

Water-Data Report 2012

09014050 GRAND LAKE OUTLET BELOW CHIPMUNK LANE AT GRAND LAKE, CO

Colorado Headwaters Basin
Colorado Headwaters Subbasin

LOCATION.--Lat 40°14'46.2", long 105°49'39.65" referenced to North American Datum of 1983, in SE ¼ NE ¼ SE ¼ sec.6, T.3 N., R.75 W., Grand County, CO, Hydrologic Unit 14010001, on north bank 300 ft east of Jacob Road bridge, on the canal between Grand Lake and Shadow Mountain Reservoir, in the town of Grand Lake.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April to September 2010 (seasonal records only). December 2010 to current year.

GAGE.--Water-stage recorder and water-velocity recorder with satellite telemetry. Elevation of gage is 8,365 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good except for Oct. 1 to Feb. 10 and July 5-20 and estimated daily discharges, which are poor. Discharges not published from Feb. 11 to July 4 due to large inaccuracies in the water-velocity data. Flow from Shadow Mountain Reservoir to Grand Lake is shown as positive flow on the daily discharge table and hydrograph. Flow from Grand Lake to Shadow Mountain Reservoir is shown as negative flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,910 ft³/s (estimated), June 8, 2010 (occurred during period of seasonal operation), from Grand Lake to Shadow Mountain Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge not determined due to large period of unpublished days.

09014050 GRAND LAKE OUTLET BELOW CHIPMUNK LANE AT GRAND LAKE, CO—Continued

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	461	240	2.0	520	187	---	---	---	---	---	484	e520
2	505	302	-1.4	486	190	---	---	---	---	---	486	e540
3	452	303	3.4	464	178	---	---	---	---	---	498	e530
4	465	285	4.9	427	223	---	---	---	---	---	483	520
5	450	250	3.4	404	250	---	---	---	---	e421	499	533
6	376	283	12	368	286	---	---	---	---	e472	502	536
7	296	383	20	483	29	---	---	---	---	e470	504	541
8	484	365	10	381	96	---	---	---	---	e469	530	540
9	481	348	15	e240	234	---	---	---	---	e551	524	549
10	464	297	10	215	e176	---	---	---	---	e527	527	551
11	417	289	-4.4	228	---	---	---	---	---	e475	533	550
12	328	231	-6.6	155	---	---	---	---	---	e529	526	495
13	397	192	-18	185	---	---	---	---	---	e538	549	518
14	390	168	-6.0	196	---	---	---	---	---	e527	522	480
15	369	192	-1.3	195	---	---	---	---	---	e514	530	493
16	384	221	8.5	193	---	---	---	---	---	e469	517	526
17	443	236	6.7	198	---	---	---	---	---	e479	520	526
18	440	96	-19	152	---	---	---	---	---	e479	497	517
19	499	27	-0.73	167	---	---	---	---	---	e346	466	510
20	444	19	2.4	263	---	---	---	---	---	461	498	522
21	460	23	0.76	224	---	---	---	---	---	467	505	536
22	471	25	-0.57	201	---	---	---	---	---	490	522	544
23	500	42	27	242	---	---	---	---	---	429	534	551
24	482	81	33	242	---	---	---	---	---	364	e520	556
25	511	20	6.2	194	---	---	---	---	---	342	e520	542
26	583	14	5.9	202	---	---	---	---	---	403	e520	532
27	514	-3.3	60	174	---	---	---	---	---	367	e520	505
28	306	-0.76	248	175	---	---	---	---	---	385	e520	530
29	190	2.0	297	144	---	---	---	---	---	462	e520	535
30	128	0.42	434	198	---	---	---	---	---	369	e520	483
31	181	---	375	166	---	---	---	---	---	406	e520	---
Total	12,871	4,930.36	1,527.16	8,082	---	---	---	---	---	---	15,916	15,811
Mean	415	164	49.3	261	---	---	---	---	---	---	513	527
Max	583	383	434	520	---	---	---	---	---	---	549	556
Min	128	-3.3	-19	144	---	---	---	---	---	---	466	480
Ac-ft	25,530	9,780	3,030	16,030	---	---	---	---	---	---	31,570	31,360

Calendar Year 2011

Total	37,734.12
Mean	103
Max	583
Min	-1,160
Ac-ft	74,850

09014050 GRAND LAKE OUTLET BELOW CHIPMUNK LANE AT GRAND LAKE, CO—Continued

