Texas Water Development Board

WATER Conditions

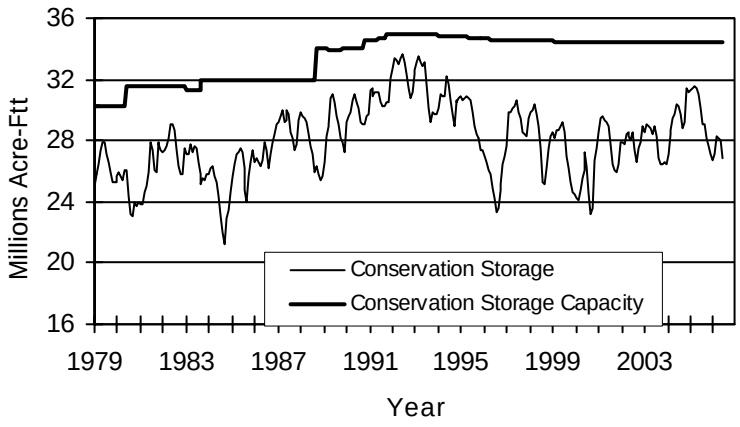
RESERVOIR STORAGE

June 2006

Near the end of June, the 77 reservoirs monitored for this report held 26.8 million acre-feet in conservation storage, or 78 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 1.25 million acre-feet (-4% of conservation storage capacity). Compared to last year, storage decreased by 3.37 million acre-feet (-10%).

Storage was 97% of capacity in the Upper Coast Region but below 90% in all other Regions, with the lowest in the High Plains Region (20%). Storage was at 100% in 4 reservoirs. During June, storage increased in 4 reservoirs but decreased in 66 reservoirs. Regionally, storage decreased in 8 out of 9 Regions, increasing only in the Upper Coast Region. Compared to this time last year, the storage decreased in all Regions except the Upper Coast where storage increased by 1%. The sharpest decrease was in the South Central Region (-24%).

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.

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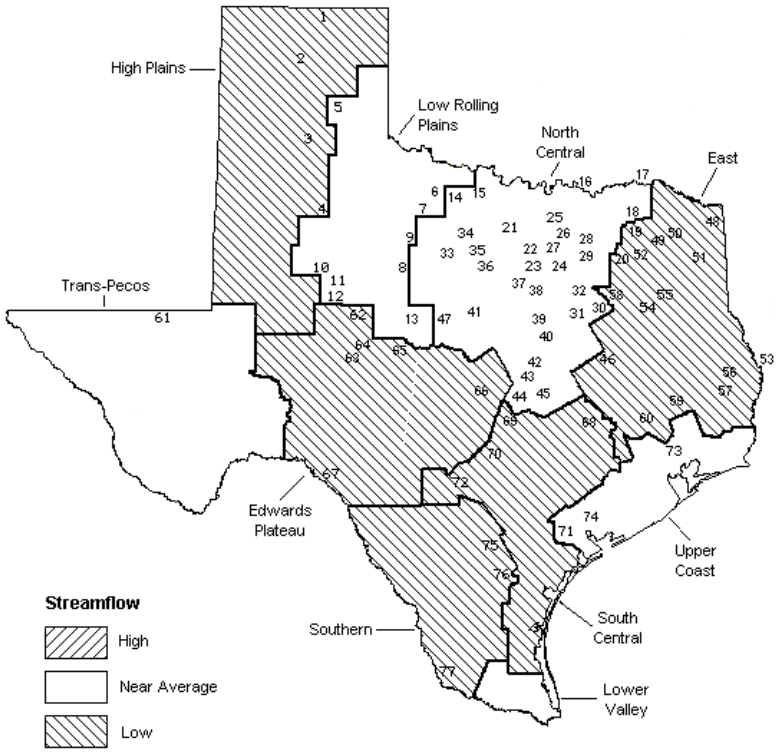
STREAMFLOW

Of 29 reporting index stations in June, computed 30-day mean flows were low (70% - 95%) at 13 stations, very low (>95%) at 1 station, and near normal (30% - 70% exceedance) at the remaining 15 stations. Compared to May, flows have increased at 5 index stations and decreased at 24 stations.

On a regional basis, flows in June were low in the High Plains, East Texas, Edwards Plateau, South Central and Southern Regions, but normal in all other Regions. Streamflow in the Lower Valley Region is not monitored.

JUNE STREAMFLOW CONDITIONS



Reservoirs Shown on Map

1. Palo Duro Reservoir
2. Lake Meredith
3. MacKenzie Reservoir
4. White River Lake
5. Greenbelt Reservoir
6. Lake Kemp
7. Miller's Creek Reservoir
8. Fort Phantom Hill Reservoir
9. Lake Stamford
10. Lake J. B. Thomas
11. Lake Colorado City
12. Champion Creek Reservoir
13. Hords Creek Lake
14. Lake Kickapoo
15. Lake Arrowhead
16. Lake Texoma
17. Pat Mayse Lake
18. Cooper Lake
19. Lake Sulphur Springs
20. Lake Tawakoni
21. Bridgeport Reservoir
22. Eagle Mountain Reservoir
23. Benbrook Lake
24. Joe Pool Lake
25. Ray Roberts Lake
26. Lewisville Lake
27. Grapevine Lake
28. Lavon Lake
29. Lake Ray Hubbard
30. Richland-Chambers Creek Lake
31. Navarro Mills Lake
32. Bardwell Lake
33. Hubbard Creek Reservoir
34. Lake Graham
35. Possum Kingdom Lake
36. Lake Palo Pinto
37. Lake Granbury
38. Lake Pat Cleburne
39. Whitney Lake
40. Waco Lake
41. Proctor Lake
42. Belton Lake
43. 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
52. Lake Fork Reservoir
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
64. O. C. Fisher Lake
65. O. H. Ivie Reservoir
66. Lake Buchanan
67. Intl. Amistad Reservoir
68. Somerville Lake
69. Lake Travis
70. Canyon Lake
71. Coleto Creek Reservoir
72. Medina Lake
73. Lake Houston
74. Lake Texana
75. Choke Canyon Reservoir
76. Lake Corpus Christi
77. Intl. Falcon Reservoir

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake or Reservoir	No. on Map	Conservation Storage Capacity (acre-feet)	Conservation Storage Late Jun. 2006 (acre-feet)	(%)	Change since Late May 2006 (acre-feet)	(%)	Change since Late June 2005 (acre-feet)	(%)
HIGH PLAINS								
Palo Duro Reservoir	1	60,900	1,090	2	-120	0	-2,240	-4
Lake Meredith (Texas)	2	500,000	112,470	22	-9,220	-2	-69,690	-14
Lake Meredith (Texas and Oklahoma)	(2)	779,560	112,470	14	-9,220	-1	-69,690	-9
MacKenzie Reservoir	3	46,250	9,010	19	-110	0	-1,640	-4
White River Lake	4	31,850	4,040	13	-530	-2	-4,480	-14
TOTAL		639,000	126,610	20	-9,980	-2	-78,050	-12
LOW ROLLING PLAINS								
Greenbelt Reservoir	5	58,200	19,630	34	-730	-1	-6,300	-11
Lake Kemp	6	319,600	223,930	70	-25,370	-8	1,330	0
Miller's Creek Reservoir	7	27,890	22,960	82	-1,410	-5	2,460	9
Fort Phantom Hill Reservoir	8	70,030	51,390	73	-3,260	-5	-6,660	-10
Lake Stamford	9	52,700	44,180	84	-2,850	-5	9,100	17
Lake J. B. Thomas	10	202,300	43,120	21	-3,540	-2	-9,980	-5
Lake Colorado City	11	30,800	25,690	83	-1,060	-3	-2,920	-9
Champion Creek Reservoir	12	41,600	5,920	14	-310	-1	1,090	3
Hords Creek Lake	13	8,600	5,770	67	-310	-4	-1,980	-23
TOTAL		811,720	442,590	55	-38,840	-5	-13,860	-2
NORTH CENTRAL								
Lake Kickapoo	14	106,000	79,310	75	-5,090	-5	16,130	15
Lake Arrowhead	15	262,100	201,810	77	-11,510	-4	19,210	7
Lake Texoma	16	2,722,300	2,545,020	93	-111,390	-4	257,880	9
Pat Mayse Lake	17	124,500	90,970	73	-5,280	-4	-22,580	-18
Cooper Lake	18	273,000	146,200	54	-18,680	-7	-95,650	-35
Lake Sulphur Springs	19	17,710	16,250	92	-970	-5	320	2
Lake Tawakoni	20	936,200	642,900	69	-36,200	-4	-159,600	-17
Bridgeport Reservoir	21	374,830	245,100	65	-17,500	-5	-86,700	-23
Eagle Mountain Reservoir	22	178,380	140,800	79	-3,600	-2	-19,700	-11
Benbrook Lake	23	88,200	69,810	79	-6,900	-8	-9,840	-11
Joe Pool Lake	24	175,800	172,990	98	-2,810	-2	370	0
Ray Roberts Lake	25	798,760	696,280	87	-22,730	-3	-83,770	-10
Lewisville Lake	26	555,000	428,470	77	-29,140	-5	-126,530	-23
Grapevine Lake	27	187,700	133,820	71	-9,520	-5	-35,140	-19
Lavon Lake	28	443,800	256,430	58	-28,700	-6	-164,040	-37
Lake Ray Hubbard	29	413,420	375,100	91	-23,000	-6	-23,800	-6
Richland-Chambers Creek Lake	30	1,103,820	882,500	80	-30,600	-3	-217,500	-20
Navarro Mills Lake	31	55,810	33,290	60	-2,080	-4	-20,050	-36
Bardwell Lake	32	53,580	43,840	82	-2,380	-4	-1,270	-2
Hubbard Creek Reservoir	33	317,800	181,370	57	-3,120	-1	-4,620	-1
Lake Graham	34	45,000	43,200	96	-350	-1	4,580	10
Possum Kingdom Lake	35	551,820	513,060	93	-15,560	-3	38,460	7
Lake Palo Pinto	36	27,650	19,450	70	-730	-3	-3,940	-14
Lake Granbury	37	135,680	131,100	97	-1,960	-1	-1,200	-1
Lake Pat Cleburne	38	25,300	23,320	92	-1,490	-6	-780	-3
Whitney Lake	39	622,800	549,140	88	-23,960	-4	-17,350	-3
Waco Lake	40	144,500	144,500	100	0	0	0	0
Proctor Lake	41	55,590	37,950	68	-4,880	-9	-13,910	-25
Belton Lake	42	434,500	402,570	93	-9,090	-2	-31,150	-7
Stillhouse Hollow Lake	43	226,060	226,060	100	380	0	0	0
Lake Georgetown	44	37,010	22,870	62	-2,190	-6	-12,240	-33
Granger Lake	45	54,280	53,180	98	370	1	-1,100	-2
Lake Limestone	46	215,750	207,750	96	-3,910	-2	4,130	2
Lake Brownwood	47	143,400	113,900	79	-5,840	-4	-14,950	-10
TOTAL		11,908,050	9,870,310	83	-440,410	-4	-826,330	-7

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

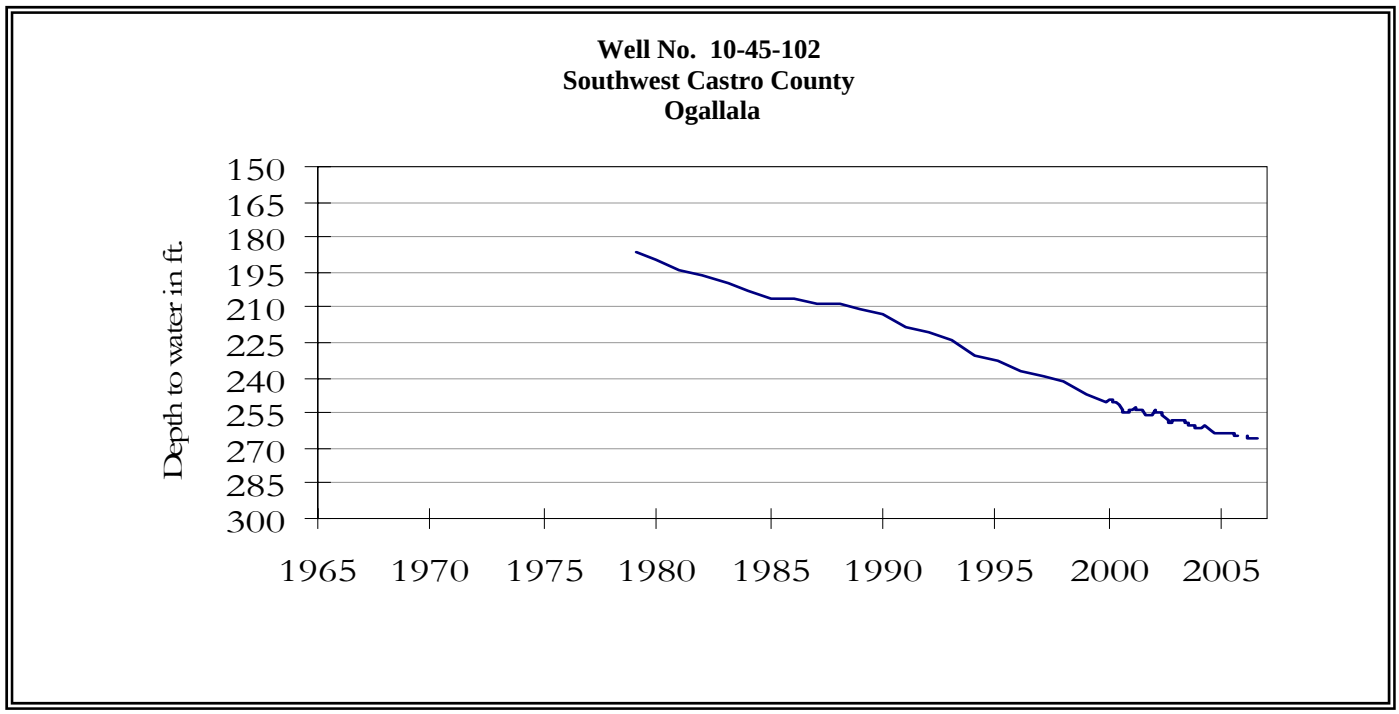
Name of Lake or Reservoir	No. on Map	Conservation Storage Capacity (acre-feet)	Conservation Storage Late Jun. 2006 (acre-feet)	(%)	Change since Late May 2006 (acre-feet)	(%)	Change since Late June 2005 (acre-feet)	(%)
EAST								
Wright Patman Lake	48	142,700	142,700	100	0	0	0	0
Lake Cypress Springs	49	66,800	58,560	88	-1,890	-3	-6,090	-9
Lake Bob Sandlin	50	202,300	151,100	75	-8,200	-4	-37,000	-18
Lake O' the Pines	51	252,000	196,330	78	-12,690	-5	-24,840	-10
Lake Fork Reservoir	52	635,200	594,800	94	-12,800	-2	-40,400	-6
Toledo Bend Reservoir	53	4,472,900	3,530,000	79	-265,000	-6	-296,000	-7
Lake Palestine	54	411,300	354,750	86	-11,710	-3	-45,500	-11
Lake Tyler	55	73,700	57,320	78	-3,420	-5	-15,960	-22
Sam Rayburn Reservoir	56	2,876,300	2,678,200	93	-70,150	-2	-75,750	-3
B. A. Steinhagen Lake	57	94,200	29,910	32	8,540	9	-59,930	-64
Cedar Creek Reservoir	58	637,050	543,600	85	-23,200	-4	-70,600	-11
Lake Livingston	59	1,750,000	1,526,000	87	-14,000	-1	-189,000	-11
Lake Conroe	60	429,900	347,300	81	-3,700	-1	-52,000	-12
TOTAL		12,044,350	10,210,570	85	-418,220	-3	-913,070	-8
TRANS-PECOS								
Red Bluff Reservoir	61	307,000	94,790	31	-12,510	-4	-19,000	-6
TOTAL		307,000	94,790	31	-12,510	-4	-19,000	-6
EDWARDS PLATEAU								
E. V. Spence Reservoir	62	488,760	80,420	16	-4,560	-1	9,960	2
Twin Buttes Reservoir	63	177,800	43,980	25	-6,120	-3	2,160	1
O.C. Fisher Lake	64	119,200	10,800	9	-910	-1	4,460	4
O. H. Ivie Reservoir	65	554,340	261,300	47	-13,300	-2	-54,100	-10
Lake Buchanan	66	896,980	672,340	75	-46,020	-5	-189,420	-21
Amistad Reservoir (Texas)	67	1,771,030	1,930,000	109	-84,000	-5	-507,000	-29
Amistad Reservoir (Texas and Mexico)	(67)	3,151,300	2,430,000	77	-85,000	-3	-407,000	-13
TOTAL		4,008,110	2,998,840	75	-154,910	-4	-733,940	-18
SOUTH CENTRAL								
Somerville Lake	68	155,060	130,880	84	-200	0	-19,700	-13
Lake Travis	69	1,144,100	795,500	70	-69,700	-6	-288,100	-25
Canyon Lake	70	385,600	344,350	89	-7,080	-2	-39,630	-10
Coleto Creek Reservoir	71	35,060	25,310	72	2,200	6	-5,940	-17
Medina Lake	72	254,000	138,900	55	-14,700	-6	-111,200	-44
TOTAL		1,973,820	1,434,940	73	-89,480	-5	-464,570	-24
UPPER COAST								
Lake Houston	73	128,860	128,860	100	0	0	0	0
Lake Texana	74	157,900	150,640	95	20,700	13	3,640	2
TOTAL		286,760	279,500	97	20,700	7	3,640	1
SOUTHERN								
Choke Canyon Reservoir	75	695,260	563,000	81	-15,000	-2	-116,000	-17
Lake Corpus Christi	76	241,240	79,890	33	-12,620	-5	-125,110	-52
Falcon Reservoir (Texas)	77	1,555,120	699,000	45	-76,000	-5	-79,000	-5
Falcon Reservoir (Texas and Mexico)	(77)	2,653,290	1,021,000	38	-79,000	-3	-196,000	-7
TOTAL		2,491,620	1,341,890	54	-103,620	-4	-320,110	-13
STATE TOTAL		34,470,430	26,800,040	78	-1,247,270	-4	-3,365,290	-10

Note:

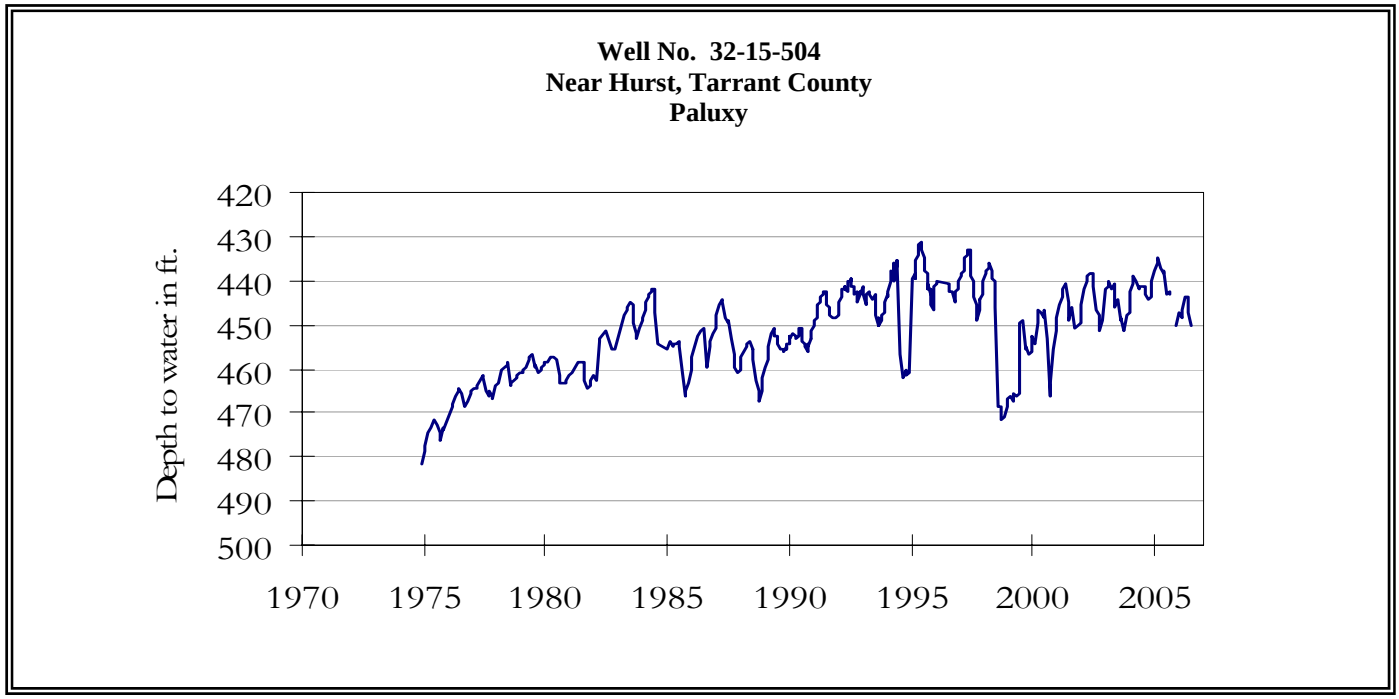
Conservation storage capacity is the space available to store water above the level of invert of lowest outlet works and below the level of top of conservation pool or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not included 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). Preliminary figures are shown for the Texas' share of conservation storage in all reservoirs.

JUNE GROUND WATER LEVELS IN OBSERVATION WELLS

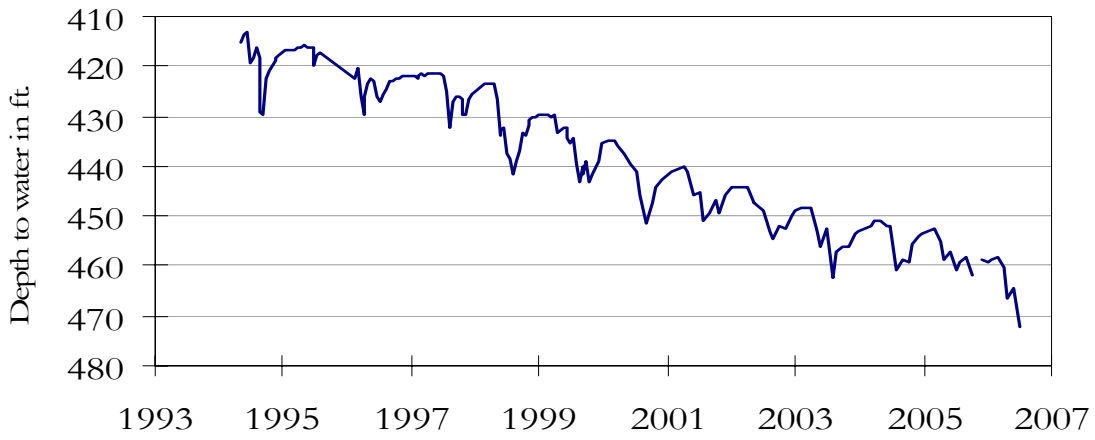


The late June water-level measurement in this Ogallala aquifer well, elevation 3,816 feet above sea level, was 266.16 feet below land surface. This measurement was 0.41 feet below last month's measurement, 2.30 feet below last year's measurement, and 110.16 feet below the initial measurement recorded in 1968. No water level measurements were recorded for September through December 2005.



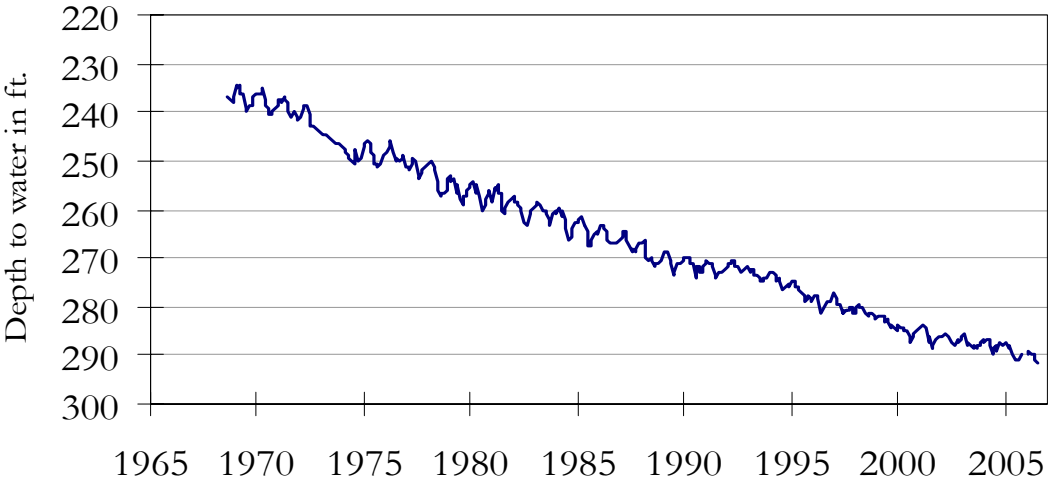
The late June water-level measurement in this Paluxy Formation Trinity aquifer well, elevation 535 feet above sea level, was 450.17 feet below land surface. This measurement was 3.14 feet below last month's measurement, 6.89 feet below last year's measurement, and 72.17 feet below the initial measurement recorded in 1953. No water level measurements were recorded for September or October 2005.

Well No. 40-35-404
Gatesville, Coryell County
Hosston/Trinity



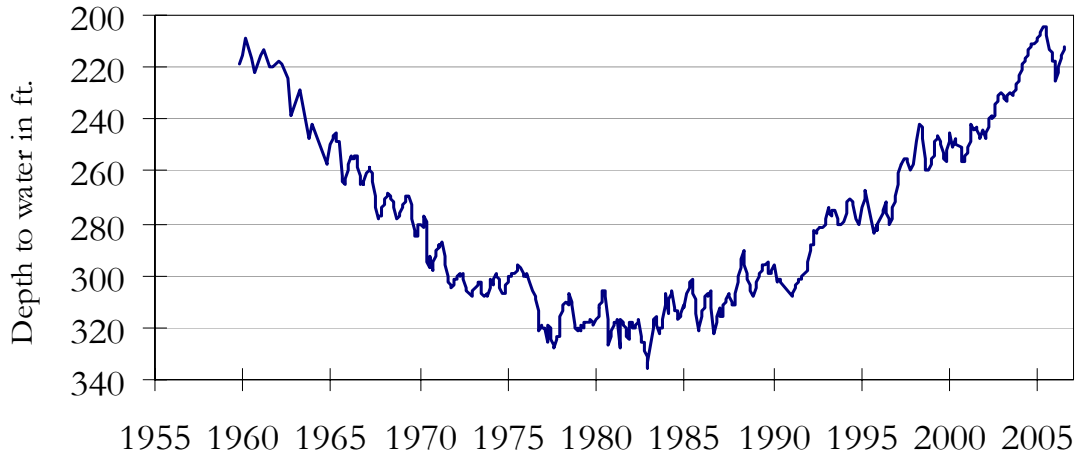
The late June water-level measurement in this Hosston Formation Trinity aquifer well, elevation 823 feet above sea level, was 472.40 feet below land surface. This water level was 7.82 feet below last month's measurement, 11.58 feet below last year's measurement, and 180.40 feet below the initial measurement recorded in 1955. No water level measurement was recorded for October 2005.

Well No. 49-13-301
El Paso, El Paso County
Bolson Deposits



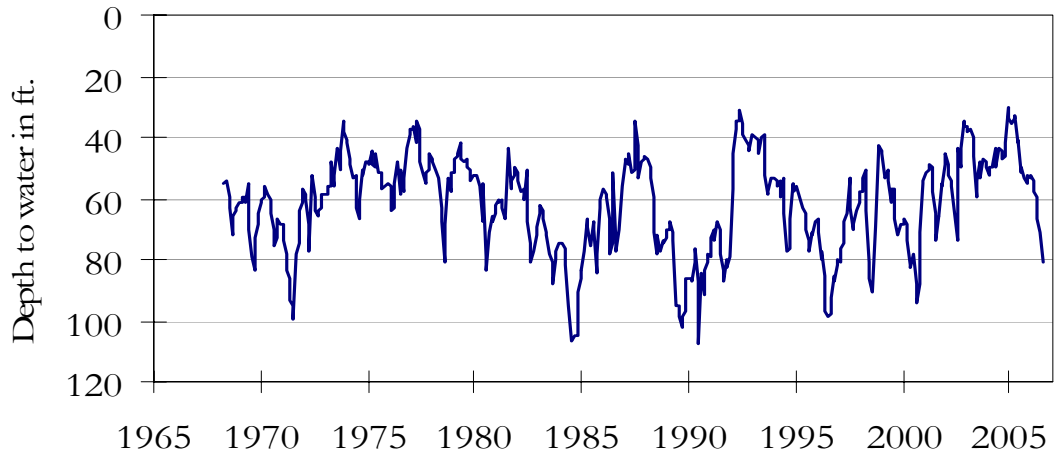
The late June water-level measurement in this Hueco Bolson aquifer well, elevation 3,882 feet above sea level, was 291.40 feet below land surface. This was 0.43 feet below last month's measurement, 0.70 feet below last year's measurement, and 59.50 feet below the initial measurement in 1964. No water level measurements were recorded for October or December 2005.

Well No. 65-14-409
Alief, Harris County
Evangeline



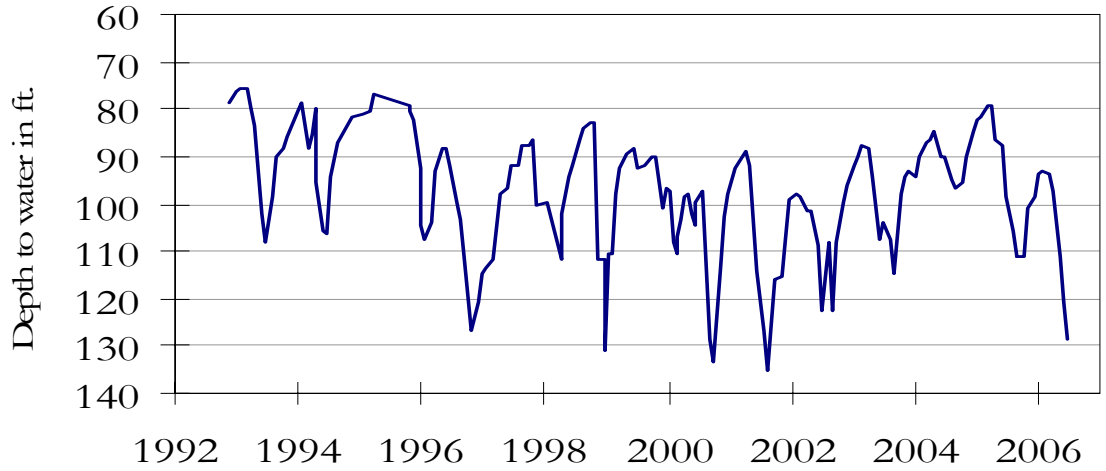
The late June water-level measurement in this Evangeline Formation Gulf Coast aquifer well, elevation 66 feet above sea level, was 211.99 feet below land surface. This was 1.26 feet above last month's measurement, 4.56 feet below last year's measurement, and 76.49 feet below the initial measurement recorded in 1947.

Well No. 68-37-203 (J-17)
In San Antonio, Bexar County
Edwards and Associated Limestones



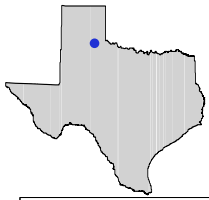
The late June water-level measurement in this Edwards (BFZ) aquifer well, elevation 731 feet above sea level, was 81.11 feet below land surface. This was 9.83 feet below last month's measurement, 29.17 feet below last year's measurement, and 34.47 feet below the initial measurement recorded in 1962.

Well No. 68-60-912
Between Poteet and Pleasanton, Atascosa County
Carrizo



The late June water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 128.28 feet below land surface. This measurement was 7.23 feet below last month's measurement, 30.06 feet below last year's measurement, and 92.92 feet below the initial measurement recorded in 1965.

HYDROGRAPH OF THE MONTH



Each month this space features a new hydrograph (marked with the • symbol on the map) depicting different aquifers and different conditions in Texas.

Well No. 12-24-702
Childress County

This water level observation well, located 15 miles north of Childress, at an elevation of 1735 feet ASL, was completed in the Blaine aquifer. To date, no significant regional water level declines have occurred in the Blaine aquifer.

June, 2006
Water level measurements were available for all seven key monitoring wells. Water levels declined in six of the monitoring wells since the beginning of June, ranging from 0.41 feet in the Castro Co. Ogallala well to 9.83 feet in the Bexar Co. J-17 well. Water levels rose 1.26 feet in the Harris Co. Evangeline well. The J-17 well recorded a water level of 81.11 ft. below land surface. This water level is approximately one (1) foot below the Stage 1 critical management level.

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