Texas Water Development Board

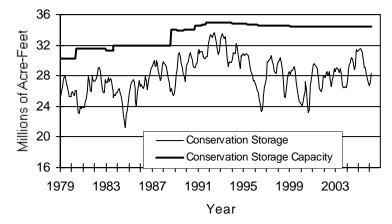


RESERVOIR STORAGE March 2006

Near the end of March, the 77 reservoirs monitored for this report held 28.27 million acre-feet in conservation storage, or 82 percent of the conservation storage capacity of the state's major reservoirs. Statewide total storage is below normal for this time of year. Storage increased during the month by 1.16 million acre-feet (3% of conservation storage capacity). Compared to last year, storage decreased by 3.3 million acre-feet (-10%).

Storage was below 90% of capacity in all Regions, with the lowest in the High Plains Region (24%). Storage was at 100% in 9 reservoirs. Storage in most reservoirs in the North Central and East Regions increased, due to the heavy but patchy rain experienced in that part of the state during the month of March. Twelve reservoirs in these two Regions enjoyed an increase greater than 10%. Compared to this time last year, the storage decreased in all Regions, with the sharpest decrease in the South Central Region (-21%).

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 March, computed 30-day mean flows were high (5% - 30%) at 3 stations, low (70% - 95%) at 6 stations, and near normal (30% - 70% exceedance) at the remaining 20 stations. Compared to February, flows have increased at 16 index stations and decreased at 13 stations.

On a regional basis, flows in March were normal in all Regions. Streamflow in the Lower Valley Region is not monitored.

MARCH STREAMFLOW CONDITIONS

Reservoirs Shown on Map

Joe Pool Lake

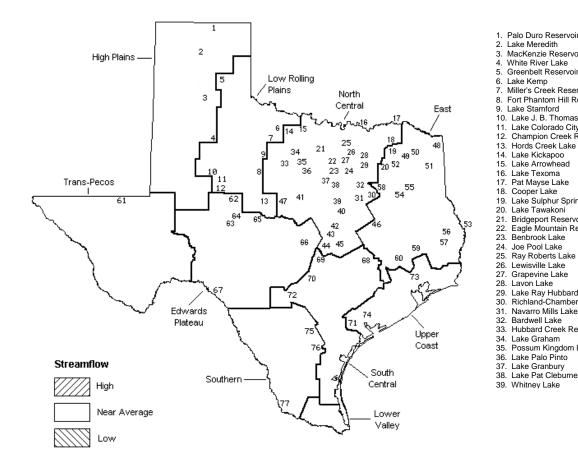
Lewisville Lake

Grapevine Lake

Bardwell Lake

Lake Graham

Lake Granbury



Palo Duro Reservoir 40. Waco Lake 41. Proctor Lake MacKenzie Reservoir 42. Belton Lake 43 Stillhouse Hollow Lake Greenbelt Reservoir 44. Lake Georgetown 45. Granger Lake 46. Lake Limestone Miller's Creek Reservoir Fort Phantom Hill Reservoir 47. Lake Brownwood 48. Wright Patman Lake 49. Lake Cypress Springs Lake Colorado City 50. Lake Bob Sandlin Champion Creek Reservoir
Hords Creek Lake 51 Lake O' the Pines Lake Fork Reservoir 52. Toledo Bend Reservoir 53. 54. Lake Palestine Lake Tyler 55. Pat Mayse Lake 56 Sam Rayburn Reservoir 57. B. A. Steinhagen Lake Lake Sulphur Springs Cedar Creek Reservoir 58. 59. Lake Livingston Bridgeport Reservoir 60. Lake Conroe Eagle Mountain Reservoir 61 Red Bluff Reservoir 62. E. V. Spence Reservoir Twin Buttes Reservoir 63. Ray Roberts Lake 64. O. C. Fisher Lake 65. O. H. Ivie Reservoir 66 Lake Buchanan 67. Intl. Amistad Reservoir Lake Ray Hubbard 68. Somerville Lake Richland-Chambers Creek Lake 69. Lake Travis Navarro Mills Lake 70. Canvon Lake Coleto Creek Reservoir 71. Hubbard Creek Reservoir 72. Medina Lake 73. Lake Houston Possum Kingdom Lake Lake Palo Pinto 74. Lake Texana Choke Canvon Reservoir 75. Lake Corpus Christi 76. 77. Intl. Falcon Reservoir

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

| Name of Lake | No. | Conservation | Congorret | <u></u> | Change di- | 10 | Change at- | |
|---|-----------|---------------------------------------|---------------------------|-------------|-----------------------|----------|--------------------|----------|
| or Reservoir | | | | | Change since | | Change since | |
| OI RESELVOII | on Map | Storage Capacity | Storage Late Mar. 2006 | | Late February 2006 | | Late March 2005 | |
| | мар | (acre-feet) | (acre-feet) | 2008 (%) | (acre-feet) | (%) | | (%) |
| | | | PLAINS | (0) | (4010 1000) | (0) | (4010 1000) | (0) |
| Palo Duro Reservoir | 1 | 60,900 | 1,590 | 3 | -140 | 0 | -2,510 | -4 |
| Lake Meredith (Texas) | 2 | 500,000 | 134,590 | 27 | -4,420 | -1 | -41,180 | -8 |
| Lake Meredith | - | 500,000 | 101/000 | - / | 1,120 | - | 11/100 | Ū |
| (Texas and Oklahoma) | (2) | 779,560 | 134,590 | 17 | -4,420 | -1 | -41,180 | -5 |
| MacKenzie Reservoir | 3 | 46,250 | 9,420 | 20 | -110 | 0 | -590 | -1 |
| White River Lake | 4 | 31,850 | 5,310 | 17 | -330 | -1 | | -15 |
| TOTAL | | 639,000 | 150,910 | 24 | -5,000 | -1 | -49,000 | -8 |
| | | TOW BOT | LING PLAINS | | | | | |
| Greenbelt Reservoir | 5 | 58,200 | 21,400 | 37 | 10 | 0 | -2,310 | -4 |
| Lake Kemp | 6 | 319,600 | 263,900 | 83 | -1,520 | 0 | 9,510 | 3 |
| Miller's Creek Reservoir | 7 | 27,890 | 25,180 | 90 | -390 | -1 | 3,810 | 14 |
| Fort Phantom Hill Reservoir | 8 | 70,030 | 43,680 | 62 | -380 | -1 | -21,920 | -31 |
| Lake Stamford | 9 | 52,700 | 46,460 | 88 | -1,450 | -3 | 11,300 | 21 |
| Lake J. B. Thomas | 10 | 202,300 | 52,850 | 26 | -2,310 | -1 | | -3 |
| Lake Colorado City | 11 | 30,800 | 27,340 | 89 | -270 | -1 | -3,290 | -11 |
| Champion Creek Reservoir | 12 | 41,600 | 5,780 | 14 | -40 | 0 | 650 | 2 |
| Hords Creek Lake | 13 | 8,600 | 6,380 | 74 | -70 | -1 | -2,040 | -24 |
| TOTAL | | 811,720 | 492,970 | 61 | -6,420 | -1 | -10,850 | -1 |
| | | ΝΟΡΤΈ | CENTRAL | | | | | |
| Lake Kickapoo | 14 | 106,000 | 89,550 | 84 | -1,050 | -1 | 17,750 | 17 |
| Lake Arrowhead | 15 | 262,100 | 220,330 | 84 | -740 | 0 | 25,580 | 10 |
| Lake Texoma | 16 | 2,722,300 | 2,423,210 | 89 | 94,460 | 3 | 110,520 | 4 |
| Pat Mayse Lake | 17 | 124,500 | 99,980 | 80 | 8,370 | 7 | | -19 |
| Cooper Lake | 18 | 273,000 | 193,950 | 71 | 71,740 | 26 | -79,050 | -29 |
| Lake Sulphur Springs | 19 | 17,710 | 17,710 | 100 | 4,200 | 24 | | 0 |
| Lake Tawakoni | 20 | 936,200 | 714,200 | 76 | 114,900 | 12 | -166,800 | -18 |
| Bridgeport Reservoir | 21 | 374,830 | 241,300 | 64 | -300 | 0 | -110,400 | -29 |
| Eagle Mountain Reservoir | 22 | 178,380 | 144,500 | 81 | 3,100 | 2 | -33,880 | -19 |
| Benbrook Lake | 23 | 88,200 | 69,940 | 79 | 15,670 | 18 | -18,260 | -21 |
| Joe Pool Lake | 24 | 175,800 | 175,800 | 100 | 21,590 | 12 | 0 | 0 |
| Ray Roberts Lake | 25 | 798,760 | 713,620 | 89 | 13,680 | 2 | -85,140 | -11 |
| Lewisville Lake | 26 | 555,000 | 475,810 | 86 | 25,070 | 5 | -79,190 | -14 |
| Grapevine Lake | 27 | 187,700 | 142,200 | 76 | 6,120 | 3 | -39,130 | -21 |
| Lavon Lake | 28 | 443,800 | 313,400 | 71 | 36,050 | 8 | -130,400 | -29 |
| Lake Ray Hubbard | 29 | 413,420 | 413,420 | 100 | 64,720 | 16 | 120 | 0 |
| Richland-Chambers Creek Lake | 30 | 1,103,820 | 945,800 | 86 | 33,900 | 3 | | -14 |
| Navarro Mills Lake | 31 | 55,810 | 38,570 | 69 | 120 | 0 | -17,240 | -31 |
| Bardwell Lake | 32 | 53,580 | 47,230 | 88 | 11,500 | 21 | 320 | 1 |
| Hubbard Creek Reservoir | 33 | | 180,340 | 57 | -1,340 | 0 | -6,080 | -2 |
| Lake Graham | 34 | 45,000 | 41,530 | 92 | -220 | 0 | 660 | 1 |
| Possum Kingdom Lake | 35 | 551,820 | 486,500 | 88 | -6,430 | -1 | | -4 |
| Lake Palo Pinto | 36 | 27,650 | 15,990 | 58 | 2,240 | 8 | -10,650 | -39 |
| Lake Granbury | 37 | 135,680 | 133,700 | 99 | 230 | 0 | 1,800 | 1 |
| Lake Pat Cleburne | 38 | 25,300 | 25,300 | 100 | 6,600 | 26 | 0 | 0 |
| Whitney Lake | 39 | 622,800 | 542,990 | 87 | 54,330 | 9 | -40,970 | -7 |
| Waco Lake | 40 | 144,500 | 144,500 | 100 | 0 | 0 | 18 070 | 0 |
| Proctor Lake Belton Lake | 41 | 55,590 | 37,520 | 67 | 3,810 | 7 | | -33 |
| | 42 | 434,500 | 403,510 | 93 100 | 6,780 | 2 2 | | -7 |
| Stillhouse Hollow Lake Lake Georgetown | 43 44 | | 226,060 | 100 | 4,370 -370 | | -15 920 | 0 _43 |
| Granger Lake | 44 45 | | 21,090 52 970 | 57 | | -1 -2 | | -43 |
| Granger Lake Lake Limestone | 45 46 | 54,280 215,750 | 52,970 215,750 | 98 100 | -1,310 44,580 | -2 21 | -1,310 1,590 | -2 1 |
| Lake Brownwood | 40 47 | 143,400 | 118,190 | 82 | 44,380 370 | 21 | | -11 |
| TOTAL | | 11,908,050 | 10,126,460 | 85 | 636 , 740 | 5 | - | -11 |
| | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,,_ | 55 | 0007740 | 5 | 210,210 | 0 |

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

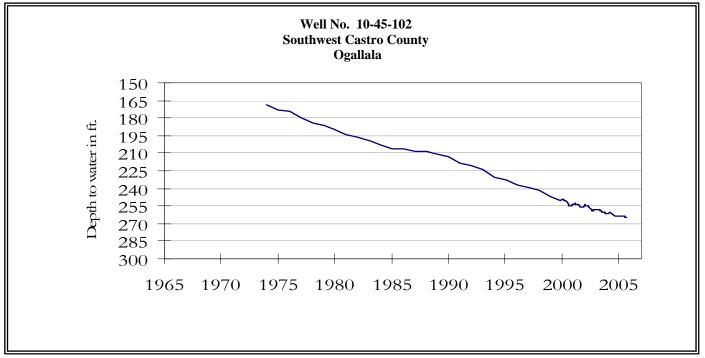
| Name of Lake | No. | Conservation | Conservatio | on | Change sind | e | Change sin | ce |
|-------------------------------|------------|----------------|----------------|-----|-------------|-----|-------------|-----|
| or Reservoir | on | Storage | Storage | | Late Februa | | Late Marc | |
| | Map | Capacity | Late Mar. 2006 | | 2006 | | 2005 | |
| | | (acre-feet) | (acre-feet) | (%) | (acre-feet) | (%) | (acre-feet) | (%) |
| | | 1 | EAST | | | | | |
| Wright Patman Lake | 48 | 142,700 | 142,700 | 100 | 5,630 | 4 | 0 | 0 |
| Lake Cypress Springs | 49 | 66,800 | 62,930 | 94 | 4,090 | 6 | -3,870 | -6 |
| Lake Bob Sandlin | 50 | 202,300 | 164,100 | 81 | 7,100 | 4 | -38,200 | -19 |
| Lake O' the Pines | 51 | 252,000 | 215,590 | 86 | 31,790 | 13 | -33,250 | -13 |
| Lake Fork Reservoir | 52 | 635,200 | 614,800 | 97 | 41,500 | 7 | -20,400 | -3 |
| Toledo Bend Reservoir | 53 | 4,472,900 | 3,811,000 | 85 | 364,000 | 8 | -354,000 | -8 |
| Lake Palestine | 54 | 411,300 | 375,860 | 91 | 25,730 | 6 | -35,440 | -9 |
| Lake Tyler | 55 | 73,700 | 64,620 | 88 | 2,480 | 3 | -9,080 | -12 |
| Sam Rayburn Reservoir | 56 | 2,876,300 | 2,721,920 | 95 | 94,990 | 3 | -154,380 | -5 |
| B. A. Steinhagen Lake | 57 | 94,200 | 89,190 | 95 | 39,180 | 42 | 4,800 | 5 |
| Cedar Creek Reservoir | 58 | 637,050 | 579,700 | 91 | 75,000 | 12 | -57,200 | -9 |
| Lake Livingston | 59 | 1,750,000 | 1,431,000 | 82 | -1,000 | 0 | -319,000 | -18 |
| Lake Conroe | 60 | 429,900 | 353,700 | 82 | 4,600 | 1 | -63,900 | -15 |
| TOTAL | | 12,044,350 | 10,627,110 | 88 | 695,090 | 6 | -1,083,920 | -9 |
| | | 717 3 N | IS-PECOS | | | | | |
| Ded Dluff December | C 1 | _ | | 40 | 000 | • | 1 070 | • |
| Red Bluff Reservoir | 61 | 307,000 | 128,600 | 42 | -900 | 0 | -1,270 | 0 |
| TOTAL | | 307,000 | 128,600 | 42 | -900 | 0 | -1,270 | 0 |
| | | EDWARD | S PLATEAU | | | | | |
| E. V. Spence Reservoir | 62 | 488,760 | 89,640 | 18 | -620 | 0 | 12,430 | 3 |
| Twin Buttes Reservoir | 63 | 177,800 | 53,930 | 30 | 2,380 | 1 | 15,110 | 8 |
| O.C. Fisher Lake | 64 | 119,200 | 12,880 | 11 | -290 | 0 | 5,540 | 5 |
| O. H. Ivie Reservoir | 65 | 554,340 | 287,400 | 52 | 1,100 | 0 | -31,000 | -6 |
| Lake Buchanan | 66 | 896,980 | 732,210 | 82 | -13,980 | -2 | -156,090 | -17 |
| Amistad Reservoir (Texas) | 67 | 1,771,030 | 2,171,000 | 123 | -74,000 | -4 | -427,000 | -24 |
| Amistad Reservoir | | | | | | | | |
| (Texas and Mexico) | (67) | 3,151,300 | 2,643,000 | 84 | -70,000 | -2 | -324,000 | -10 |
| TOTAL | | 4,008,110 | 3,347,060 | 84 | -85,410 | -2 | -581,010 | -14 |
| | | SOUTH | CENTRAL | | | | | |
| Somerville Lake | 68 | 155,060 | 128,760 | 83 | 3,490 | 2 | -26,300 | -17 |
| Lake Travis | 69 | 1,144,100 | 877,200 | 77 | -6,000 | -1 | -266,900 | -23 |
| Canyon Lake | 70 | 385,600 | 354,110 | 92 | -1,500 | 0 | -25,150 | -23 |
| Coleto Creek Reservoir | 70 | 35,060 | 23,870 | 68 | -800 | -2 | -8,170 | -23 |
| Medina Lake | 72 | 254,000 | 174,800 | 69 | -10,200 | -4 | -79,200 | -31 |
| TOTAL | 72 | 1,973,820 | 1,558,740 | 79 | -15,010 | -1 | -405,720 | -21 |
| 101111 | | 1,5,5,620 | 1,556,710 | | 15,010 | - | 1057720 | |
| _ | | | R COAST | | _ | _ | _ | |
| Lake Houston | 73 | - | 128,860 | 100 | 0 | 0 | 0 | 0 |
| Lake Texana | 74 | | 123,380 | 78 | -4,960 | -3 | -33,180 | -21 |
| TOTAL | | 286,760 | 252,240 | 88 | -4,960 | -2 | -33,180 | -12 |
| | | SO | UTHERN | | | | | |
| Choke Canyon Reservoir | 75 | | 599,000 | 86 | -7,000 | -1 | -92,000 | -13 |
| Lake Corpus Christi | 76 | 241,240 | 116,400 | 48 | -11,500 | -5 | -124,840 | -52 |
| - Falcon Reservoir (Texas) | 77 | 1,555,120 | 867,000 | 56 | -32,000 | -2 | -11,000 | -1 |
| Falcon Reservoir | | | | | | | | |
| (Texas and Mexico) | (77) | 2,653,290 | 1,493,000 | 56 | -51,000 | -2 | -361,000 | -14 |
| TOTAL | | 2,491,620 | 1,582,400 | 64 | -50,500 | -2 | | -9 |
| IOIAD | | | | | | | | |
| TOTAL | | | | | | | | |

Note:

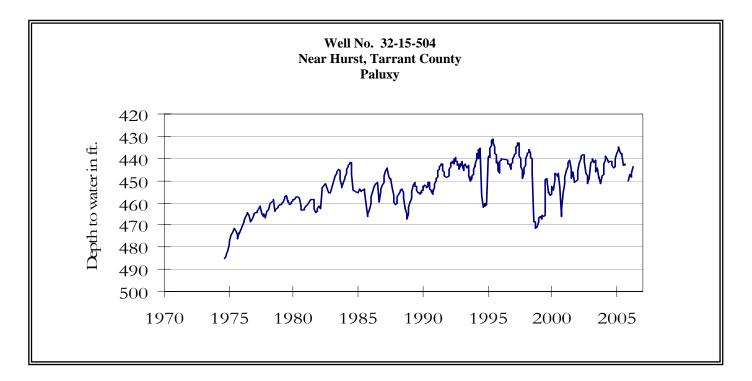
Conservation storage capacity is the space available to store water above the level of invert of lowest outlet works and below the level of top of conservation pool or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not included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

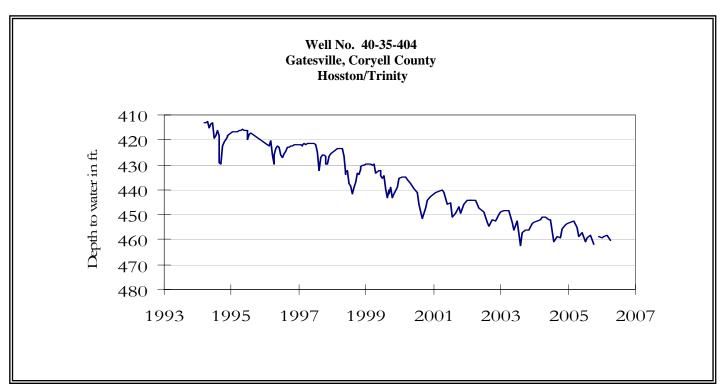
MARCH GROUND WATER LEVELS IN OBSERVATION WELLS



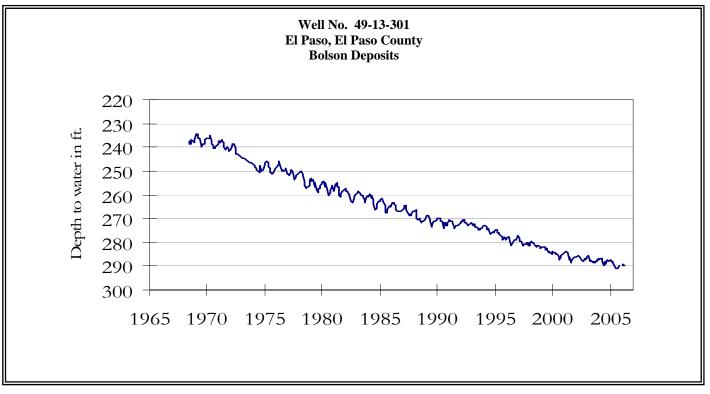
The water-level measurement is not available this month for this Ogallala aquifer well (recorder under repair). The graph presented is from last month's report.



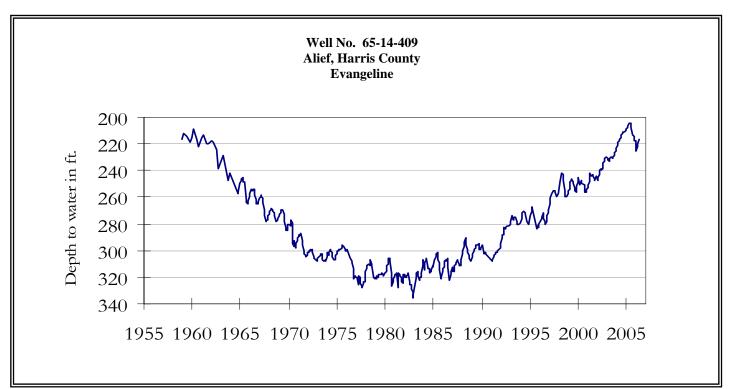
The late March water-level measurement in this Paluxy Formation Trinity aquifer well, elevation 535 feet above sea level, was 443.82 feet below land surface. This measurement was 3.08 feet above last month's measurement, 6.38 feet below last year's measurement, and 65.82 feet below the initial measurement recorded in 1953. No water level measurements were recorded for September or October 2005.



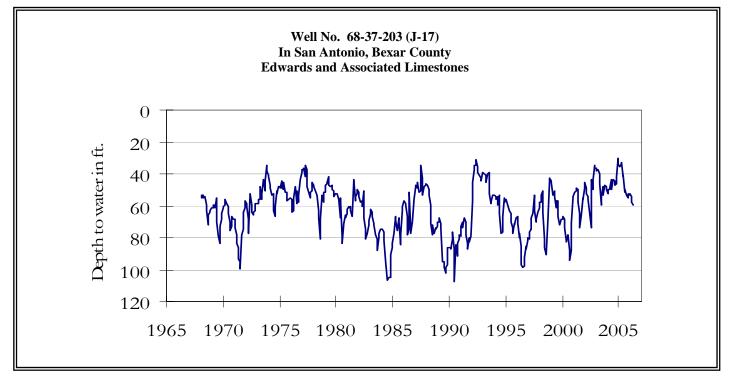
The late March water-level measurement in this Hosston Formation Trinity aquifer well, elevation 823 feet above sea level, was 460.40 feet below land surface. This water level was 2.09 feet below last month's measurement, 5.50 feet below last year's measurement, and 168.40 feet below the initial measurement recorded in 1955. No water level measurement was recorded for October 2005.



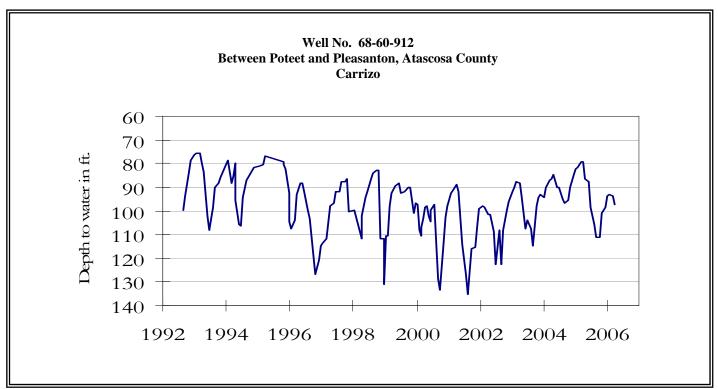
The late March water-level measurement in this Hueco Bolson aquifer well, elevation 3,882 feet above sea level, was 290.02 feet below land surface. This was 0.62 feet below last month's measurement, 1.41 feet below last year's measurement, and 58.12 feet below the initial measurement in 1964. No water level measurements were recorded for October or December 2005.



The late March water-level measurement in this Evangeline Formation Gulf Coast aquifer well, elevation 66 feet above sea level, was 216.74 feet below land surface. This was 2.57 feet above last month's measurement, 12.01 feet below last year's measurement, and 81.24 feet below the initial measurement recorded in 1947.

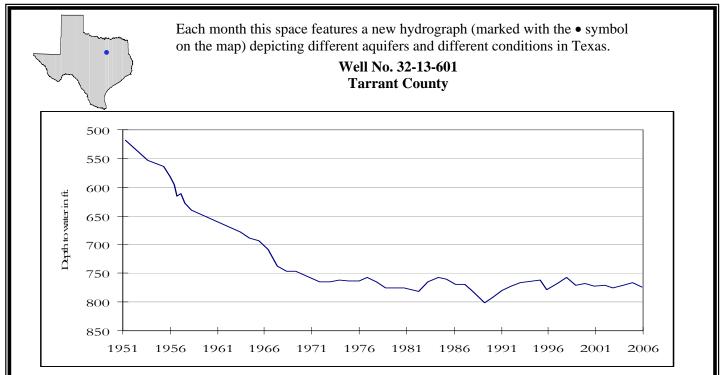


The late March water-level measurement in this Edwards (BFZ) aquifer well, elevation 731 feet above sea level, was 59.18 feet below land surface. This was 1.66 feet below last month's measurement, 26.10 feet below last year's measurement, and 12.54 feet below the initial measurement recorded in 1962.



The late March water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 97.47 feet below land surface. This measurement was 4.06 feet below last month's measurement, 18.10 feet below last year's measurement, and 62.11 feet below the initial measurement recorded in 1965.

HYDROGRAPH OF THE MONTH



This water level observation well, located 4 miles north of Fort Worth, at an elevation of 760 feet ASL, was completed in the Trinity aquifer. Water levels in the Trinity aquifer have historically declined by as much as 550 feet in the Dallas-Fort Worth area.

March, 2006

Water level measurements were available for six of the seven key monitoring wells. Water levels declined in four of the monitoring wells since the beginning of March, ranging from 0.62 feet in the El Paso Co. (Bolson Deposits) well to 4.06 feet in the Atascosa Co. Carrizo well. Water levels rose in the remaining two monitoring wells, ranging from 2.57 feet in the Harris Co. Evangeline well to 3.08 feet in the Tarrant Co. Paluxy well. The J-17 well recorded a water level of 59.18 feet below land surface. This water level is approximately twenty-one (21) feet above the Stage 1 critical management level.

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