

Water-Data Report 2007

08401450 BRANTLEY LAKE NEAR CARLSBAD, NM

Upper Pecos Basin
Upper Pecos-Black Subbasin

LOCATION.--Lat 32°32'48", long 104°22'43" referenced to North American Datum of 1983, Eddy County, NM, Hydrologic Unit 13060011, in control tower at Brantley Dam, 2.4 mi downstream from South Seven Rivers, 4.2 mi southeast of Seven Rivers, 6.0 mi south of Lakewood, 11.5 mi northwest of Carlsbad, and at mile 478.6.

DRAINAGE AREA.--17,650 mi², N/A

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1988 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,202.5 ft above NGVD of 1929 (levels by Bureau of Reclamation). Sept. 1, 2001, elevations referenced to the North American Vertical Datum of 1988 (NAVD). Elevation of gage as of Sept. 1, 2001, is 3,204.19 ft above NAVD 1988.

COOPERATION.--Records provided by Bureau of Reclamation.

REMARKS.--Lake is formed by a concrete and earthfill dam on Pecos River. Storage began Aug. 31, 1988. Capacity, 348,540 acre-ft, from capacity table dated June 2001, between elevations 3,205.0 ft and 3,305.19 ft. Dead storage 2,010 acre-ft. Lake was created primarily for irrigation storage and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 49,270 acre-ft, Sept. 22-24, 1991, elevation, 3,257.60 ft; minimum, 2,040 acre-ft, May 26, 1990, elevation, 3,224.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 42,260 acre-ft, March 29, elevation, 3,255.71 ft; minimum, 13,880 acre-ft, Nov 26, elevation, 3,243.22 ft.

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY OBSERVATION AT 0700 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22,060	19,830	14,640	18,280	22,120	25,000	41,690	34,040	33,060	21,740	26,410	18,190
2	21,930	19,940	14,820	18,380	22,280	25,160	41,790	33,800	32,470	21,570	26,320	17,840
3	21,630	20,080	14,870	18,500	22,390	26,720	41,920	33,550	31,810	21,310	26,250	17,470
4	21,250	20,230	14,950	18,580	22,490	28,500	41,790	33,330	31,210	20,970	26,250	17,530
5	20,990	20,420	15,130	18,680	22,600	30,200	41,420	33,330	30,600	20,610	26,520	18,510
6	20,830	20,550	15,260	18,860	22,750	32,070	40,800	33,390	29,980	20,170	26,770	19,620
7	20,640	20,740	15,390	18,940	22,860	34,020	40,180	33,240	29,200	20,140	26,990	20,840
8	20,420	20,840	15,510	19,040	22,980	36,030	39,920	33,500	28,600	21,140	27,110	22,050
9	20,220	20,990	15,630	19,150	23,080	37,680	39,500	33,630	27,990	22,510	27,180	23,120
10	20,060	21,080	15,730	19,250	23,200	38,300	39,250	33,800	27,920	23,960	27,340	24,440
11	19,980	21,160	15,870	19,370	23,340	38,710	38,900	34,140	27,820	25,290	27,360	25,120
12	19,900	21,180	15,990	19,500	23,450	38,990	38,360	34,440	27,710	26,680	27,340	25,240
13	19,620	21,310	16,130	19,620	23,550	39,280	37,870	34,590	27,450	28,360	27,340	25,420
14	19,500	21,380	16,270	19,710	23,670	39,550	37,320	34,760	27,360	29,150	26,720	26,210
15	19,410	21,460	16,390	19,820	23,790	39,790	37,080	34,840	27,400	29,590	26,050	26,590
16	19,550	21,520	16,480	19,890	23,880	39,980	36,920	34,930	26,750	29,860	25,420	26,860
17	19,580	21,590	16,560	20,010	24,000	40,110	36,780	35,100	26,540	30,130	24,650	27,040
18	19,640	21,590	16,720	20,120	24,080	40,270	36,560	35,160	26,380	30,300	23,960	27,200
19	19,900	21,680	16,840	20,240	24,230	40,310	36,330	35,240	26,300	30,180	23,450	26,970
20	20,190	20,460	17,020	20,460	24,290	40,570	36,090	35,390	25,630	29,660	23,100	26,480
21	20,340	19,370	17,050	20,550	24,420	40,700	35,970	35,500	25,310	29,030	22,510	26,270
22	20,630	18,030	17,160	20,700	24,500	40,570	35,650	35,620	24,880	28,860	21,950	25,940
23	20,920	16,690	17,360	20,870	24,680	39,920	35,560	35,480	24,520	28,960	21,420	25,810
24	21,070	15,390	17,420	20,990	24,750	39,340	35,390	35,480	24,230	28,860	20,960	26,160
25	21,070	14,140	17,530	21,100	24,800	39,470	35,100	35,190	24,040	28,580	20,550	26,300
26	20,830	13,880	17,620	21,270	24,840	39,760	34,760	35,390	23,610	28,170	20,230	26,450
27	20,550	14,090	17,750	21,450	24,900	40,310	34,390	35,160	23,080	27,800	20,080	26,610
28	20,280	14,260	17,900	21,570	24,940	40,930	34,250	34,810	22,560	27,520	19,890	26,630
29	20,050	14,490	17,990	21,700	---	42,260	34,080	34,440	22,220	27,200	19,410	26,770
30	19,850	14,550	18,080	21,860	---	41,380	34,020	34,220	21,990	26,990	18,890	26,970
31	19,660	---	18,190	21,960	---	41,520	---	33,720	---	26,700	18,530	---
Max	22,060	21,680	18,190	21,960	24,940	42,260	41,920	35,620	33,060	30,300	27,360	27,200
Min	19,410	13,880	14,640	18,280	22,120	25,000	34,020	33,240	21,990	20,140	18,530	17,470
End of month elevation, in feet	---	---	---	---	---	---	---	---	---	---	---	---
Change in contents, in acre-feet	---	---	---	---	---	---	---	---	---	---	---	---

	Calendar Year 2006	Water Year 2007
Max	35,330	42,260
Min	11,780	13,880

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