Texas Water Development Board

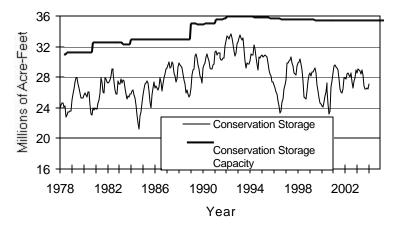


RESERVOIR STORAGE January 2004

Near the end of January, the 77 reservoirs monitored for this report held 27.15 million acre-feet in conservation storage, or 79 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 712,480 acre-feet (2.1% of conservation storage capacity). Compared to the previous year, storage is less, down 1.34 million acre-feet (-3.9%).

Storage in the Upper Coast Region is at capacity (100%), East Region (92%) and South Central Region (90%) near capacity, while the High Plains (23%) and Trans-Pecos (18%) Regions remained lower than one-third. Storage is at 100% in 8 reservoirs. Compared to this time last year, the Edwards Plateau had the largest increase in storage (+10%), while the Low Rolling Plains had the steepest decline (-11%).

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS



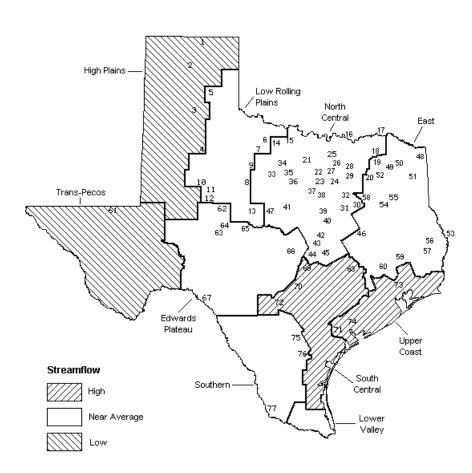
Current data are based on elevation near end of month at 77 reservoirs that represent 98 percent of total conservation storage capacity in Texas reservoirs having a capacity of 5,000 acre-feet or more.

STREAMFLOW

Of 29 reporting index stations in January, computed 31-day mean flows were high (5% - 30% exceedance) at 9 stations, near normal (30% - 70% exceedance) at 11 stations, and low (70% -95% exceedance) at 9 stations. In comparison to December, flows increased at 21 index stations, decreased at 7, and remain unchanged at 1.

On a regional basis, flows in Januray were low in the Trans-Pecos and High Plains Regions, high in Upper Coast and South Central Regions, and near normal everywhere else.

JANUARY STREAMFLOW CONDITIONS



Reservoirs Shown on Map

1. Palo Duro Reservoir 2. Lake Meredith

- 3. MacKenzie Reservoir
- White River Lake
- 5. Greenbelt Reservoir Lake Kemp

4.

- 6. 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 20.
- 21
- Bridgeport Reservoir Eagle Mountain Reservoir 22.
- 23. Benbrook Lake
- 24
- 25. 26
- 27.
 - Lavon Lake
- 29
- 30. 31.
- 33. Hubbard Creek Reservoir
- 34. Lake Graham
- 35. 36.
- 37. Lake Granbury
- 38.

- 61. Red Bluff Reservoir
- 62. E. V. Spence Reservoir
- 63 Twin Buttes Reservoir
- 64. O. C. Fisher Lake
- 67.
- Somerville Lake
- 69. Lake Travis
- 70. Canyon Lake
- 71. Coleto Creek Reservoir
- 74. Lake Texana
- 75. Choke Canyon Reservoir
- 39. Whitney Lake

- 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

- 65 O H Ivie Reservoir
- 66. Lake Buchanan
- Intl. Amistad Reservoir
- 68

- 72. Medina Lake
- 73. Lake Houston
- 76. Lake Corpus Christi
- 77. Intl. Falcon Reservoir

- Lake Tawakoni
- Joe Pool Lake
- Ray Roberts Lake
- Lewisville Lake
- Grapevine Lake 28.

 - Lake Ray Hubbard Richland-Chambers Creek Lake
 - Navarro Mills Lake
- Bardwell Lake 32.
- Possum Kingdom Lake
- Lake Palo Pinto
- Lake Pat Cleburne

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation Conservation			Change sinc		Change since		
or Reservoir	on	Storage	Storage		Late December		Late January		
	Map	Capacity (acre-feet)	Late January 20 (acre-feet)	004 (%)	2003 (acre-feet)	(%)	2003 (acre-feet)	(%)	
			H PLAINS	(0)	(4010 1000)	(0)	(4010 1000)	(0)	
Palo Duro Reservoir	1	60,900	2,690	4	-110	0	-680	-1	
Lake Meredith (Texas)	2	500,000		27	-1,770	0	-57,780	-12	
Lake Meredith					-				
(Texas and Oklahoma)	(2)	779 , 560	135,940	17	-1,770	0	-57,780	-7	
MacKenzie Reservoir	3	46,250	5,770	12	-20	0	-2,150	- 5	
White River Lake	4	31,850	5,540	17	130	0	-270	-1	
TOTAL		639,000	149,940	23	-1,770	0	-60,880	-10	
		LOW RO	LLING PLAINS						
Greenbelt Reservoir	5	58,200	23,870	41	210	0	340	1	
Lake Kemp	6	319,600	169,240	53	2,260	1	-70,710	-22	
Miller's Creek Reservoir	7	27,890	11,940	43	130	0	-3,040	-11	
Fort Phantom Hill Reservoir	8	70,030	28,180	40	-740	-1	-14,130	-20	
Lake Stamford	9	52,700	30,970	59	-320	-1	-8,480	-16	
Lake J. B. Thomas	10	202,300	20,660	10	-240	0	190	0	
Lake Colorado City	11	30,800	20,110	65	-100	0	3,710	12	
Champion Creek Reservoir	12	41,600	3,360	8	20	0	1,100	3	
Hords Creek Lake	13	8,600	2,370	28	-40	0	-50	-1	
TOTAL		811,720	310,700	38	1,180	0	-91,070	-11	
		NORT	'H CENTRAL						
Lake Kickapoo	14	106,000	59,000	56	-680	-1	-20,700	-20	
- Lake Arrowhead	15	262,100	-	45	-750	0	-36,000	-14	
Lake Texoma	16	2,722,300	-	79	-25,360	-1	-223,760	-8	
Pat Mayse Lake	17	124,500	105,060	84	1,820	1	-15,470	-12	
Cooper Lake	18	273,000	206,530	76	-6,490	-2	-66,470	-24	
Lake Sulphur Springs	19	17,710	15,600	88	0	0	-620	-4	
Lake Tawakoni	20	936,200	782,100	84	0	0	-99,700	-11	
Bridgeport Reservoir	21	374,830	-	59	-4,200	-1	-55,900	-15	
Eagle Mountain Reservoir	22	178,380	139,000	78	200	0	-2,400	-1	
Benbrook Lake	23	88,200	81,080	92	6,340	7	-4,870	-6	
Joe Pool Lake	24	175,800		100	1,630	1	0	0	
Ray Roberts Lake	25	798,760		90	-1,080	0	-77,590	-10	
Lewisville Lake	26	555,000	513,490	93	9,010	2	-41,510	-7	
Grapevine Lake	27	187,700		79	-780	0	-24,310	-13	
Lavon Lake	28	443,800		79	17,830	4	-74,620	-17	
Lake Ray Hubbard	29			85	18,100	4	-60,400	-15	
Richland-Chambers Creek Lake Navarro Mills Lake	30	1,103,820		93 99	11,000	1	79,820- 390-	-7 -1	
Bardwell Lake	31 32	55,810 53,580		90	6,600 5,130	12 10	260	-1	
Hubbard Creek Reservoir	33	317,800		38	-560	10	-28,920	-9	
Lake Graham	34			49	-150	0	-7,300	-16	
Possum Kingdom Lake	35	551,820		74	-5,400	-1	-67,700	-12	
Lake Palo Pinto	36	27,650	-	46	-210	-1	-9,490	-34	
Lake Granbury	37	135,680		98	1,000	1	0	0	
Lake Pat Cleburne	38	25,300		80	380	2	-560	-2	
Whitney Lake	39	622,800		71	8,640	1	-10,540	-2	
Waco Lake	40	144,500		100	0	0	2,540	2	
Proctor Lake	41	55,590	-	85	-680	-1	-8,260	-15	
Belton Lake	42	434,500		100	4,100	1	0	0	
Stillhouse Hollow Lake	43	226,060		98	3,640	2	-3,860	-2	
Lake Georgetown	44			59	230	1	-15,210	-41	
Granger Lake	45			91	3,170	6	-4,950	-9	
Lake Limestone	46	215,750		93	750	0	-13,550	-6	
Lake Brownwood	47	143,400		88	-890	-1	-5,540	-4	
TOTAL		11,908,050	9,667,920	81	52,340	0	-1,057,610	-9	

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

or Reservoir Wright Patman Lake Lake Cypress Springs Lake Bob Sandlin Lake O' the Pines Lake Fork Reservoir Toledo Bend Reservoir	on Map 48 49 50 51 52 53 54	Storage Capacity (acre-feet) 142,700 66,800 202,300 252,000 635,200 4,472,900	64,100 180,100	04 (%) 100 96 89	Late Decembe 2003 (acre-feet) 0 630	er (%) 0 1	Late Januar 2003 (acre-feet) 0	(%)
Lake Cypress Springs Lake Bob Sandlin Lake O' the Pines Lake Fork Reservoir Toledo Bend Reservoir	48 49 50 51 52 53	(acre-feet) 142,700 66,800 202,300 252,000 635,200	(acre-feet) EAST 142,700 64,100 180,100	(%) 100 96	(acre-feet)	0	(acre-feet)	(%)
Lake Cypress Springs Lake Bob Sandlin Lake O' the Pines Lake Fork Reservoir Toledo Bend Reservoir	49 50 51 52 53	142,700 66,800 202,300 252,000 635,200	EAST 142,700 64,100 180,100	100 96	0	0	<u> </u>	
Lake Cypress Springs Lake Bob Sandlin Lake O' the Pines Lake Fork Reservoir Toledo Bend Reservoir	49 50 51 52 53	66,800 202,300 252,000 635,200	142,700 64,100 180,100	96			0	0
Lake Cypress Springs Lake Bob Sandlin Lake O' the Pines Lake Fork Reservoir Toledo Bend Reservoir	49 50 51 52 53	66,800 202,300 252,000 635,200	142,700 64,100 180,100	96			0	~
Lake Cypress Springs Lake Bob Sandlin Lake O' the Pines Lake Fork Reservoir Toledo Bend Reservoir	49 50 51 52 53	66,800 202,300 252,000 635,200	64,100 180,100	96			Ū	0
Lake Bob Sandlin Lake O' the Pines Lake Fork Reservoir Toledo Bend Reservoir	50 51 52 53	202,300 252,000 635,200	180,100		0.00		-2,700	-4
Lake O' the Pines Lake Fork Reservoir Toledo Bend Reservoir	51 52 53	252,000 635,200	-	~ ~ ~	600	0	-22,200	-11
Lake Fork Reservoir Toledo Bend Reservoir	52 53	635,200		92	7,860	3	4,650	2
Toledo Bend Reservoir	53	-	-	96	36,500	6	-25,300	-4
		a ayy 400		89	214,000	5	39,000	1
Lake Palestine	51	411,300		94	6,270	2	-24,350	-6
Lake Tyler	55	73,700	68,990	94	1,210	2	-4,710	-6
Sam Rayburn Reservoir	56	2,876,300	-	89	174,170	6	-305,920	-11
B. A. Steinhagen Lake	57	94,200	86,720	92	5,190	6	1,810	2
Cedar Creek Reservoir	58	637,050	-	86	-4,800	-1	-89,700	-14
Lake Livingston	59	1,750,000	-	100	0	0	03,7,00	0
Lake Conroe	60	429,900		98	2,700	1	4,700	1
TOTAL		12,044,350		92	444,330	4	-424,720	-4
		12,011,000	11,019,010	2	111,000	-	121,720	-
			NS-PECOS					
Red Bluff Reservoir	61	307,000	-	18	-480	0	-3,220	-1
TOTAL		307,000	54,920	18	-480	0	-3,220	-1
		EDWAR	DS PLATEAU					
E. V. Spence Reservoir	62	488,760	43,920	9	-1,520	0	3,020	1
Twin Buttes Reservoir	63	177,800	4,510	3	160	0	-830	0
0.C. Fisher Lake	64	119,200	2,930	2	-40	0	-380	0
O. H. Ivie Reservoir	65	554,340	193,020	35	-2,740	0	-16,880	- 3
Lake Buchanan	66	896,980	812,210	91	-19,180	-2	-71,660	- 8
Amistad Reservoir (Texas)	67	1,771,030	1,415,000	80	215,000	12	488,000	28
Amistad Reservoir								
(Texas and Mexico)	(67)	3,151,300	1,562,000	50	36,000	1	496,000	16
TOTAL		4,008,110	2,471,590	62	191,680	5	401,270	10
		SOUT	H CENTRAL					
Somerville Lake	68	155,060	155,060	100	3,370	2	0	0
Lake Travis	69	1,144,100	981,730	86	38,930	3	-162,370	-14
Canyon Lake	70	385,600	379,840	99	1,810	0	-5,760	-1
Coleto Creek Reservoir	71	35,060	31,980	91	240	1	0	0
Medina Lake	72	254,000	219,900	87	-5,000	- 2	-34,100	-13
TOTAL		1,973,820	1,768,510	90	39,350	2	-202,230	-10
		UPP	ER COAST					
Lake Houston	73	128,860		100	0	0	0	0
Lake Texana	74	157,900		100	10,850	7	-730	0
TOTAL		286,760		100	10,850	4	-730	0

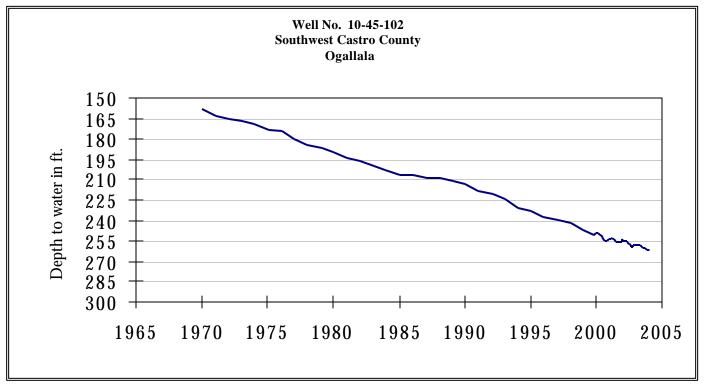
CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservation		Change since		Change since	
or Reservoir	on	Storage	Storage		Late December		Late January	
	Map	Capacity	Late January 2004		2003		2003	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
		SO	UTHERN					
Choke Canyon Reservoir	75	695,260	682,000	98	2,000	0	-13,260	-2
Lake Corpus Christi	76	241,240	238,900	99	-1,000	0	-2,340	-1
Falcon Reservoir (Texas)	77	1,555,120	490,000	32	-26,000	- 2	111,000	7
Falcon Reservoir								
(Texas and Mexico)	(77)	2,653,290	1,143,000	43	-5,000	0	428,000	16
TOTAL		2,491,620	1,410,900	57	-25,000	-1	95,400	4
STATE TOTAL		34,470,430	27,149,550	79	712,480	2.00	-1,343,790	-4

Note:

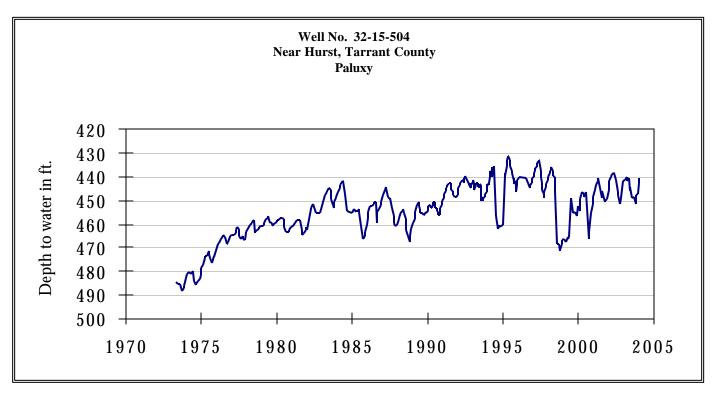
Conservation storage capacity is the space available to store water above the level of invert of lowest outlet works and below the level of top of conservation pool or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not included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

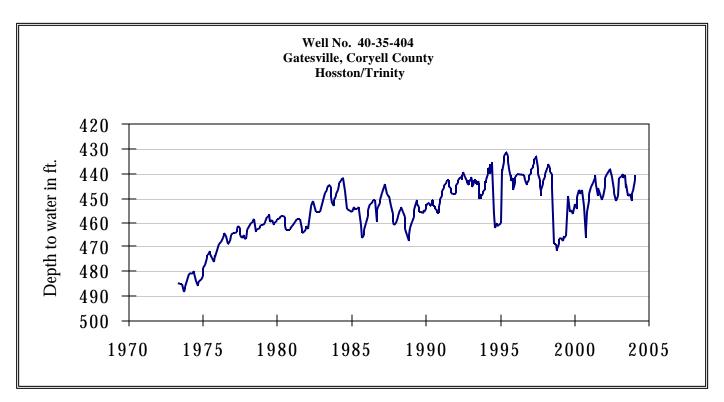


JANUARY GROUND WATER LEVELS IN OBSERVATION WELLS

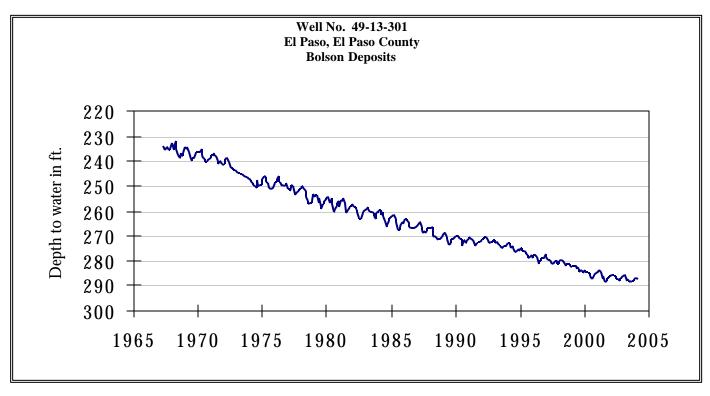
The late January water-level measurement in this Ogallala aquifer well, elevation 3,816 feet above sea level, was 261.00 feet below land surface. This measurement was 0.17 feet above last month's measurement, last year's measurement was not recorded, and 105.20 feet below the initial measurement recorded in 1968.



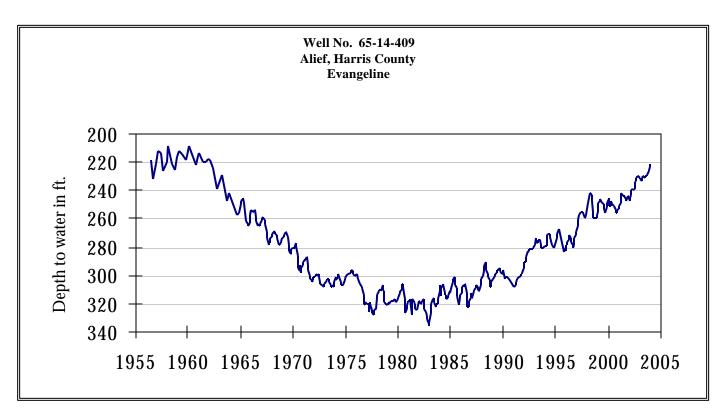
The late January water-level measurement in this Paluxy Formation Trinity aquifer well, elevation 535 feet above sea level, was 440.73 feet below land surface. This measurement was 1.57 feet above last month's measurement, 0.49 feet above last year's measurement, and 47.34 feet below the initial measurement recorded in 1953.



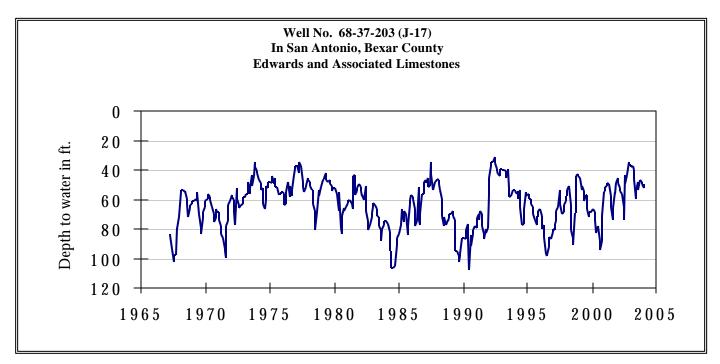
The late January water-level measurement in this Hosston Formation Trinity aquifer well, elevation 823 feet above sea level, was 452.31 feet below land surface. This measurement was 0.69 feet above last month's measurement, 4.09 feet below last year's measurement, and 160.31 feet below the initial measurement recorded in 1955.



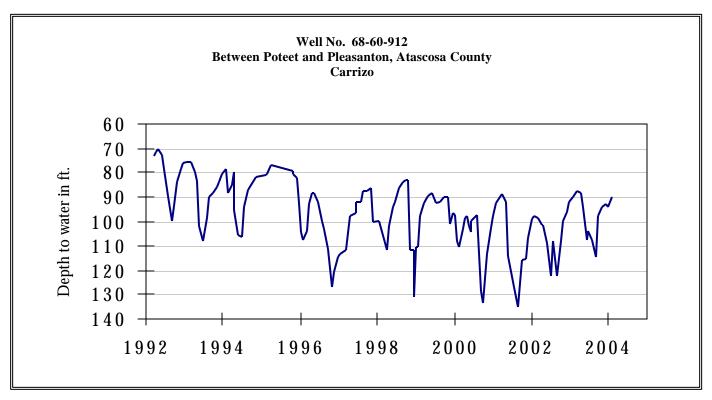
The late January water-level measurement in this Hueco Bolson aquifer well, elevation 3,882 feet above sea level, was 287.10 feet below land surface. This was 0.30 feet above last month's measurement, 1.58 feet below last year's measurement, and 55.20 feet below the initial measurement recorded in 1964.



The late January water-level measurement in this Evangeline Formation Gulf Coast aquifer well, elevation 66 feet above sea level, was 221.26 feet below land surface. This was 1.84 feet above last month's measurement, 10.85 feet above last year's measurement, and 118.03 feet below the initial measurement recorded in 1947.

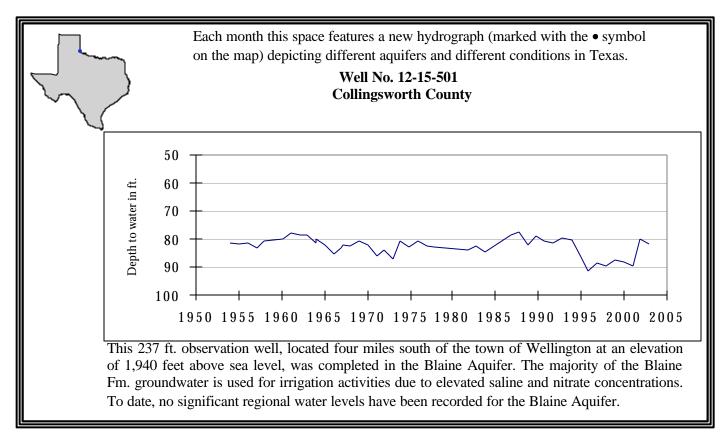


The late January water-level measurement in this Edwards (BFZ) aquifer well, elevation 731 feet above sea level, was 50.20 feet below land surface. This was 1.80 feet above last month's measurement, 12.42 feet below last year's measurement, and 9.42 feet above the initial measurement recorded in 1962.



The late January water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 90.12 feet below land surface. This measurement was 3.88 feet above last month's measurement, 0.10 feet above last year's measurement, and 8.87 feet below the initial measurement recorded in 1965.

HYDROGRAPH OF THE MONTH



January 31, 2004

Water levels increased in all seven key monitoring wells since the beginning of January, ranging from 0.17 foot in the Castro County (Ogallala Aquifer) well to 3.88 feet in the Atascosa County (Carrizo Aquifer) well. The water level increased 1.80 foot since the beginning of January in the Bexar County (J-17) San Antonio Edwards (BFZ) index well.

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