Texas Water Development Board

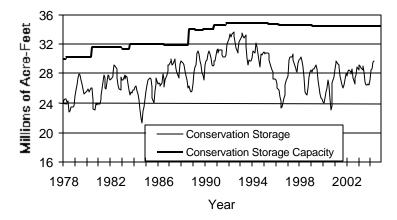


RESERVOIR STORAGE *May 2004*

Near the end of May, the 77 reservoirs monitored for this report held 29.7 million acre-feet in conservation storage, or 86.2 percent of the conservation storage capacity of the state's major reservoirs. Statewide total storage is at normal for this time of year. Storage increased during the month by 203,460 acre-feet (0.6% of conservation storage capacity). Compared to the previous year, storage is greater, up 1,236,970 acre-feet (3.6%).

Storage is at capacity (100%) in the Upper Coast Region, near capacity in South Central and the East Regions (99%), while the High Plains (23%) and Trans-Pecos (27%) Regions remained lower than one-third. Storage is at 100% in 23 reservoirs. Compared to this time last year, the Edwards Plateau Region had the largest increase in storage (+19.6%), while the High Plains and the Low Rolling Regions had the steepest decline (-5.7%).

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS



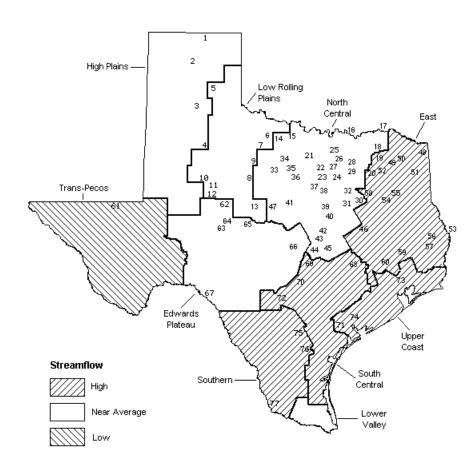
Current data are based on elevation near end of month at 77 reservoirs that represent 98 percent of total conservation storage capacity in Texas reservoirs having a capacity of 5,000 acre-feet or more.

STREAMFLOW

Of 29 reporting index stations in May, computed 31-day mean flows were very high (0% - 5% exceedance) at 3 stations, high (5% - 30% exceedance) at 12 stations, near normal (30% -70% exceedance) at 11 stations, and low (70 - 95%) at 3 stations. In comparison to April, flows increased at 10 index stations, and decreased at 19.

On a regional basis, flows in May were very high in the Upper Coast Region, high in the East, the South Central and the Southern Regions, low in the Trans-Pecos Region, and near normal everywhere else.

MAY STREAMFLOW CONDITIONS



Reservoirs Shown on Map

1. Palo Duro Reservoir 2. Lake Meredith

- 3. MacKenzie Reservoir
- 4. White River Lake Greenbelt Reservoir
- 5. 6. Lake Kemp
- 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
- Cooper Lake 18. 19
- Lake Sulphur Springs Lake Tawakoni 20.
- 21
- Bridgeport Reservoir Eagle Mountain Reservoir 22.
- 23. Benbrook Lake
- 24 Joe Pool Lake 25. Ray Roberts Lake
- 26 Lewisville Lake
- 27. Grapevine Lake 28.

32.

- Lavon Lake
- Lake Ray Hubbard Richland-Chambers Creek Lake 29 30.
- 31. Navarro Mills Lake
 - Bardwell Lake
- 33. Hubbard Creek Reservoir 34. Lake Graham
- Possum Kingdom Lake 35.
- 36. Lake Palo Pinto
- 37. Lake Granbury 38. Lake Pat Cleburne
- 39. Whitney Lake

- Lake Limestone 47. Lake Brownwood 48. Wright Patman Lake
- 49. Lake Cypress Springs 50 Lake Bob Sandlin
- 51. Lake O' the Pines

44. Lake Georgetown

Granger Lake

- 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

40. Waco Lake

41. Proctor Lake 42. Belton Lake43. Stillhouse Hollow Lake

45.

46.

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

| Name of Lake | No. Conservation | | Conservation | | Change since | | Change since | | |
|--|------------------|----------------------------------|----------------------------------|----------------|-----------------------------|---------------|-----------------------------|---------------|--|
| or Reservoir | on | Storage | Storage | | Late Apri | L | Late May | | |
| | Map | Capacity | Late May | | 2004 | (0) | 2003 | (0) | |
| | | (acre-feet) | (acre-feet) | (%) | (acre-feet) | (%) | (acre-feet) | (%) | |
| | | - | PLAINS | | | | | | |
| Palo Duro Reservoir | 1 | 60,900 | 2,270 | 4 | -60 | 0 | -940 | -2 | |
| Lake Meredith (Texas) | 2 | 500,000 | 134,360 | 27 | -6,370 | -1 | -35,570 | -7 | |
| Lake Meredith | (0) | | 124 260 | 1 1 | 6 380 | 1 | 25 580 | - | |
| (Texas and Oklahoma) MacKenzie Reservoir | (2) 3 | 779,560 | 134,360 | 17 12 | -6,370 -230 | -1 0 | -35,570 | -5 -4 | |
| White River Lake | 4 | 46,250 31,850 | 5,500 6,580 | 21 | -230 | -2 | -1,680 1,900 | -4 6 | |
| TOTAL | | 639,000 | 148,710 | 23 | -7,330 | -2 -1 | -36,290 | -6 | |
| | | | | | | | | | |
| Greenbelt Reservoir | - | | ING PLAINS | 40 | 780 | 1 | 1 710 | 2 | |
| | 5 | 58,200 | 24,460 | 42 | -780 | -1 | 1,710 | 3 | |
| Lake Kemp Miller's Creek Reservoir | 6 7 | 319,600 27,890 | 168,550 | 53 40 | -14,300 -670 | -4 -2 | -51,790 -2,310 | -16 -8 | |
| Fort Phantom Hill Reservoir | 8 | 70,030 | 11,040 31,850 | 40 | -910 | -1 | -3,710 | -0 -5 | |
| Lake Stamford | 9 | 52,700 | 30,430 | 58 | -1,700 | -3 | -4,410 | -8 | |
| Lake J. B. Thomas | 9 10 | 202,300 | 21,850 | 11 | -2,230 | -3 -1 | 3,780 | -0 | |
| Lake Colorado City | 11 | 30,800 | 22,760 | 74 | -920 | -3 | 8,330 | 27 | |
| Champion Creek Reservoir | 12 | 41,600 | 3,350 | 8 | -240 | -1 | 1,360 | 3 | |
| Hords Creek Lake | 13 | 8,600 | 2,720 | 32 | -80 | -1 | 580 | 7 | |
| TOTAL | | 811,720 | 317,010 | 39 | -21,830 | - 3 | -46,460 | -6 | |
| | | NORTH | CENTRAL | | | | | | |
| Lake Kickapoo | 14 | 106,000 | 56,230 | 53 | -3,160 | - 3 | -20,210 | -19 | |
| Lake Arrowhead | 15 | 262,100 | 115,650 | 44 | -3,360 | -1 | -31,140 | -12 | |
| Lake Texoma | 16 | 2,722,300 | 2,491,900 | 92 | 13,270 | 0 | -40,170 | -1 | |
| Pat Mayse Lake | 17 | 124,500 | 117,110 | 94 | -1,050 | -1 | -2,140 | -2 | |
| Cooper Lake | 18 | 273,000 | 206,400 | 76 | -9,730 | -4 | -66,600 | -24 | |
| Lake Sulphur Springs | 19 | 17,710 | 17,040 | 96 | 1,440 | 8 | -670 | -4 | |
| Lake Tawakoni | 20 | 936,200 | 871 , 800 | 93 | 10,200 | 1 | -13,400 | -1 | |
| Bridgeport Reservoir | 21 | 374,830 | 227,400 | 61 | -2,800 | -1 | -42,200 | -11 | |
| Eagle Mountain Reservoir | 22 | 178,380 | 141,500 | 79 | -9,200 | - 5 | -700 | 0 | |
| Benbrook Lake | 23 | 88,200 | 88,200 | 100 | 4,940 | 6 | 6,060 | 7 | |
| Joe Pool Lake | 24 | 175,800 | 175,800 | 100 | 0 | 0 | 0 | 0 | |
| Ray Roberts Lake | 25 | 798,760 | 758,100 | 95 | 0 | 0 | -37,650 | - 5 | |
| Lewisville Lake | 26 | 555,000 | 555,000 | 100 | 0 | 0 | 0 | 0 | |
| Grapevine Lake | 27 | 187,700 | 165,050 | 88 | -12,460 | -7 | -20,760 | -11 | |
| Lavon Lake | 28 | 443,800 | 403,540 | 91 | -5,330 | -1 | -38,280 | -9 | |
| Lake Ray Hubbard Richland-Chambers Creek Lake | 29 30 | 413,420 1,103,820 | 366,100 1,103,820 | 89 100 | -10,000 0 | -2 0 | -39,800 0 | -10 0 | |
| Navarro Mills Lake | 30 | 55,810 | 55,810 | 100 | 0 | 0 | 640 | | |
| Bardwell Lake | 31 | 53,580 | 46,760 | 87 | -6,820 | -13 | -2,760 | 1 -5 | |
| Hubbard Creek Reservoir | 33 | 317,800 | 128,770 | 41 | -3,090 | -13 | -9,330 | -3 | |
| Lake Graham | 34 | 45,000 | 22,700 | 50 | -710 | -2 | -3,960 | -9 | |
| Possum Kingdom Lake | 35 | 551,820 | 438,100 | 79 | -4,300 | -1 | -3,600 | -1 | |
| Lake Palo Pinto | 36 | 27,650 | 18,470 | 67 | 1,240 | 4 | -520 | -2 | |
| Lake Granbury | 37 | 135,680 | 133,300 | 98 | -300 | 0 | -200 | 0 | |
| Lake Pat Cleburne | 38 | 25,300 | 25,300 | 100 | 0 | 0 | 340 | 1 | |
| Whitney Lake | 39 | 622,800 | 584,420 | 94 | 27,560 | 4 | 107,980 | 17 | |
| Waco Lake | 40 | 144,500 | 144,500 | 100 | 0 | 0 | 60 | 0 | |
| Proctor Lake | 41 | 55,590 | 51,990 | 94 | -1,380 | -2 | -1,910 | - 3 | |
| Belton Lake | 42 | 434,500 | 434,500 | 100 | 0 | 0 | 1,270 | 0 | |
| Stillhouse Hollow Lake | 43 | 226,060 | 226,060 | 100 | 0 | 0 | 0 | 0 | |
| Lake Georgetown | 44 | 37,010 | 30,940 | 84 | 2,750 | 7 | -4,950 | -13 | |
| Granger Lake | 45 | 54,280 | 54,280 | 100 | 0 | 0 | 0 | 0 | |
| | | | | | | - | | | |
| Lake Limestone | 46 | 215,750 | 210,490 | 98 | -3,540 | -2 | -1,610 | | |
| Lake Limestone Lake Brownwood TOTAL | 46 47 | 215,750 143,400 11,908,050 | 210,490 130,200 10,597,230 | 98 91 89 | -3,540 -3,520 -19,350 | -2 -2 0 | -1,610 2,250 -263,960 | -1 2 -2 | |

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

| Name of Lake | No. | Conservation | ervation Conservation | | Change since | | Change since | |
|---------------------------|------|--------------|-----------------------|------|--------------|-----|------------------|-----|
| or Reservoir | on | Storage | Storage Storage | | Late Apri | L | Late May 2003 | |
| | Map | Capacity | Late May 2 | 2004 | 2004 | | | |
| | | (acre-feet) | (acre-feet) | (%) | (acre-feet) | (%) | (acre-feet) | (%) |
| | | | | | | | | |
| | | | ST | | | | | |
| Wright Patman Lake | 48 | 142,700 | 142,700 | 100 | 0 | 0 | 0 | 0 |
| Lake Cypress Springs | 49 | 66,800 | 66,800 | 100 | 0 | 0 | 0 | 0 |
| Lake Bob Sandlin | 50 | 202,300 | 202,300 | 100 | 0 | 0 | 0 | 0 |
| Lake O' the Pines | 51 | 252,000 | 252,000 | 100 | 0 | 0 | 14,900 | 6 |
| Lake Fork Reservoir | 52 | 635,200 | 635,200 | 100 | 0 | 0 | 7,800 | 1 |
| Toledo Bend Reservoir | 53 | 4,472,900 | 4,428,000 | 99 | 171,000 | 4 | 216,000 | 5 |
| Lake Palestine | 54 | 411,300 | 411,300 | 100 | 0 | 0 | 0 | 0 |
| Lake Tyler | 55 | 73,700 | 73,700 | 100 | 0 | 0 | 0 | 0 |
| Sam Rayburn Reservoir | 56 | 2,876,300 | 2,876,300 | 100 | 0 | 0 | 28,180 | 1 |
| B. A. Steinhagen Lake | 57 | 94,200 | 90,620 | 96 | 4,670 | 5 | 390 | 0 |
| Cedar Creek Reservoir | 58 | 637,050 | 630,700 | 99 | 21,400 | 3 | -4,000 | -1 |
| Lake Livingston | 59 | 1,750,000 | 1,737,000 | 99 | -13,000 | -1 | 13,000 | 1 |
| Lake Conroe | 60 | 429,900 | 415,500 | 97 | -500 | 0 | 8,800 | 2 |
| TOTAL | | 12,044,350 | 11,962,120 | 99 | 183,570 | 2 | 285,070 | 2 |
| | | TRANS | -PECOS | | | | | |
| Red Bluff Reservoir | 61 | 307,000 | 83,760 | 27 | -9,330 | - 3 | 25,120 | 8 |
| TOTAL | | 307,000 | 83,760 | 27 | -9,330 | - 3 | 25,120 | 8 |
| | | EDWARDS | PLATEAU | | | | | |
| E. V. Spence Reservoir | 62 | 488,760 | 46,110 | 9 | -3,030 | -1 | 14,410 | 3 |
| Twin Buttes Reservoir | 63 | 177,800 | 5,440 | 3 | -380 | 0 | -560 | 0 |
| 0.C. Fisher Lake | 64 | 119,200 | 2,480 | 2 | -290 | 0 | 140 | 0 |
| 0. H. Ivie Reservoir | 65 | 554,340 | 187,530 | 34 | -7,780 | -1 | -770 | 0 |
| Lake Buchanan | 66 | 896,980 | 863,950 | 96 | -2,180 | 0 | 10,920 | 1 |
| Amistad Reservoir (Texas) | 67 | 1,771,030 | 1,609,000 | 91 | 44,000 | 2 | 761,000 | 43 |
| Amistad Reservoir | 07 | 1,,,1,,050 | 1,009,000 | 1 | 11,000 | 4 | ,01,000 | -13 |
| (Texas and Mexico) | (67) | 3,151,300 | 1,795,000 | 57 | 37,000 | 1 | 829,000 | 26 |
| TOTAL | (07) | 4,008,110 | 2,714,510 | 68 | 30,340 | 1 | 785,140 | 20 |
| 101111 | | 1,000,110 | 2,,11,310 | 50 | 50,540 | - | ,35,140 | 20 |
| | | | CENTRAL | | | | | |
| Somerville Lake | 68 | 155,060 | 155,060 | 100 | 0 | 0 | 230 | 0 |
| Lake Travis | 69 | 1,144,100 | 1,135,800 | 99 | -8,300 | -1 | 41,400 | 4 |
| Canyon Lake | 70 | 385,600 | 385,600 | 100 | 0 | 0 | 0 | 0 |
| Coleto Creek Reservoir | 71 | 35,060 | 32,120 | 92 | 300 | 1 | 3,270 | 9 |
| Medina Lake | 72 | 254,000 | 254,000 | 100 | 0 | 0 | 7,200 | 3 |
| TOTAL | | 1,973,820 | 1,962,580 | 99 | -8,000 | 0 | 52,100 | 3 |
| | | UPPER | COAST | | | | | |
| Lake Houston | 73 | 128,860 | 128,860 | 100 | 0 | 0 | 0 | 0 |
| Lake Texana | 74 | 157,900 | 156,870 | 99 | -610 | 0 | 22,970 | 15 |
| | | | | | | | | |

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

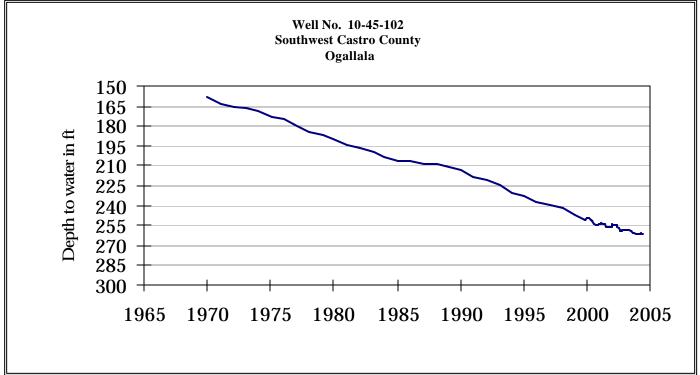
| Name of Lake or Reservoir | No. Conservation Conservation on Storage Storage | | on | Change since Late April | | Change since Late May | | |
|------------------------------|---|-------------|---------------|----------------------------|-------------|--------------------------|-------------|-----|
| | Map | Capacity | Late May 2004 | | 2004 | | 2003 | |
| | | (acre-feet) | (acre-feet) | (%) | (acre-feet) | (%) | (acre-feet) | (%) |
| | | | | | | | | |
| | | SOUI | HERN | | | | | |
| Choke Canyon Reservoir | 75 | 695,260 | 691,000 | 99 | -2,000 | 0 | 6,000 | 1 |
| Lake Corpus Christi | 76 | 241,240 | 241,240 | 100 | 0 | 0 | 17,280 | 7 |
| Falcon Reservoir (Texas) | 77 | 1,555,120 | 695,000 | 45 | 58,000 | 4 | 390,000 | 25 |
| Falcon Reservoir | | | | | | | | |
| (Texas and Mexico) | (77) | 2,653,290 | 1,606,000 | 61 | 104,000 | 4 | 1,265,000 | 48 |
| TOTAL | | 2,491,620 | 1,627,240 | 65 | 56,000 | 2 | 413,280 | 17 |
| STATE TOTAL | | 34,470,430 | 29,698,890 | 86 | 203,460 | 1 | 1,236,970 | 4 |

Note:

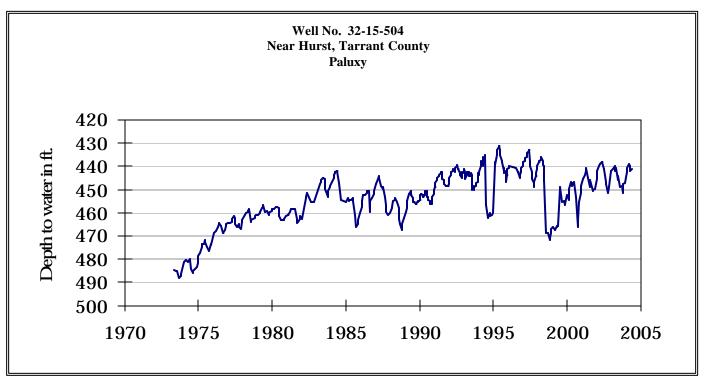
Conservation storage capacity is the space available to store water above the level of invert of lowest outlet works and below the level of top of conservation pool or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not included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

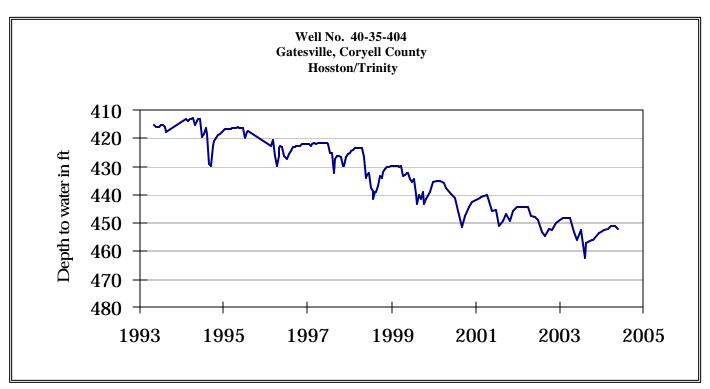
MAY GROUND WATER LEVELS IN OBSERVATION WELLS



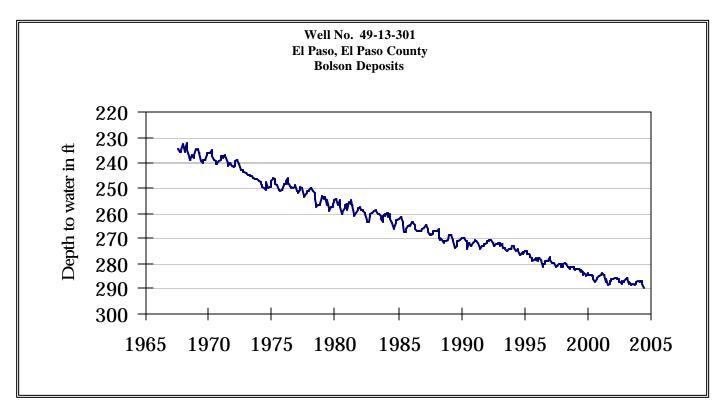
The late May water-level measurement in this Ogallala aquifer well, elevation 3,816 feet above sea level, was 261.90 feet below land surface. This measurement was 0.60 foot below last month's measurement, 2.89 feet below last year's measurement, and 105.90 feet below the initial measurement recorded in 1968.



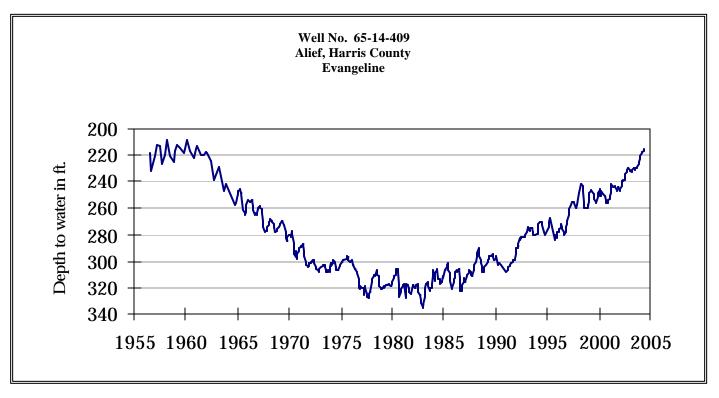
The late May water-level measurement in this Paluxy Formation Trinity aquifer well, elevation 535 feet above sea level, was 441.43 feet below land surface. This measurement was 0.77 feet above last month's measurement, 4.68 feet above last year's measurement, and 48.04 feet below the initial measurement recorded in 1953.



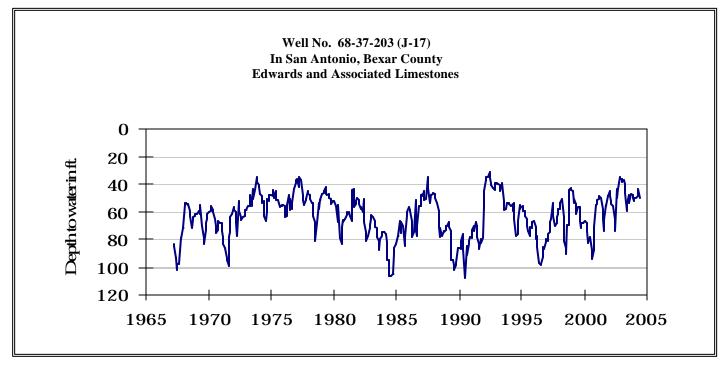
The late May water-level measurement in this Hosston Formation Trinity aquifer well, elevation 823 feet above sea level, was 452.10 feet below land surface. This measurement was 0.90 feet below last month's measurement, 4.06 feet below last year's measurement, and 160.10 feet below the initial measurement recorded in 1955.



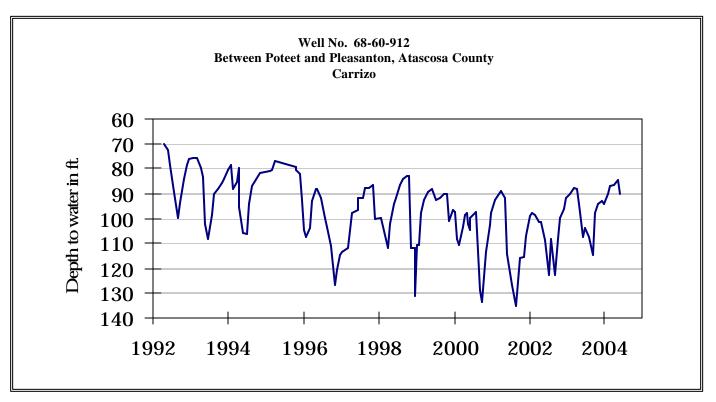
The late May water-level measurement in this Hueco Bolson aquifer well, elevation 3,882 feet above sea level, was 289.68 feet below land surface. This was 1.88 foot below last month's measurement, 1.53 foot below last year's measurement, and 57.78 feet below the initial measurement recorded in 1964.



The late May water-level measurement in this Evangeline Formation Gulf Coast aquifer well, elevation 66 feet above sea level, was 214.93 feet below land surface. This was 1.07 feet above last month's measurement, 14.69 feet above last year's measurement, and 111.70 feet below the initial measurement recorded in 1947.

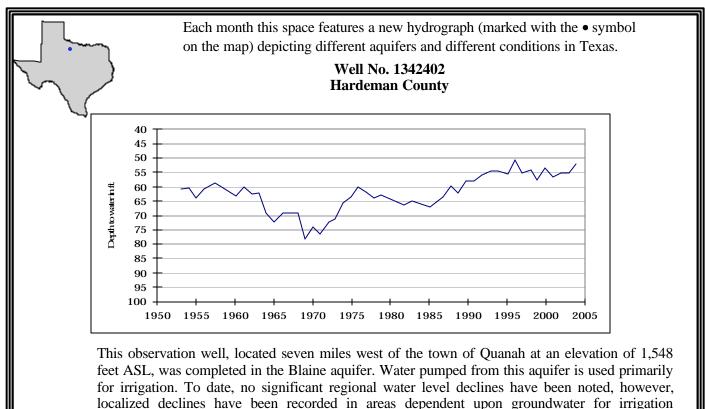


The late May water-level measurement in this Edwards (BFZ) aquifer well, elevation 731 feet above sea level, was 50.21 feet below land surface. This was 7.01 feet below last month's measurement, 9.35 feet above last year's measurement, and 9.41 feet above the initial measurement recorded in 1962.



The late May water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 90.35 feet below land surface. This measurement was 5.46 foot below last month's measurement, 17.21 feet above last year's measurement, and 9.10 feet below the initial measurement recorded in 1965.

HYDROGRAPH OF THE MONTH



purposes. Recovery of water levels in this area is usually quick in response to seasonal rainfall.

May 31, 2004

Water levels increased in two key monitoring wells since the beginning of May, ranging from 0.77 feet in the Near Hurst well, Tarrant County (Paluxy Formation Trinity aquifer well) to 1.07 feet in the Alief well, Harris County (Evangeline Formation Gulf Coast aquifer) and decreased in five key monitoring wells, ranging from 0.6 feet in the Southwest Castro County well (Ogallala aquifer) to 5.46 feet in the well between Poteet and Pleasanton, Atascosa County (Carrizo aquifer).

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