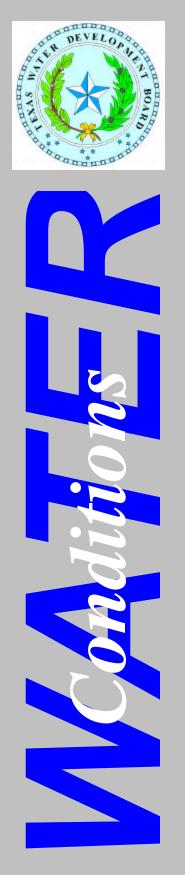
Texas Water Development Board

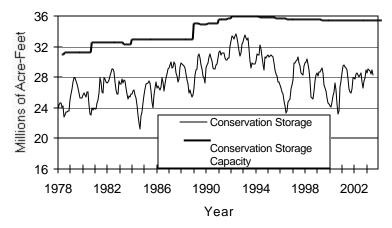


RESERVOIR STORAGE July 2003

Near the end of July, the 77 reservoirs monitored for this report held 28.28 million acre-feet in conservation storage, or 82.0 percent of the conservation storage capacity of the state's major reservoirs. Statewide total storage is below normal for this time of year. Storage decreased during the month by 0.72 million acre-feet (-2.1% of conservation storage capacity). Compared to the previous year, storage is down 0.28 million acre-feet (-0.8%).

Storage in the East (95%) and Upper Coast (99%) Regions is near capacity, while the High Plains (29%) and Trans-Pecos (18%) Regions remained lower than one-third. Storage is at 100% in 13 reservoirs, down 8 from last month. Compared to this time last year, the Edwards Plateau had the largest increase in storage (+5%), while the High Plains had the steepest decline (-8%).

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS



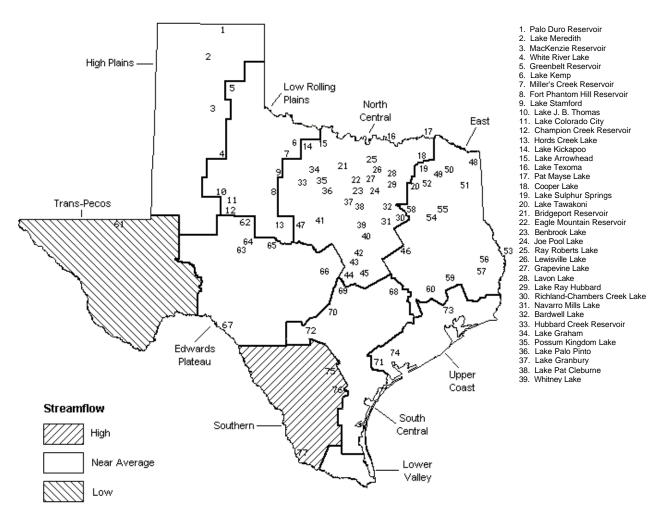
Current data are based on elevation near end of month at 77 reservoirs that represent 98 percent of total conservation storage capacity in Texas reservoirs having a capacity of 5,000 acre-feet or more.

STREAMFLOW

Of 29 reporting index stations in July, computed 30-day mean flows were very high (0% - 5% exceedance) at 1 station, high (5% - 30% exceedance) at 7 stations, near normal (30% - 70% exceedance) at 13 stations, and low (70% - 95% exceedance) at 8 stations. In comparison to June, flows increased at 7 index stations and decreased at 22.

On a regional basis, flows in July were high in the Southern Region, low in the Trans-Pecos Region, and near normal everywhere else.

JULY STREAMFLOW CONDITIONS



Reservoirs Shown on Map

- 40. Waco Lake 41. Proctor Lake
- 42. Belton Lake43. Stillhouse Hollow Lake
- 44. Lake Georgetown
- 45. Granger Lake
- 46. Lake Limestone
- 47. Lake Brownwood
- 48. Wright Patman Lake 49.
- Lake Cypress Springs 50 Lake Bob Sandlin
- 51. Lake O' the Pines
- Lake Fork Reservoir 52.
- 53 Toledo Bend Reservoir
- 54. Lake Palestine
- 55 Lake Tyler 56. Sam Rayburn Reservoir
 - 57. B. A. Steinhagen Lake
 - 58. Cedar Creek Reservoir
- 59. Lake Livingston 60 Lake Conroe
- 61. Red Bluff Reservoir
- 62. E. V. Spence Reservoir
- 63 Twin Buttes Reservoir
- O. C. Fisher Lake 64. O. H. Ivie Reservoir 65
- 66. Lake Buchanan
- 67. Intl. Amistad Reservoir
- 68 Somerville Lake
- 69. Lake Travis
- 70. Canyon Lake 71. Coleto Creek Reservoir
- Medina Lake 72.
 - 73. Lake Houston
 - 74. Lake Texana
 - Choke Canyon Reservoir 75. 76. Lake Corpus Christi
 - 77. Intl. Falcon Reservoir

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No. Conservation		Conservation		Change since		Change since		
or Reservoir	on Storage		Storage		Late June		Late July		
	Map	Capacity	Late July 2003	5	2003		2002		
		(acre-feet)		(%)	(acre-feet)	(%)	(acre-feet)	(%)	
			H PLAINS						
Palo Duro Reservoir	1		-	7	-570	-1		-1	
Lake Meredith (Texas)	2	500,000	165,650	33	-9,680	-2	-48,150	-10	
Lake Meredith						_			
(Texas and Oklahoma)	(2)	779,560	-	21	-9,680	-1		-6	
MacKenzie Reservoir White River Lake	3 4	-	-	15	-320 -790	-1		-1 3	
TOTAL	4	31,850 639,000		24 29	-11,360	-2 -2		-8	
10181		055,000	104,220	25	-11,500	-2	-40,500	-0	
		LOW ROL	LING PLAINS						
Greenbelt Reservoir	5		22,950	39	-1,320	-2	-20	0	
Lake Kemp	6	-	-	67	-19,220	-6	-12,640	-4	
Miller's Creek Reservoir	7	27,890	14,860	53	-1,180	-4	-2,790	-10	
Fort Phantom Hill Reservoir	8	70,030	39,160	56	-3,750	- 5	-12,770	-18	
Lake Stamford	9	52,700	38,110	72	-3,360	-6	-7,980	-15	
Lake J. B. Thomas	10	202,300	21,980	11	-2,250	-1	150	0	
Lake Colorado City	11	30,800	19,120	62	-1,130	-4	1,480	5	
Champion Creek Reservoir	12		-	7	-250	-1	300	1	
Hords Creek Lake	13	8,600		24	-170	-2	-680	-8	
TOTAL		811,720	375,640	46	-32,630	-4	-34,950	-4	
		NODE							
- 1			H CENTRAL			-	10 (10	1.0	
Lake Kickapoo	14		-	70	-5,390	-5	-	-19	
Lake Arrowhead Lake Texoma	15 16	-	-	53 96	9,020- 116,840-	-3 -4	-	-10 -2	
Pat Mayse Lake	17	124,500		92	-5,280	-4	-	0	
Cooper Lake	18	-	-	100	0	0	250	0	
Lake Sulphur Springs	19	17,710		97	-470	- 3	-310	-2	
Lake Tawakoni	20	936,200	-	91	-28,000	- 3		-1	
Bridgeport Reservoir	21	374,830	289,800	77	-17,900	- 5	-18,100	- 5	
Eagle Mountain Reservoir	22	178,380	143,000	80	-8,500	- 5	-22,600	-13	
Benbrook Lake	23	88,200	75,960	86	-7,450	- 8	-2,390	- 3	
Joe Pool Lake	24	175,800	175,570	100	-230	0	-230	0	
Ray Roberts Lake	25	798 , 760	770,360	96	-20,990	- 3	-26,540	- 3	
Lewisville Lake	26	555,000	-	100	0	0	0	0	
Grapevine Lake	27	187,700		92	-9,760	- 5	-6,910	- 4	
Lavon Lake	28	443,800		91	-33,820	-8	-20,350	-5	
Lake Ray Hubbard	29	-	-	94 100	-22,200	-5	-	0	
Richland-Chambers Creek Lake Navarro Mills Lake	30 31			100 94	0 -3,100	0 -6		0 -6	
Bardwell Lake	32	-		86	-1,950	-4		0_	
Hubbard Creek Reservoir	33	-		44	-7,800	-2		-7	
Lake Graham	34	-		61	-1,650	-4	-	-14	
Possum Kingdom Lake	35	-	-	88	-18,000	- 3	-	-8	
Lake Palo Pinto	36	-		62	-2,150	-8		-14	
Lake Granbury	37	135,680	133,300	98	-500	0	200	0	
Lake Pat Cleburne	38	25,300	23,120	91	-1,290	- 5	-1,370	- 5	
Whitney Lake	39	622,800	455,860	73	-25,690	-4	-155,440	-25	
Waco Lake	40	144,500	140,000	97	-4,500	- 3	-4,500	- 3	
Proctor Lake	41	55,590	50,430	91	-4,760	-9	-5,160	-9	
Belton Lake	42	-		99	-6,310	-1	-	-1	
Stillhouse Hollow Lake	43	226,060		100	-950	0	-950	0	
Lake Georgetown	44	-	-	88	-2,440	-7	-	-12	
Granger Lake	45	-		99	-690	-1		-1	
Lake Limestone	46	-		97	-4,200	-2	-	-3	
Lake Brownwood	47	-	-	90	-6,170	-4	-	-3	
TOTAL		11,908,050	10,803,900	91	-378,000	- 3	-479,200	-4	

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservatio	on	Change since		Change since		
or Reservoir	on	Storage Storage			Late June		Late July		
	Map	Capacity	Late July 2003		2003		2002		
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)	
			EAST						
Wright Patman Lake	48		142,700	100	0	0	0	0	
Lake Cypress Springs	49	-	65,470	98	-1,330	-2		-2	
Lake Bob Sandlin	50	-	194,400	96	-7,900	-4	-	-4	
Lake O' the Pines	51	-	230,160	91	-10,790	-4	-21,840	-9	
Lake Fork Reservoir	52		613,200	97	-20,600	- 3	-22,000	- 3	
Toledo Bend Reservoir	53	-		91	-185,000	-4	-	-2	
Lake Palestine	54		400,000	97	-11,300	-3	-2,000	0	
Lake Tyler	55	-	73,700	100	0	0	0	0	
Sam Rayburn Reservoir	56	-	2,808,880	98	-48,310	-2	224,880	8	
B. A. Steinhagen Lake	57		94,200	100	8,250	9	49,560	53	
Cedar Creek Reservoir	58		616,100	97	-20,500	- 3	-10,800	-2	
Lake Livingston	59	-	1,749,000	100	11,000	1	9,000	1	
Lake Conroe	60		410,800	96	-2,700	-1	-10,700	-2	
TOTAL		12,044,350	11,487,610	95	-289,180	-2	137,870	1	
			NS-PECOS						
Red Bluff Reservoir	61	• • • •	54,440	18	-2,560	-1	-	4	
TOTAL		307,000	54,440	18	-2,560	-1	12,050	4	
		EDWARI	OS PLATEAU						
E. V. Spence Reservoir	62	488,760	55,450	11	-3,280	-1	1,750	0	
Twin Buttes Reservoir	63	177,800	5,090	3	-470	0	-930	-1	
O.C. Fisher Lake	64	119,200	3,980	3	-780	-1	-850	-1	
O. H. Ivie Reservoir	65	554 , 340	210,800	38	-11,600	-2	-26,200	- 5	
Lake Buchanan	66	896,980	824,940	92	-41,190	- 5	-34,160	-4	
Amistad Reservoir (Texas)	67	1,771,030	949,000	54	89,000	5	279,000	16	
Amistad Reservoir									
(Texas and Mexico)	(67)	3,151,300	1,179,000	37	162,000	5	350,000	11	
TOTAL		4,008,110	2,049,260	51	31,680	1	218,610	5	
		SOUTI	H CENTRAL						
Somerville Lake	68	155,060	155,060	100	0	0	0	0	
Lake Travis	69	1,144,100	1,028,700	90	-72,900	-6	-115,400	-10	
Canyon Lake	70	385,600	385,150	100	-450	0	-450	0	
Coleto Creek Reservoir	71	35,060	31,230	89	1,890	5	-510	-1	
Medina Lake	72	254,000	250,100	98	2,600	1	-3,900	-2	
TOTAL		1,973,820	1,850,240	94	-68,860	- 3	-120,260	-6	
		UPPI	ER COAST						
Lake Houston	73		128,860	100	0	0	0	0	
Lake Texana	74	-	155,950	99	24,850	16	-750	0	

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

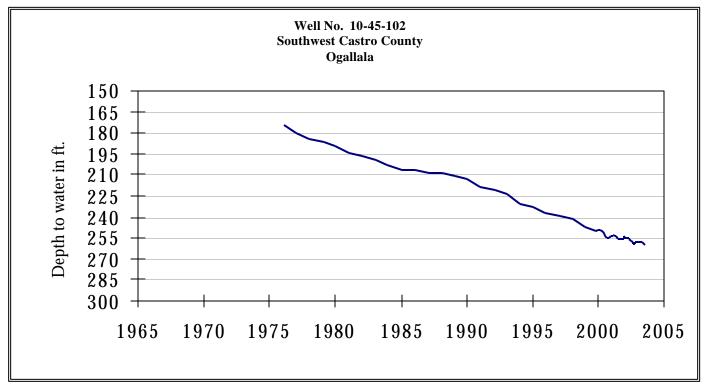
Name of Lake	No.	Conservation	Conservation		Change since		Change since	
or Reservoir	on	Storage	Storage Late July 2003		Late June 2003		Late July 2002	
	Map	Capacity						
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
		SO	JTHERN					
Choke Canyon Reservoir	75	695,260	690,000	99	-1,000	0	1,000	0
Lake Corpus Christi	76	241,240	241,240	100	33,500	14	540	0
Falcon Reservoir (Texas)	77	1,555,120	255,000	16	-29,000	-2	33,000	2
Falcon Reservoir								
(Texas and Mexico)	(77)	2,653,290	406,000	15	49,000	2	88,000	3
TOTAL		2,491,620	1,186,240	48	3,500	0	34,540	1
STATE TOTAL		34,470,430	28,276,360	82	-722,560	-2	-280,470	-1

Note:

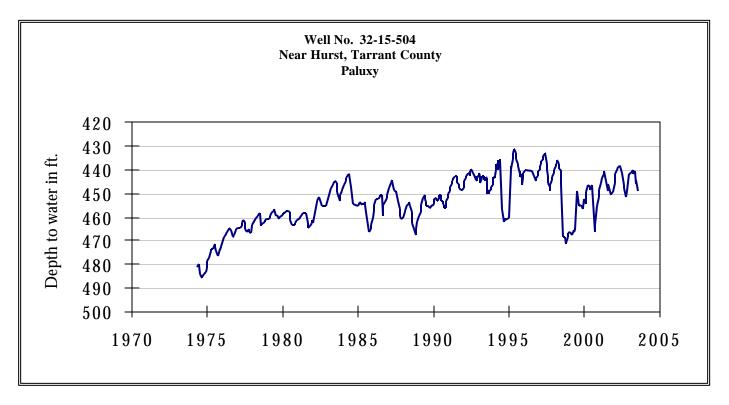
Conservation storage capacity is the space available to store water above the level of invert of lowest outlet works and below the level of top of conservation pool or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not included is any water in flood control storage (above the top of conservation pool or normal maximum operating level), or any water in so called dead storage (in the bottom of the reservoir, below the invert of lowest outlet works and consequently not removable by gravity flow alone.) Percentage of conservation storage is based on the conservation storage capacity of the reservoir and the conservation storage in the reservoir for date shown. Percent change is given by % Change = 100 * (current conservation storage - past conservation storage)/conservation storage capacity.

Current data are based on elevations near end of month at 77 reservoirs that together represent 98 percent of the total conservation storage capacity of major Texas reservoirs (those with capacity of 5,000 acre-feet or more each). Figures in parentheses for Lake Meredith represent the total conservation storage excluding 58,014 acre-feet of dead storage and are not included in State total. Preliminary figures are shown for the United States' share of conservation storage in International Amistad and International Falcon Reservoirs; the estimates may be subject to revision on completion of international water accounting. Texas (United States' share) and Mexico and are not included in State total.

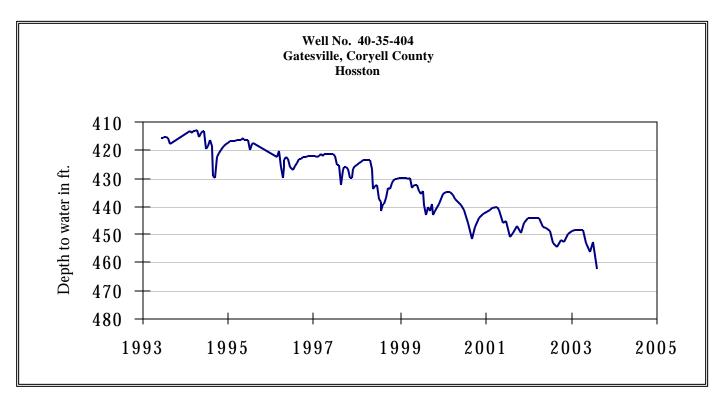
JULY GROUND WATER LEVELS IN OBSERVATION WELLS



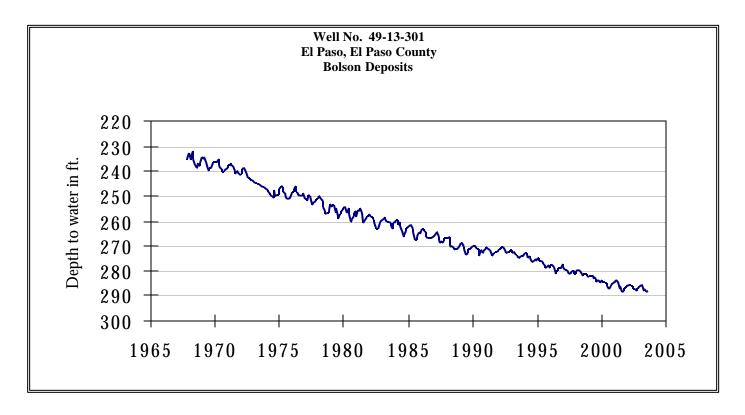
The late July water-level measurement in this Ogallala aquifer well, elevation 3,816 feet above sea level, was 259.90 feet below land surface. This measurement was 0.66 feet below last month's measurement, 1.82 feet below last year's measurement, and 103.90 feet below the initial measurement recorded in 1968.



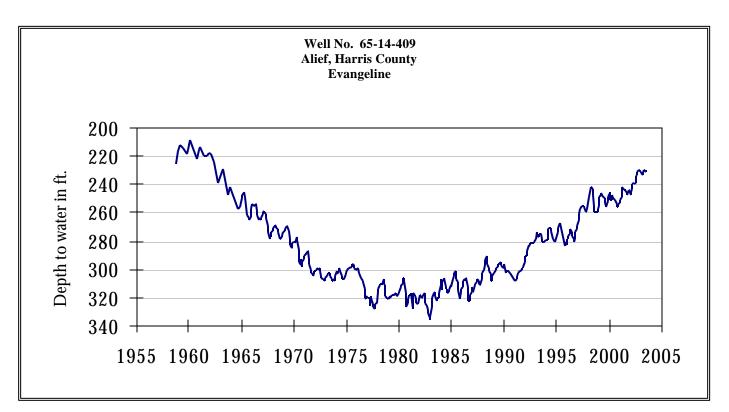
The late July water-level measurement in this Paluxy Formation Trinity aquifer well, elevation 535 feet above sea level, was 449.00 feet below land surface. This measurement was 4.78 feet below last month's measurement, 2.25 feet below last year's measurement, and 55.61 feet below the initial measurement recorded in 1953.



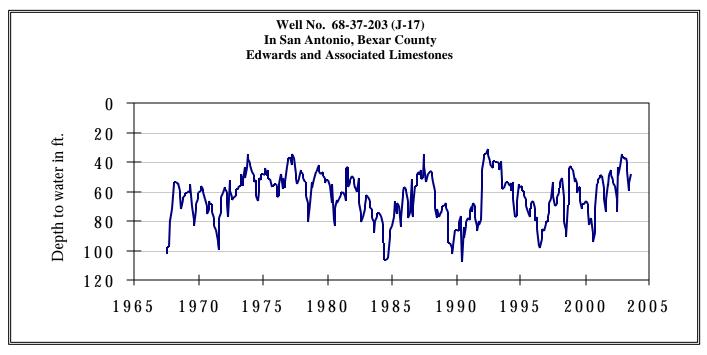
The late July water-level measurement in this Hosston Formation Trinity aquifer well, elevation 823 feet above sea level, was 462.30 feet below land surface. This measurement was 9.53 feet below last month's measurement, 9.14 feet below last year's measurement, and 170.30 feet below the initial measurement recorded in 1955.



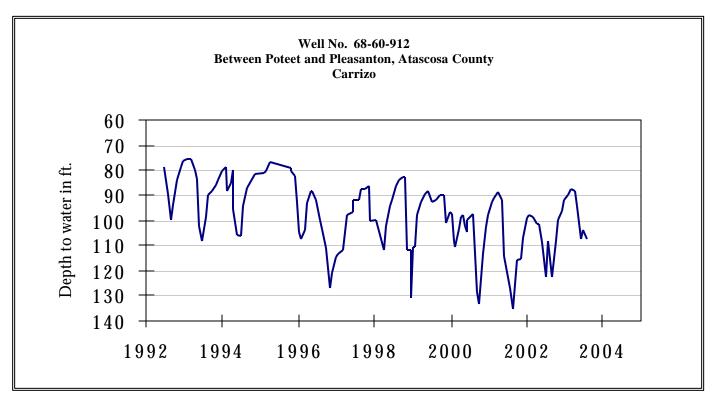
The late July water-level measurement in this Hueco Bolson aquifer well, elevation 3,882 feet above sea level, was 287.90 feet below land surface. This was 0.93 feet above last month's measurement, 0.55 feet below last year's measurement, and 56.00 feet below the initial measurement recorded in 1964.



The late July water-level measurement in this Evangeline Formation Gulf Coast aquifer well, elevation 66 feet above sea level, was 229.60 feet below land surface. This was 0.96 feet above last month's measurement, 5.10 feet above last year's measurement, and 126.37 feet below the initial measurement recorded in 1947.

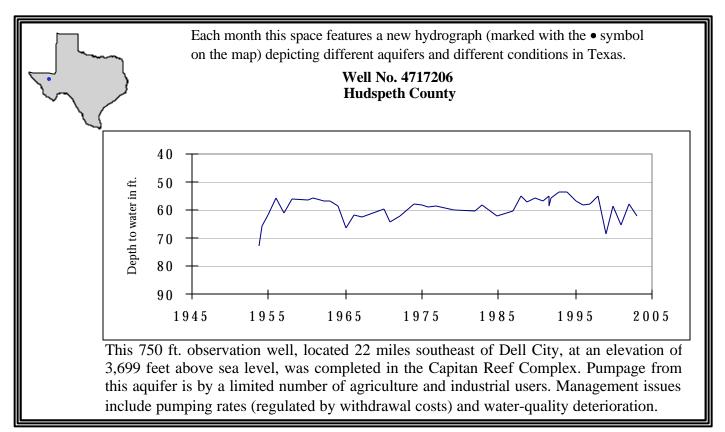


The late July water-level measurement in this Edwards (BFZ) aquifer well, elevation 731 feet above sea level, was 48.00 feet below land surface. This was 6.45 feet above last month's measurement, 4.68 feet below last year's measurement, and 11.62 feet above the initial measurement recorded in 1962.



The late July water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 107.57 feet below land surface. This measurement was 3.70 feet below last month's measurement, 0.73 feet above last year's measurement, and 26.32 feet below the initial measurement recorded in 1965.

HYDROGRAPH OF THE MONTH



TEXAS WATER DEVELOPMENT BOARD 1700 N. CONGRESS AVE. P.O. BOX 13231 AUSTIN TX 78711-3231