Water-Data Report 2010

09398300 BLUE RIDGE RESERVOIR NEAR PINE, AZ

Little Colorado Basin
Middle Little Colorado Subbasin

LOCATION.--Lat 34°33′19″, long 111°11′00″ referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.33, T.14 N., R.11 E., Coconino County, AZ, Hydrologic Unit 15020008, in Coconino National Forest, on upstream side of left end of spillway structure of Blue Ridge Dam on East Clear Creek, at mouth of General Springs Canyon, 7.3 mi east of Clints Well, and 20 mi northeast of Pine.

DRAINAGE AREA.--71.1 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Dec. 1964 to Mar. 1965 (periodic elevations only), Apr. 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,620 ft above sea level; gage readings have been reduced to elevations NGVD. Prior to Apr. 2, 1965, nonrecording-gage, readings (at intervals of 3 to 8 days) at NGVD.

REMARKS.--Records good. Reservoir is formed by a concrete arch dam. Dam completed and storage began in Dec. 1964. Total capacity is 19,500 acre-ft at elevation 6,735 ft, of which 15,000 acre-ft is usable storage below 6,720 ft, the spillway crest. Drawdown below 6,646.3 ft, 2,620 acre-ft restricted by sill at mouth of diversion tunnel since Nov. 1981. Reservoir serves as a basin from which water is pumped to the East Verde River. (See records for East Verde River diversion from East Clear Creek, near Pine.) Release is possible through valve in base of dam. Figures given herein represent total contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 17,360 acre-ft, Dec. 29, 2004; elevation, 6,728.01 ft; minimum contents since reservoir filled (Apr. 1965), 1,450 acre-ft, Nov. 18-27, 1981; minimum elevation, 6,630.75 ft Nov. 26, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 15,480 acre-ft, Mar. 30, 31, Apr. 1, gage height, 101.75 ft; minimum contents, 10,650 acre-ft, Jan. 18, gage height, 81.96 ft.

09398300 BLUE RIDGE RESERVOIR NEAR PINE, AZ—Continued

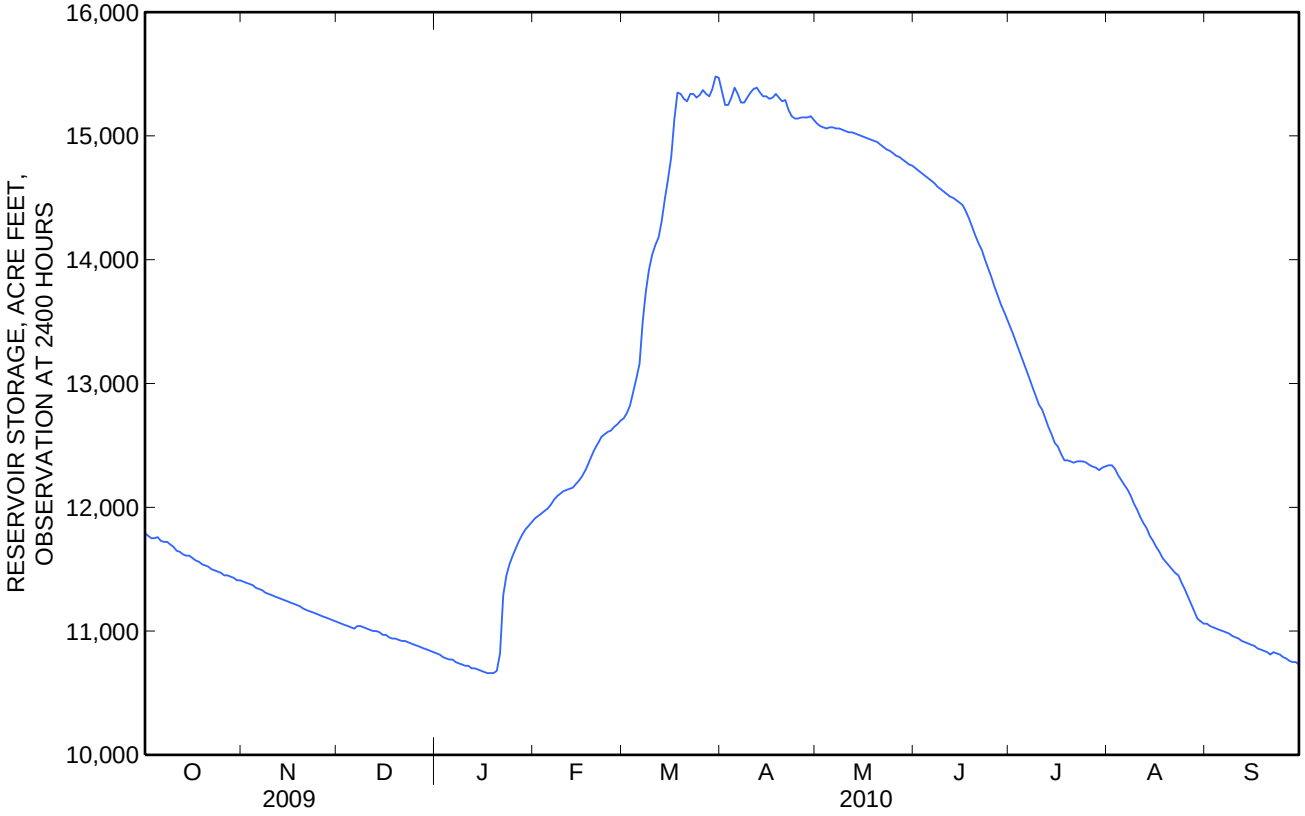
RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11,790	11,400	11,070	10,820	11,910	12,720	15,360	15,100	14,740	13,450	12,340	11,060
2	11,770	11,390	11,060	10,810	11,930	12,760	15,250	15,080	14,720	13,390	12,340	11,040
3	11,750	11,380	11,050	10,790	11,950	12,820	15,250	15,070	14,700	13,320	12,310	11,030
4	11,750	11,370	11,040	10,780	11,970	12,930	15,310	15,060	14,680	13,250	12,260	11,020
5	11,760	11,350	11,030	10,770	11,990	13,040	15,390	15,070	14,660	13,180	12,220	11,010
6	11,730	11,340	11,020	10,770	12,020	13,160	15,340	15,070	14,640	13,110	12,180	11,000
7	11,720	11,330	11,040	10,750	12,060	13,490	15,270	15,060	14,620	13,040	12,140	10,990
8	11,720	11,310	11,040	10,740	12,090	13,740	15,270	15,060	14,590	12,970	12,090	10,980
9	11,700	11,300	11,030	10,730	12,110	13,920	15,310	15,050	14,570	12,900	12,030	10,960
10	11,680	11,290	11,020	10,720	12,130	14,040	15,350	15,040	14,550	12,830	11,980	10,950
11	11,650	11,280	11,010	10,720	12,140	14,120	15,380	15,030	14,530	12,790	11,920	10,940
12	11,640	11,270	11,000	10,700	12,150	14,180	e15,390	15,030	14,510	12,720	11,870	10,920
13	11,620	11,260	11,000	10,700	12,160	14,310	15,350	15,020	14,500	12,650	11,830	10,910
14	11,610	11,250	10,990	10,690	12,190	14,490	15,320	15,010	14,480	12,590	11,770	10,900
15	11,610	11,240	10,970	10,680	12,220	14,650	15,320	15,000	14,460	12,520	11,730	10,890
16	11,590	11,230	10,970	10,670	12,260	14,830	15,300	14,990	14,440	12,490	11,680	10,880
17	11,570	11,220	10,950	10,660	12,300	15,140	15,310	14,980	14,390	12,430	11,640	10,860
18	11,560	11,210	10,940	10,660	12,360	15,350	15,340	14,970	14,330	12,380	11,590	10,850
19	11,540	11,200	10,940	e10,660	12,420	15,340	15,310	14,960	14,260	12,380	11,560	10,840
20	11,530	11,180	10,930	10,680	12,480	15,300	15,280	14,950	14,190	12,370	11,530	10,830
21	11,520	11,170	10,920	10,820	12,520	15,280	15,290	14,930	14,130	12,360	11,500	10,810
22	11,500	11,160	10,920	11,290	12,570	15,340	15,210	14,910	14,080	12,370	11,470	10,830
23	11,490	11,150	10,910	11,450	12,590	15,340	15,160	14,890	14,000	12,370	11,450	10,820
24	11,480	11,140	10,900	11,540	12,610	15,310	15,140	14,880	13,930	12,370	11,390	10,810
25	11,470	11,130	10,890	11,610	12,620	15,330	15,140	14,860	13,860	12,360	11,340	10,790
26	11,450	11,120	10,880	11,670	12,650	15,370	15,150	14,840	13,780	12,340	11,280	10,780
27	11,450	11,110	10,870	11,730	12,670	15,340	15,150	14,830	13,710	12,330	11,220	10,760
28	11,440	11,100	10,860	11,780	12,700	15,320	15,150	14,810	13,640	12,320	11,160	10,750
29	11,430	11,090	10,850	11,820	---	15,380	15,160	14,790	13,580	12,300	11,100	10,750
30	11,410	11,080	10,840	11,850	---	15,480	15,130	14,770	13,520	12,320	11,080	10,730
31	11,410	---	10,830	11,880	---	15,470	---	14,760	---	12,330	11,060	---
Total	359,340	337,050	339,770	341,940	343,770	449,290	458,080	463,870	428,790	392,530	363,060	326,690
Mean	11,590	11,240	10,960	11,030	12,280	14,490	15,270	14,960	14,290	12,660	11,710	10,890
Max	11,790	11,400	11,070	11,880	12,700	15,480	15,390	15,100	14,740	13,450	12,340	11,060
Min	11,410	11,080	10,830	10,660	11,910	12,720	15,130	14,760	13,520	12,300	11,060	10,730
(*)	6705.39	6703.92	6702.77	6707.41	6710.84	6721.70	6720.49	6719.06	6714. 23	6709.29	6703.84	6702.32
(**)	-380	-330	-250	+1050	+820	+2770	-340	-370	-1240	-1190	-1270	-330

	Calendar Year 2009	Water Year 2010
Total	4,779,840	4,604,180
Mean	13,100	12,610
Max	15,370	15,480
Min	10,830	10,660
(**)	-960	-1060

(*) Elevation, in feet, at end of month

(**) Change in contents, in acre feet

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