Texas Water Development Board

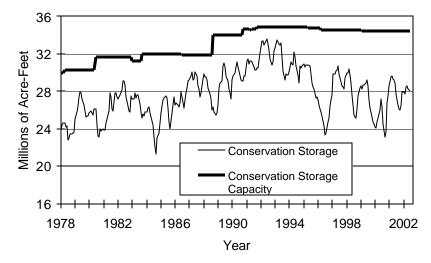


RESERVOIR STORAGE June 2002

Near the end of June, the 77 reservoirs monitored for this report held 27.98 million acre-feet in conservation storage, or 81.2 percent of the conservation storage capacity of the State's major reservoirs. Statewide total storage is below normal for this time of year. Storage dropped slightly for the month. Compared to last year at this time, storage is down 0.92 million acre-feet (-2.7%).

Storage in the East (97%) and North Central (95%) remained near capacity, while the High Plains (37%) Low Rolling Plains (40%), Trans-Pecos (13%), Southern (25%) and Edwards Plateau (42%) Regions remained low. Storage is at 100% in 24 reservoirs, four fewer than last month. Compared to this time last year, storage decreased significantly in the High Plains (-19%), South Central (-7%) and Edwards Plateau (-11%) Regions and remained similar everywhere else.

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS



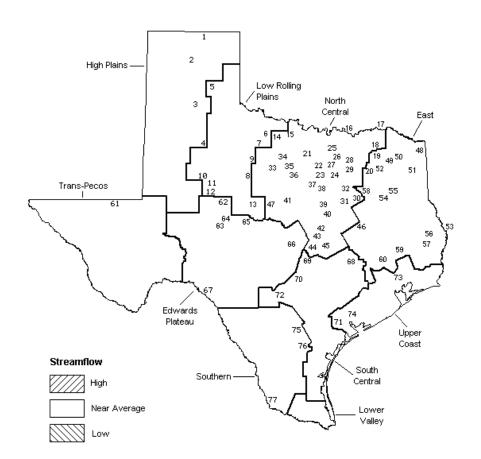
Current data are based on elevation near end of month at 77 reservoirs that represent 98 percent of total conservation storage capacity in Texas reservoirs having a capacity of 5,000 acre-feet or more.

STREAMFLOW

Of 29 reporting index stations in June, computed 30-day mean flows were high (5% - 30% exceedance) at 6 stations, near normal (30% - 70% exceedance) at 14 stations, and low (70% -95% exceedance) at 9 stations. In comparison to May, flows increased at 17 index stations and decreased at 12.

On a regional basis, flows in June were near normal everywhere.

JUNE STREAMFLOW CONDITIONS



Reservoirs Shown on Map

1. Palo Duro Reservoir	40.	Waco Lake
2. Lake Meredith	41.	Proctor Lake
3. MacKenzie Reservoir	42.	Belton Lake
White River Lake	43.	Stillhouse Hollow La
5. Greenbelt Reservoir	44.	Lake Georgetown
6. Lake Kemp		Granger Lake
Miller's Creek Reservoir		Lake Limestone
8. Fort Phantom Hill Reservoir	47.	Lake Brownwood
Lake Stamford	48.	Wright Patman Lake
10. Lake J. B. Thomas	49.	Lake Cypress Sprin
 Lake Colorado City 	50.	Lake Bob Sandlin
12. Champion Creek Reservoir	51.	Lake O' the Pines
Hords Creek Lake		Lake Fork Reservoir
14. Lake Kickapoo	53.	Toledo Bend Reserved
15. Lake Arrowhead	54.	Lake Palestine
16. Lake Texoma		Lake Tyler
Pat Mayse Lake		Sam Rayburn Rese
Cooper Lake		B. A. Steinhagen La
Lake Sulphur Springs		Cedar Creek Reserve
20. Lake Tawakoni		Lake Livingston
Bridgeport Reservoir		Lake Conroe
Eagle Mountain Reservoir		Red Bluff Reservoir
23. Benbrook Lake		E. V. Spence Reser
24. Joe Pool Lake		Twin Buttes Reserve
25. Ray Roberts Lake		O. C. Fisher Lake
26. Lewisville Lake		O. H. Ivie Reservoir
27. Grapevine Lake		Lake Buchanan
28. Lavon Lake		Intl. Amistad Reserv
29. Lake Ray Hubbard		Somerville Lake
30. Richland-Chambers Creek Lake		Lake Travis
31. Navarro Mills Lake		Canyon Lake
32. Bardwell Lake		Coleto Creek Reser
33. Hubbard Creek Reservoir		Medina Lake
34. Lake Graham		Lake Houston
35. Possum Kingdom Lake		Lake Texana
36. Lake Palo Pinto		Choke Canyon Res
37. Lake Granbury		Lake Corpus Christi
38. Lake Pat Cleburne	77.	Intl. Falcon Reservo
39. Whitney Lake		

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CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservation	Change since	Change since	
or Reservoir	on	Storage	Storage	Late May	Late June	
	Мар	-	Late June 2002	2002	2001	
	1	(acre-feet)		(acre-feet) (%)		
		HIGH F	LAINS			
Palo Duro Reservoir	1	60,900	5,070 8	340 1	-3,790 -6	
Lake Meredith (Texas)	2	500,000	218,600 44	-8,400 -2		
Lake Meredith						
(Texas and Oklahoma)	(2)	779,560	218,600 28	-8,400 -1	-110,200 -14	
MacKenzie Reservoir	3	46,250	7,490 16	-210 0	-2,100 -5	
White River Lake	4	31,850	6,730 21	-40 0	-3,310 -10	
TOTAL		639,000	237,890 37	-8,310 -1	-119,400 -19	
		LOW ROLLI	NG PLAINS			
Greenbelt Reservoir	5	58,200	23,400 40	-440 -1	-2,360 -4	
Lake Kemp	6	319,600	176,000 55	6,000 2	-5,200 -2	
Miller's Creek Reservoir	7	27,890	17,970 64	2,520 9	2,100 8	
Fort Phantom Hill Reservoir	8	70,030	28,240 40	-1,900 -3	-,	
Lake Stamford	9	52,700		-1,160 -2		
Lake J. B. Thomas	10	202,300	-	-890 0		
Lake Colorado City	11	30,800	-	50 0		
Champion Creek Reservoir	12	41,600	-	-10 0		
Hords Creek Lake	13	8,600	-	-110 -1	•	
TOTAL		811,720	324,450 40	4,060 1	3,750 0	
		NORTH C	ENTRAL			
Lake Kickapoo	14	106,000	92,750 88	2,790 3	-2,160 -2	
Lake Arrowhead	15	262,100	166,900 64	2,200 1	-23,600 -9	
Lake Texoma	16	2,722,300	2,722,300 100	54,300 2	23,300 1	
Pat Mayse Lake	17	124,500	118,300 95	-4,300 -3	-3,900 -3	
Cooper Lake	18	273,000	-	0 0		
Lake Sulphur Springs	19	17,710	-	0 0	-,	
Lake Tawakoni	20	936,200	•	-15,000 -2	,	
Bridgeport Reservoir	21	374,830	-	-1,000 0		
Eagle Mountain Reservoir	22 23	178,380	-	-2,500 -1 -3,760 -4	.,	
Benbrook Lake Joe Pool Lake	23	88,200 175,800	-	-3,760 -4 0 0		
Ray Roberts Lake	24	798,760	-	0 0		
Lewisville Lake	25	555,000	•	0 0		
Grapevine Lake	20	187,700	-	-4,000 -2		
Lavon Lake	28	443,800		0 0	•	
Lake Ray Hubbard	29	413,420		-16,800 -4	• • • •	
Richland-Chambers Creek Lake	30	1,103,820		0 0		
Navarro Mills Lake	31	55,810		0 0		
Bardwell Lake	32	53,580		-470 -1	980 2	
Hubbard Creek Reservoir	33	317,800	124,400 39	-4,400 -1	-21,800 -7	
Lake Graham	34	45,000	34,710 77	-320 -1	-6,850 -15	
Possum Kingdom Lake	35	551,820	519,500 94	14,200 3	-1,200 0	
Lake Palo Pinto	36	27,650	22,480 81	-1,560 -6	-620 -2	
Lake Granbury	37	135,680	130,900 96	-2,400 -2	5,000 4	
Lake Pat Cleburne	38	25,300		0 0	•	
Whitney Lake	39	622,800		0 0	11,300 2	
Waco Lake	40	144,500	-	-3,500 -2		
Proctor Lake	41	55,590		-1,910 -3		
Belton Lake	42	434,500	-	2,000 0		
Stillhouse Hollow Lake	43	226,060		0 0		
Lake Georgetown	44	-		3,300 9		
Granger Lake	45	54,280		0 0		
Lake Limestone	46	215,750		0 0 -3,400 -2		
Lake Brownwood TOTAL	47	143,400 11,908,050		-3,400 -2 13,470 0	•	
IVIAL		11,900,030	11,372,330 95	13, 10 0	-30,390 0	

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservation	Change since		Change since	e	
or Reservoir	on	Storage	Storage	Late May 2002 (acre-feet) (%)		Late June		
	Мар	Capacity	Late June 2002			2001		
		(acre-feet)	(acre-feet) (%)			(acre-feet) (%)		
		•						
		EA						
Wright Patman Lake	48	,		0	0	0	0	
Lake Cypress Springs	49			0	0	0	0	
Lake Bob Sandlin	50		-	0	0	0	0	
Lake O' the Pines	51	• • • •	-	0	0	0	0	
Lake Fork Reservoir	52		-	0	0	0	0	
Toledo Bend Reservoir	53				-3	-32,000	-1	
Lake Palestine	54	• • • •	-	-5,000	-1	-5,800	-1	
Lake Tyler	55		-	0	0	0	0	
Sam Rayburn Reservoir	56			,	-4	-186,300	-6	
B. A. Steinhagen Lake	57	· · ·	-	1,760	2	-20,850		
Cedar Creek Reservoir	58		-	,	-2	-2,500	0	
Lake Livingston	59			0	0	20,000	1	
Lake Conroe	60		-	-400	0	-15,200	-4	
TOTAL		12,044,350	11,666,990 97	-252,140	-2	-242,650	-2	
		TRANS-	PECOS					
Red Bluff Reservoir	61			70	0	-2,790	-1	
TOTAL		307,000	•	70	0	-2,790	-1	
		EDWARDS	PLATEAU					
E. V. Spence Reservoir	62	488,760	54,320 11	-1,310	0	-17,470	-4	
Twin Buttes Reservoir	63		-	-390	0	-470	0	
O.C. Fisher Lake	64	119,200	2,980 3	-260	0	-3,160	-3	
O. H. Ivie Reservoir	65	554,340	226,100 41	-8,600	-2	-68,900	-12	
Lake Buchanan	66	896,980	779,000 87	-19,500	-2	-53,200	-6	
Amistad Reservoir (Texas)	67	1,771,030	626,000 35	-27,000	-2	-308,000	-17	
Amistad Reservoir								
(Texas and Mexico)	(67)	3,151,300	812,000 26	-12,000	0	-317,000	-10	
TOTAL		4,008,110	1,694,610 42	-57,060	-1	-451,200	-11	
		SOUTH C	ENTRAL					
Somerville Lake	68	155,060	152,700 98	1,000	1	-2,360	-2	
Lake Travis	69	1,144,100	965,300 84	3,200	0	-124,700	-11	
Canyon Lake	70	385,600	385,600 100	7,200	2	0	0	
Coleto Creek Reservoir	71	35,060	28,720 82	590	2	100	0	
Medina Lake	72	254,000	237,500 94	9,200	4	-8,300	- 3	
TOTAL		1,973,820	1,769,820 90	21,190	1	-135,260	-7	
		UPPER	COAST					
Lake Houston	73	128,860	128,860 100	0	0	0	0	
Lake Texana	74	157,900	138,800 88	-2,200	-1	-5,600	-4	
TOTAL		286,760	267,660 93	-2,200	-1	-5,600	-2	

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

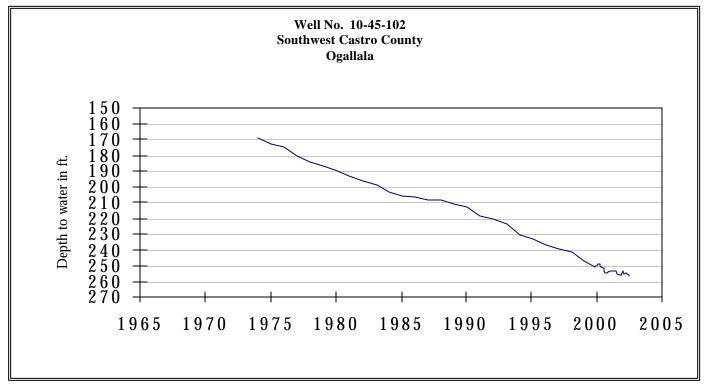
Name of Lake or Reservoir	No. on Map	Conservation Storage Capacity	Conservation Storage Late June 200		Change sinc Late May 2002	e	Change sinc Late June 2001	
		(acre-feet)		-	(acre-feet)	(%)	(acre-feet)	(%)
SOUTHERN								
Choke Canyon Reservoir	75	695,260	271,000	39	20,000	3	23,000	3
Lake Corpus Christi	76	241,240	208,500	86	11,300	5	133,370	55
Falcon Reservoir (Texas)	77	1,555,120	155,000	10	-27,000	-2	-84,000	-5
Falcon Reservoir								
(Texas and Mexico)	(77)	2,653,290	226,000	9	-37,000	-1	-54,000	-2
TOTAL		2,491,620	634,500	25	4,300	0	72,370	3
STATE TOTAL		34,470,430	27,978,530	81	-276,620	-1	-917,370	-3

Note:

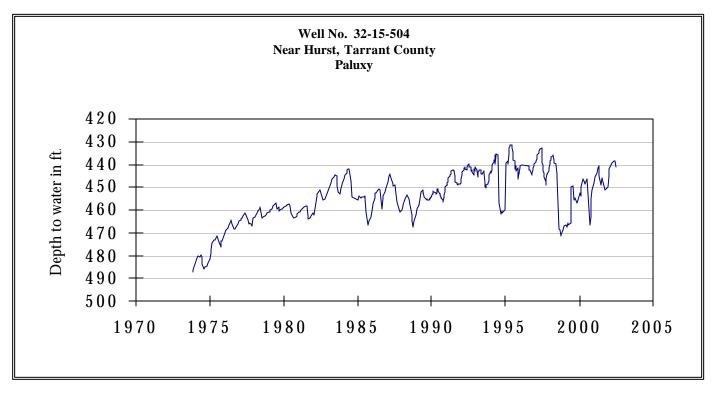
Conservation storage capacity is the space available to store water above the level of invert of lowest outlet works and below the level of top of conservation pool or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not included 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.

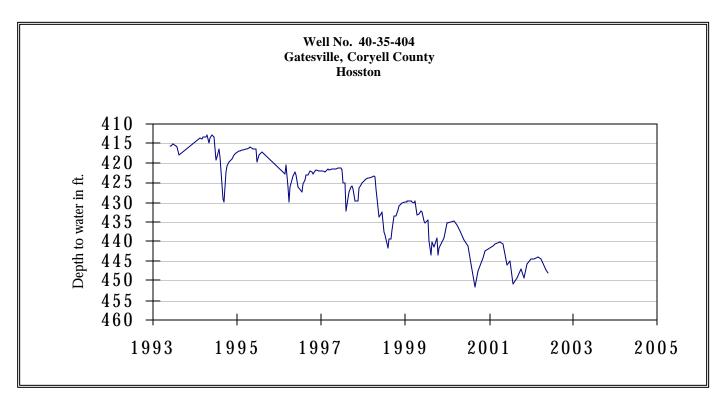
JUNE GROUND WATER LEVELS IN OBSERVATION WELLS



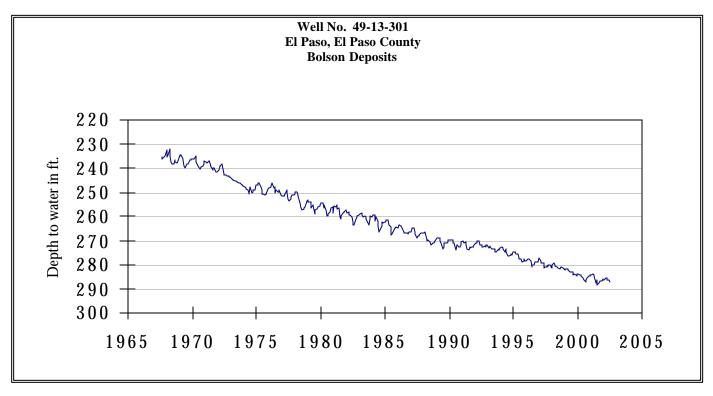
The late June water-level measurement in this Ogallala aquifer well, elevation 3,816 feet above sea level, was 256.98 feet below land surface. This measurement was 1.11 feet below last month's measurement, 2.33 feet below last year's measurement, and 100.98 feet below the initial measurement recorded in 1968.



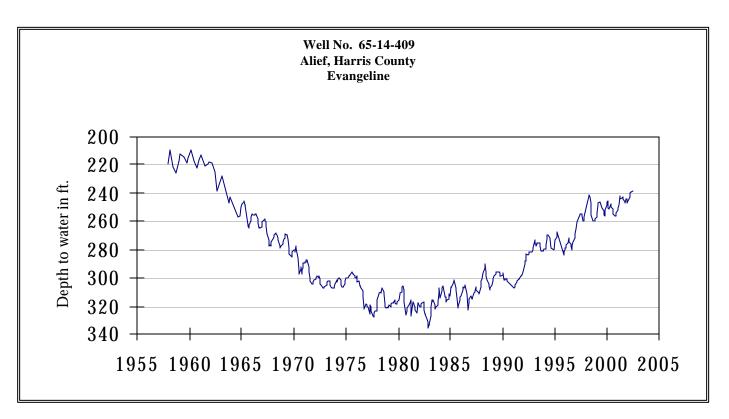
The late June water-level measurement in this Paluxy Formation Trinity aquifer well, elevation 535 feet above sea level, was 441.33 feet below land surface. This measurement was 3.15 feet below last month's measurement, 7.42 feet above last year's measurement, and 47.94 feet below the initial measurement recorded in 1953.



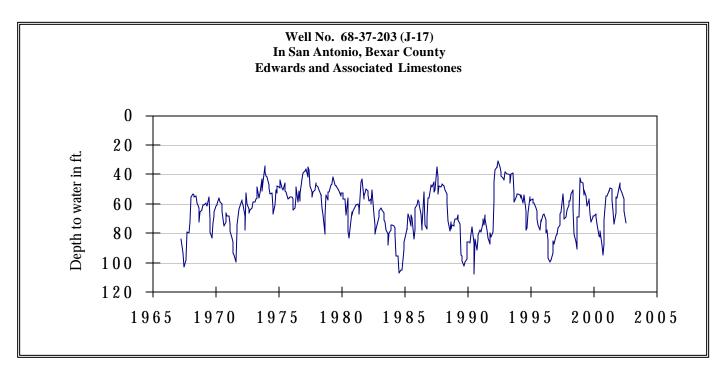
The late June water-level measurement in this Hosston Formation Trinity aquifer well, elevation 823 feet above sea level, was 449.09 feet below land surface. This measurement was 1.30 feet below last month's measurement, 4.04 feet below last year's measurement, and 155.79 feet below the initial measurement recorded in 1955.



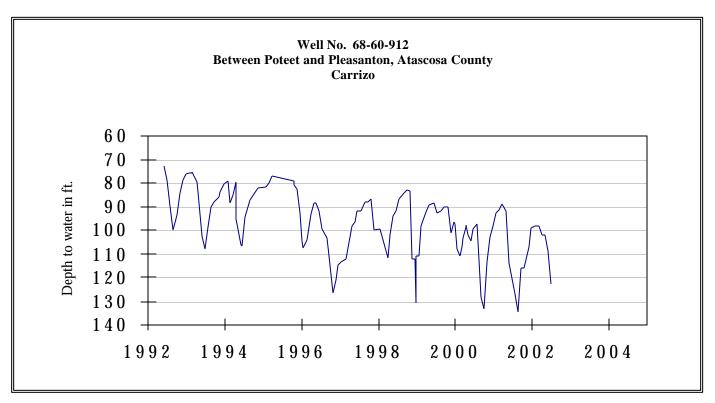
The late June water-level measurement in this Hueco Bolson aquifer well, elevation 3,882 feet above sea level, was 287.29 feet below land surface. This was 1.13 feet below last month's measurement, 0.95 feet below last year's measurement, and 55.39 feet below the initial measurement recorded in 1964.



The late June water-level measurement in this Evangeline Formation Gulf Coast aquifer well, elevation 66 feet above sea level, was 238.31 feet below land surface. This was 0.89 feet above last month's measurement, 4.69 feet above last year's measurement, and 135.08 feet below the initial measurement recorded in 1947.

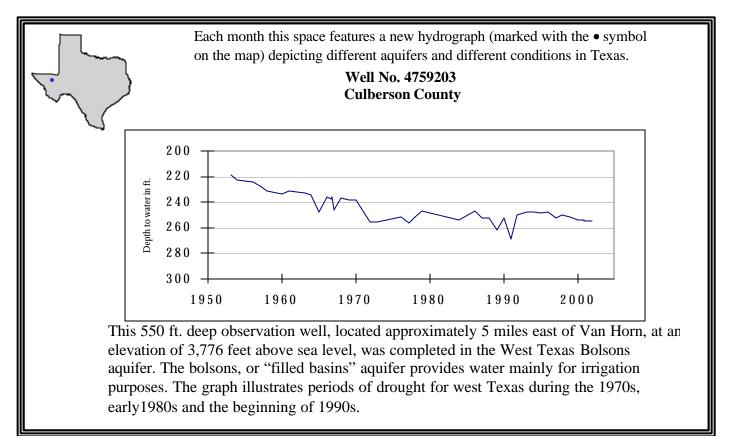


The late June water-level measurement in this Edwards (BFZ) aquifer well, elevation 731 feet above sea level, was 73.38 feet below land surface. This was 8.28 feet below last month's measurement, 8.30 feet below last year's measurement, and 13.76 feet below the initial measurement recorded in 1962.



The late June water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 122.80 feet below land surface. This measurement was 14.03 feet below last month's measurement, 8.83 feet below last year's measurement, and 41.51 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