, CA

Carson River Basin

LOCATION.--Lat 38°42′45″, long 119°39′11″ referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on left bank, 2.1 mi east of Markleeville and 2.8 mi north of State Highway 89.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1998 to September 2002 (low-flow records only), April 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,100 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Storms or snowmelt that cause peaks greater than 0.25 ft^3/s can bypass this site.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e0.0250	0.0238	0.0331	0.0346	0.0299	0.0327	e0.0360	0.0586	0.0478	0.0441	0.0320	0.0320
2	e0.0250	0.0230	0.0259	0.0317	0.0308	0.0324	e0.0360	0.0578	0.0485	0.0440	0.0311	0.0321
3	0.0249	0.0220	0.0200	0.0286	0.0292	0.0324	e0.0370	0.0563	0.0479	0.0436	0.0310	0.0321
4	0.0245	0.0215	0.0194	0.0274	0.0294	0.0323	e0.0390	0.0554	0.0478	0.0438	0.0314	0.0321
5	0.0244	0.0207	0.0192	0.0268	0.0280	0.0330	e0.0395	0.0547	0.0479	0.0438	0.0313	0.0311
6	0.0244	0.0219	0.0189	0.0271	0.0277	0.0330	e0.0398	0.0543	0.0475	0.0436	0.0308	0.0290
7	0.0249	0.0237	0.0190	0.0267	0.0276	0.0327	0.0398	0.0539	0.0472	0.0430	0.0308	e0.0288
8	0.0247	0.0234	0.0188	0.0259	0.0274	0.0329	0.0406	0.0538	0.0471	0.0431	0.0324	e0.0286
9	0.0243	0.0230	0.0187	0.0256	0.0275	0.0334	0.0414	0.0532	0.0469	0.0426	0.0304	0.0284
10	0.0245	0.0224	0.0185	0.0261	0.0274	0.0332	0.0429	0.0530	0.0468	0.0414	0.0300	0.0282
11	0.0247	0.0220	0.0185	0.0271	0.0274	0.0326	0.0437	0.0527	0.0467	0.0404	0.0309	0.0281
12	0.0244	0.0215	0.0185	0.0269	0.0275	0.0325	0.0450	0.0529	0.0466	0.0400	0.0308	0.0280
13	0.0243	0.0216	0.0183	0.0282	0.0277	0.0327	0.0464	0.0524	0.0468	0.0392	0.0313	e0.0280
14	0.0244	0.0213	0.0181	0.0283	0.0280	0.0331	0.0513	0.0520	0.0463	0.0387	0.0313	e0.0280
15	0.0248	0.0207	0.0180	0.0278	0.0273	0.0332	0.0534	0.0519	0.0465	0.0378	0.0317	e0.0280
16	0.0242	0.0204	0.0181	0.0275	0.0274	0.0333	0.0572	0.0523	0.0458	0.0374	0.0324	e0.0280
17	0.0243	0.0201	0.0180	0.0281	0.0271	0.0333	0.0566	0.0520	0.0454	0.0372	0.0319	e0.0280
18	0.0247	0.0198	0.0199	0.0285	0.0275	0.0335	0.0550	0.0513	0.0451	0.0371	0.0316	e0.0280
19	0.0242	0.0198	0.0196	0.0280	0.0271	0.0333	0.0550	0.0514	0.0452	0.0362	0.0319	e0.0280
20	0.0240	0.0199	0.0194	0.0277	0.0271	0.0334	0.0549	0.0510	0.0452	0.0381	0.0321	e0.0280
21	0.0241	0.0197	0.0242	0.0278	0.0270	0.0334	0.0571	0.0523	0.0451	0.0359	0.0317	e0.0280
22	0.0242	0.0195	0.0285	0.0278	0.0270	0.0333	e0.0595	0.0512	0.0447	0.0349	0.0317	e0.0280
23	0.0244	0.0196	0.0220	0.0277	0.0272	e0.0330	e0.0608	0.0499	0.0450	0.0344	0.0318	e0.0280
24	0.0249	0.0198	0.0207	0.0279	0.0281	e0.0330	e0.0612	0.0494	0.0446	0.0341	0.0317	e0.0280
25	0.0251	0.0210	0.0209	0.0283	0.0285	e0.0330	e0.0618	0.0500	0.0445	0.0333	0.0322	e0.0280
26	0.0250	0.0192	0.0204	0.0282	0.0296	e0.0330	e0.0618	0.0498	0.0447	0.0332	0.0321	e0.0280
27	0.0254	0.0189	0.0225	0.0279	0.0316	e0.0330	e0.0618	0.0499	0.0448	0.0327	0.0319	e0.0280
28	0.0249	0.0194	0.0242	0.0280	0.0335	e0.0340	e0.0617	0.0489	0.0455	0.0327	0.0317	e0.0280
29	0.0245	0.0207	0.0207	0.0288	---	0.0349	0.0616	0.0484	0.0446	0.0323	0.0320	e0.0280
30	0.0240	0.0199	0.0383	0.0297	---	0.0351	0.0603	0.0479	0.0445	0.0321	0.0319	e0.0280
31	0.0242	---	0.3181	0.0290	---	e0.0350	---	0.0476	---	0.0320	0.0325	---
Total	0.7613	0.6302	0.9584	0.8697	0.7915	1.0296	1.5181	1.6162	1.3830	1.1827	0.9783	0.8625
Mean	0.02	0.02	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.04	0.03	0.03
Max	0.0254	0.0238	0.3181	0.0346	0.0335	0.0351	0.0618	0.0586	0.0485	0.0441	0.0325	0.0321
Min	0.0240	0.0189	0.0180	0.0256	0.0270	0.0323	0.0360	0.0476	0.0445	0.0320	0.0300	0.0280
Ac-ft	1.5	1.3	1.9	1.7	1.6	2.0	3.0	3.2	2.7	2.3	1.9	1.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.02	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	0.02	0.02	0.02
Max	0.04	0.07	0.05	0.05	0.03	0.04	0.09	0.05	0.05	0.04	0.04	0.03
(WY)	(2000)	(2002)	(2000)	(2000)	(2002)	(1999)	(1999)	(2006)	(2006)	(2006)	(1999)	(1999)
Min	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.01
(WY)	(2004)	(2005)	(2005)	(2004)	(2004)	(2005)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)

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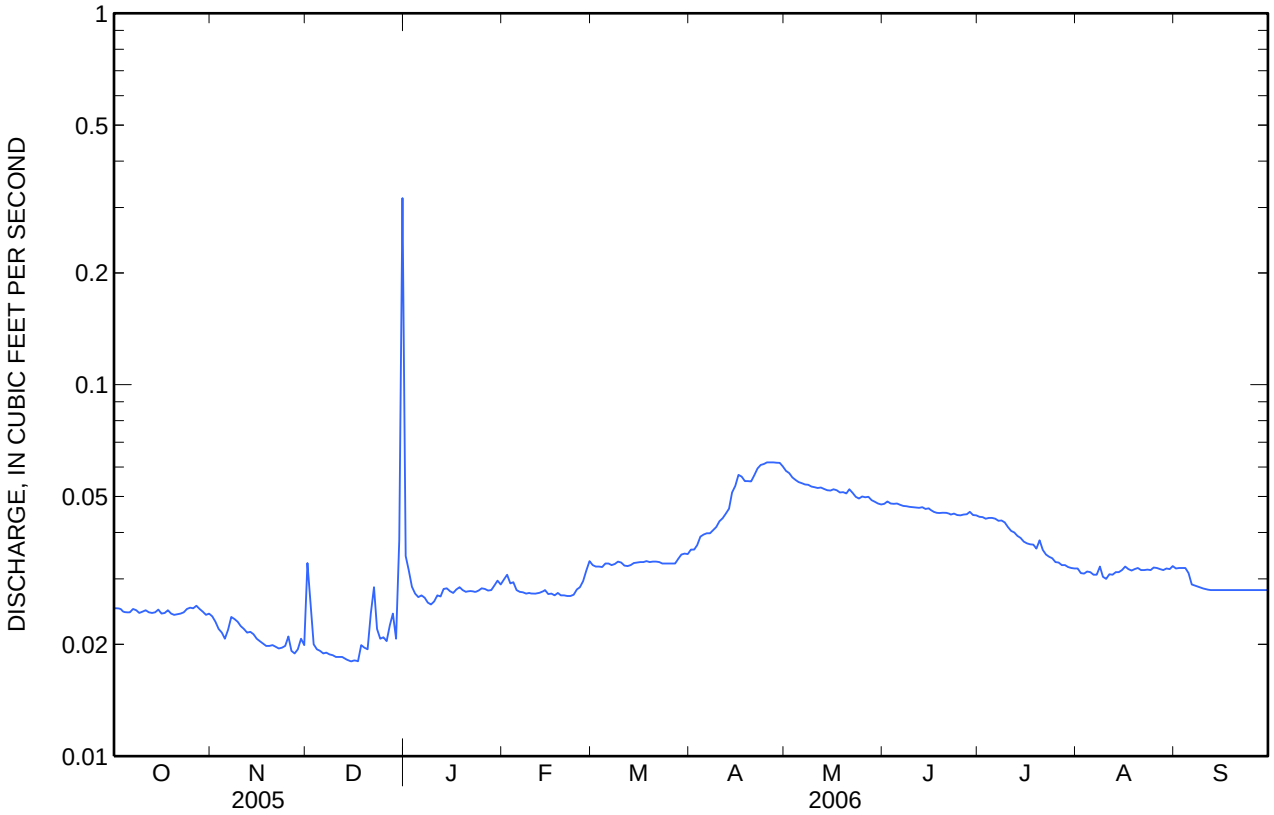
SUMMARY STATISTICS

	Calendar Year 2005	Water Year 2006	Water Years 1999 - 2006
Annual total	10.1225	12.5815	
Annual mean	0.03	0.03	0.02
Highest annual mean			0.03 2006
Lowest annual mean			0.02 2001
Highest daily mean	0.3181 Dec 31	0.3181 Dec 31	0.3181 Dec 31, 2005
Lowest daily mean	0.0153 Jan 3	0.0180 Dec 15	0.0010 Jun 12, 2003
Annual seven-day minimum	0.02 Jan 1	0.02 Dec 11	0.00 Aug 14, 2003
Annual runoff (ac-ft)	20	25	17
10 percent exceeds	0.04	0.05	0.04
50 percent exceeds	0.02	0.03	0.02
90 percent exceeds	0.02	0.02	0.01