Texas Water Development Board





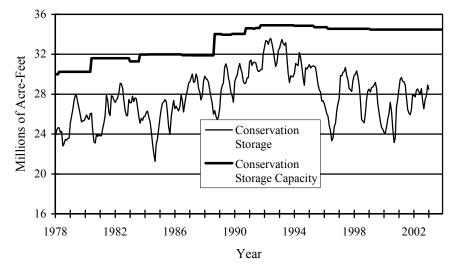
RESERVOIR STORAGE January 2003

Near the end of January, the 77 reservoirs monitored for this report held 28.49 million acre-feet in conservation storage, or 82.7 percent of the conservation storage capacity of the State's major reservoirs. Statewide total storage is at the median for this time of year. Storage decreased for the month, down 0.41 million acre-feet (-1.2%). Compared to last year at this time, storage is up 0.62 million acre-feet (+1.8%).

Storage in the South Central and Upper Coast Regions are at 100%. East (95%) and North Central (90%) Regions remain high, while the High Plains (33%), Low Rolling Plains (49%), Edwards Plateau (52%) and Southern (53%) Regions all remained low. The Trans-Pecos Region, represented by Red Bluff Reservoir, remained very low at 19% of capacity.

Lake Corpus Christi and Choke Canyon reservoir are still at 100% capacity, still feeling the benefits of our current El Nino pattern and the floods last year.





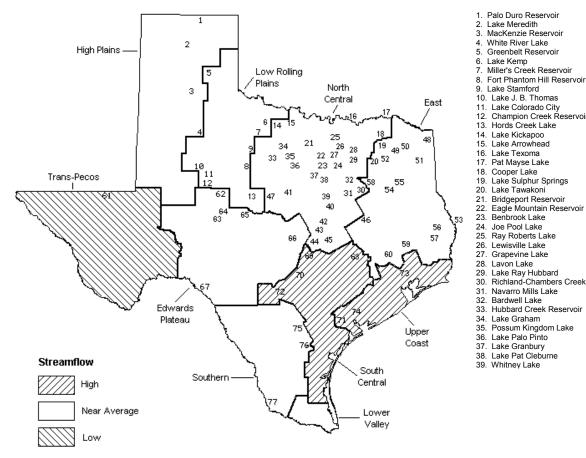
Current data are based on elevation near end of month at 77 reservoirs that represent 98 percent of total conservation storage capacity in Texas reservoirs having a capacity of 5,000 acre-feet or more.

STREAMFLOW

Of 29 reporting index stations in January, computed 30-day mean flows were high (5% - 30% exceedance) at 10 stations, near normal (30% - 70% exceedance) at 15 stations, and low (70% - 95% exceedance) at 4 stations. Compared to December, flows increased at 2 index stations and decreased at 27.

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

JANUARY STREAMFLOW CONDITIONS



Reservoirs Shown on Map

- 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 Wright Patman Lake 48.
 - 49. Lake Cypress Springs
 - 50. Lake Bob Sandlin
 - 51 Lake O' the Pines
 - 52. Lake Fork Reservoir
 - Toledo Bend Reservoir 53. 54. Lake Palestine
 - 55. Lake Tyler
 - 56. Sam Rayburn Reservoir
 - 57. B. A. Steinhagen Lake
 - Cedar Creek Reservoir 58. 59. Lake Livingston
- 60. Lake Conroe
- Red Bluff Reservoir 61.
 - E. V. Spence Reservoir
 - Twin Buttes Reservoir 63. 64
 - O. C. Fisher Lake 65. O. H. Ivie Reservoir
 - Lake Buchanan
 - 67. Intl. Amistad Reservoir

 - 70.

 - 72 Medina Lake

 - 77. Intl. Falcon Reservoir
- 66.
 - Somerville Lake 68. 69. Lake Travis
 - Canvon Lake
 - Coleto Creek Reservoir
 - 73. Lake Houston
 - 74. Lake Texana
 - 75. Choke Canyon Reservoir 76. Lake Corpus Christi
- Lake Granbury 38. Lake Pat Cleburne 39. Whitney Lake

Lake Stamford

Lake Colorado City

Hords Creek Lake Lake Kickapoo

Lake Arrowhead

Pat Mayse Lake

Lake Tawakoni

Joe Pool Lake

Lewisville Lake

Lavon Lake

Grapevine Lake

Lake Ray Hubbard

Navarro Mills Lake

Possum Kingdom Lake

Bardwell Lake

Lake Graham

Lake Palo Pinto

Richland-Chambers Creek Lake

Ray Roberts Lake

Lake Sulphur Springs

Bridgeport Reservoir

Eagle Mountain Reservoir

Lake Texoma

Cooper Lake

Champion Creek Reservoir

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No. Conservation Conservation		n	Change sinc	е	Change since		
or Reservoir				Late Decembe	er	Late January		
	Map	Capacity	Late January 2003		2002		2002	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
		HIGH H	PLAINS					
Palo Duro Reservoir	1	60,900	3,370	6	-150	0	-2,500	-4
Lake Meredith (Texas)	2	500,000	193,720	39	-3,860	-1	-59,380	-12
Lake Meredith								
(Texas and Oklahoma)	(2)	779,560	193,720	25	-3,860	0	-59,380	- 8
MacKenzie Reservoir	3	46,250	7,920	17	-130	0	-530	-1
White River Lake	4	31,850	5,810	18	-280	-1	-1,650	- 5
TOTAL		639,000	210,820	33	-4,420	-1	-64,060	-10
		LOW ROLLI	NG PLAINS					
Greenbelt Reservoir	5	58,200	23,530	40	120	0	-700	-1
Lake Kemp	6	319,600	239,950	75	-1,170	0	106,250	33
Miller's Creek Reservoir	7	27,890	14,980	54	-310	-1	2,400	9
Fort Phantom Hill Reservoir	8	70,030	42,310	60	-1,690	-2	12,060	17
Lake Stamford	9	52,700	39,450	75	-940	-2	23,600	45
Lake J. B. Thomas	10	202,300	20,470	10	-570	0	470	0
Lake Colorado City	11	30,800	16,400	53	-250	-1	-2,580	- 8
Champion Creek Reservoir	12	41,600	2,260	5	-30	0	120	0
Hords Creek Lake	13	8,600	2,420	28	-70	-1	-650	- 8
TOTAL		811,720	401,770	49	-4,910	-1	140,970	17
		NORTH C	CENTRAL					
Lake Kickapoo	14	106,000	79,700	75	-2,410	-2	9,090	9
Lake Arrowhead	15	262,100	153,140	58	-1,110	0	-260	0
Lake Texoma	16	2,722,300	2,364,680	87	-302,960	-11	-100,320	-4
Pat Mayse Lake	17	124,500	120,530	97	-3,970	- 3	-3,970	- 3
Cooper Lake	18	273,000	273,000	100	0	0	0	0
Lake Sulphur Springs	19	17,710	16,220	92	-1,310	-7	-1,490	- 8
Lake Tawakoni	20	936,200	881,800	94	-25,700	- 3	-35,800	-4
Bridgeport Reservoir	21	374,830	277,700	74	-2,200	-1	-8,500	- 2
Eagle Mountain Reservoir	22	178,380	141,400	79	-4,600	-3	-2,400	-1
Benbrook Lake	23	88,200	85,950	97	3,590	4	11,310	13
Joe Pool Lake	24	175,800	175,800	100	0	0	0	0
Ray Roberts Lake	25	798,760	798,760	100	0	0	40,060	5
Lewisville Lake	26	555,000	555,000	100	0	0	37,700	7
Grapevine Lake	27	187,700	172,770	92	-420	0	27,570	15
Lavon Lake	28	443,800	423,520	95	18,200	4	50,920	11
Lake Ray Hubbard	29	413,420	413,100	100	-320	0	-320	0
Richland-Chambers Creek Lake	30	1,103,820	1,103,820	100	0	0	0	0
Navarro Mills Lake	31	55,810		100	0	0	0	0
Bardwell Lake	32	53,580		89	-1,240	-2	-1,240	-2
Hubbard Creek Reservoir	33	317,800		47	-2,200	-1	35,500	11
Lake Graham	34	45,000		65	-590	-1	-4,170	- 9
Possum Kingdom Lake	35	551,820		87	-6,100	-1	19,500	4
Lake Palo Pinto	36	27,650		81	-610	-2	7,360	
Lake Granbury	37	135,680		98	0	0	13,800	10
Lake Pat Cleburne	38	25,300		82	70	0	-3,640	
Whitney Lake	39	622,800		73	-7,400	-1	-20,780	-3
Waco Lake	40	144,500		98	-2,540	-2	-2,540	-2
Proctor Lake	41	55,590			-50	0	19,520	
Belton Lake	42	434,500			0	0	0	0
Stillhouse Hollow Lake	43	226,060			0	0	0	0
Lake Georgetown	44	37,010			0	0	0	0
Granger Lake	45	54,280			0	0	0	0
Lake Limestone	46	215,750			-750	0	-750	0
Lake Brownwood	47	143,400		92	-1,250	-1	23,340	16
TOTAL		11,908,050	10,725,530	90	-345,870	-3	109,490	1

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	of Lake No. Conservation Conservatio		Conservatio	n	Change sinc	e	Change since		
or Reservoir	eservoir on Storage Storage Map Capacity Late January 20			Late December 03 2002		Late January 2002			
			2003						
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)	
		EA	۹T						
Wright Patman Lake	48			100	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	• • • •	-		-6,920	-3	-24,650	-	
Lake Fork Reservoir	52				0	0	0	0	
Toledo Bend Reservoir	53				-216,000	-5	-298,000	-7	
Lake Palestine	54				7,280	2	0	0	
Lake Tyler	55				0	0	0	0	
Sam Rayburn Reservoir	56				0	0	0	0	
B. A. Steinhagen Lake	57				390	0	39,860	42	
Cedar Creek Reservoir	58	637,050	635,600	100	-1,450	0	-1,450	0	
Lake Livingston	59	1,750,000	1,750,000	100	0	0	0	0	
Lake Conroe	60	429,900	415,800	97	-5,500	-1	-3,500	-1	
TOTAL		12,044,350	11,453,760	95	-222,200	-2	-287,740	- 2	
		TD 3 MG	DEGOG						
	C1		-PECOS	10	1 (50	-	10 000	~	
Red Bluff Reservoir TOTAL	61	307,000 307,000			1,650 1,650	1 1	18,690 18,690	6 6	
IOIAL		307,000	58,140	19	1,050	Ŧ	18,090	0	
		EDWARDS	PLATEAU						
E. V. Spence Reservoir	62	488,760	40,900	8	-1,640	0	-17,640	-4	
Twin Buttes Reservoir	63	177,800	5,340	3	110	0	-2,870	-2	
O.C. Fisher Lake	64	119,200	3,310	3	-120	0	-1,080	-1	
O. H. Ivie Reservoir	65	554,340	209,900	38	-4,200	-1	-44,300	- 8	
Lake Buchanan	66	896,980	883,870	99	0	0	106,970	12	
Amistad Reservoir (Texas)	67	1,771,030	927,000	52	142,000	8	114,000	6	
Amistad Reservoir									
(Texas and Mexico)	(67)	3,151,300		34	33,000	1	88,000	3	
TOTAL		4,008,110	2,070,320	52	136,150	3	155,080	4	
		SOUTH (CENTRAL						
Somerville Lake	68	155,060	155,060	100	0	0	0	0	
Lake Travis	69	1,144,100	1,144,100	100	0	0	0	0	
Canyon Lake	70	385,600	385,600	100	360	0	700	0	
Coleto Creek Reservoir	71	35,060	31,980	91	0	0	-140	0	
Medina Lake	72	254,000	254,000	100	0	0	0	0	
TOTAL		1,973,820			360	0	560	0	
		IIPPER	COAST						
Lake Houston	73			100	0	0	0	0	
Lake Texana	74				0	0	2,800	2	
TOTAL	,1	286,760			0	0	2,800	1	
101112		200,700	200,700		Ū	Ŭ	2,000	-	

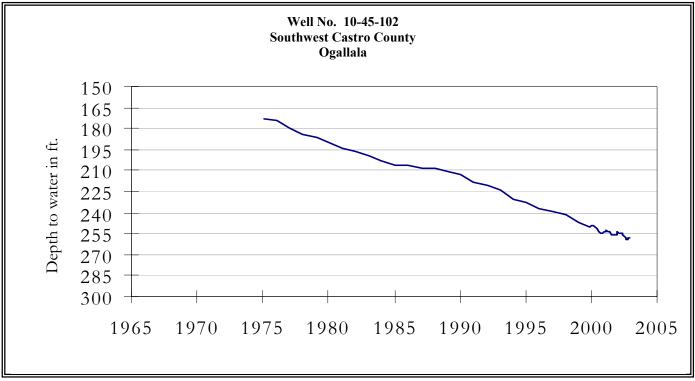
CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake or Reservoir	No. on Map	Conservation Storage Capacity (acre-feet)	Conservation Storage Late January 2 (acre-feet)	torage Late December anuary 2003 2002		ər	Change since Late January 2002 (acre-feet) (%)	
		SOUT	HERN					
Choke Canyon Reservoir	75	695,260	695,260	100	1,260	0	417,260	60
Lake Corpus Christi	76	241,240	241,240	100	0	0	0	0
Falcon Reservoir (Texas)	77	1,555,120	379,000	24	24,000	2	122,000	8
Falcon Reservoir								
(Texas and Mexico)	(77)	2,653,290	715,000	27	2,000	0	287,000	11
TOTAL		2,491,620	1,315,500	53	25,260	1	539,260	22
STATE TOTAL		34,470,430	28,493,340	83	-413,980	-1	615,050	2

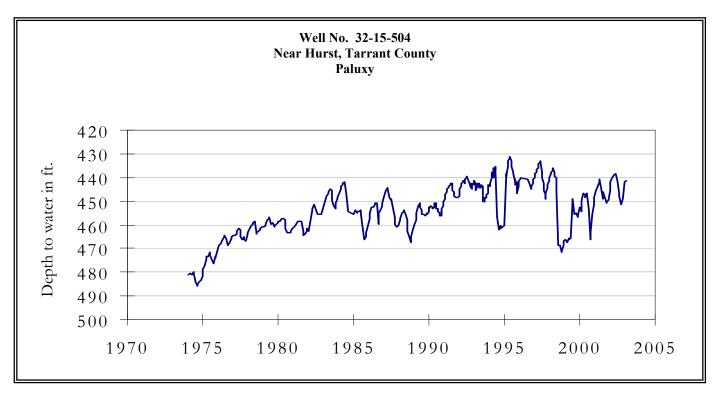
Note:

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.

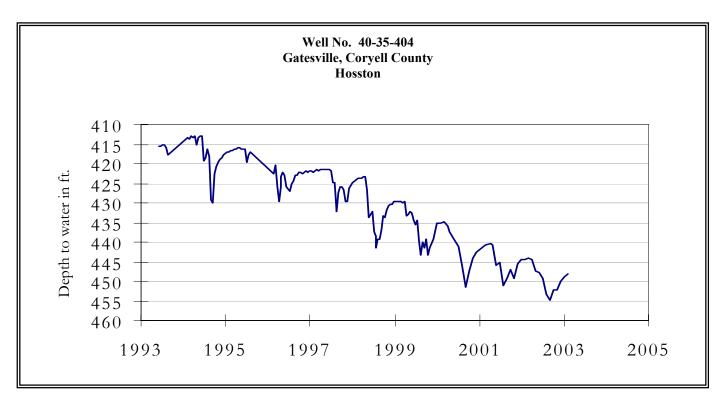


Due to a USGS water-level recorder malfunction in the Castro County well, the January water-level measurement was not available.

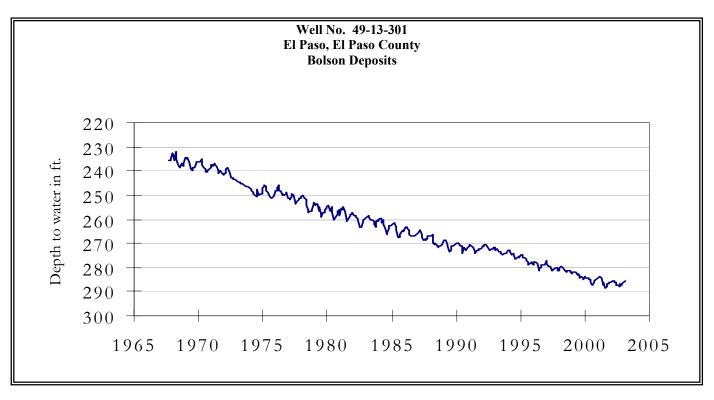


The late January water-level measurement in this Paluxy Formation Trinity aquifer well, elevation 535 feet above sea level, was 441.22 feet below land surface. This measurement was 0.64 feet above last month's measurement, 0.84 feet above last year's measurement, and 47.83 feet below the initial measurement recorded in 1953.

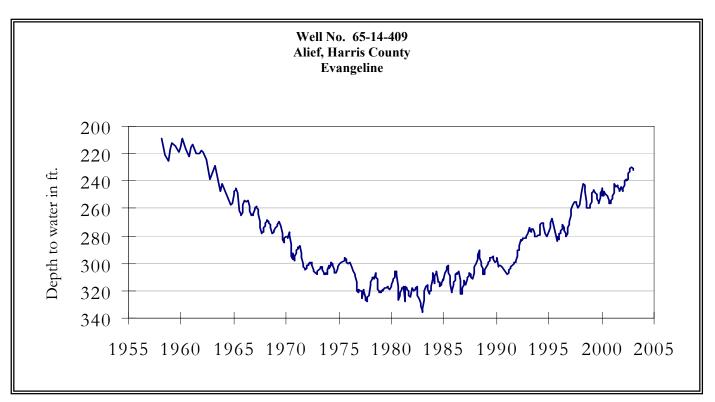
JANUARY GROUND WATER LEVELS IN OBSERVATION WELLS



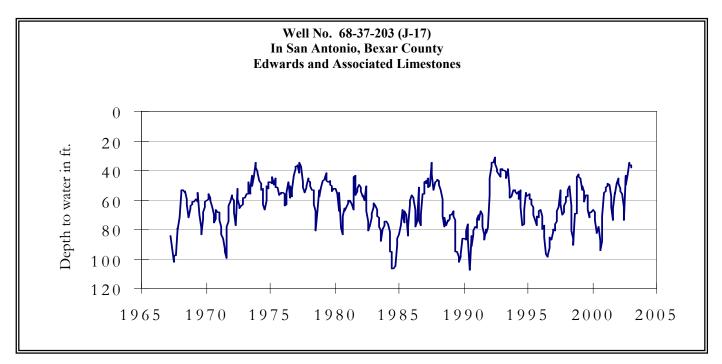
The late January water-level measurement in this Hosston Formation Trinity aquifer well, elevation 823 feet above sea level, was 448.22 feet below land surface. This measurement was 0.70 feet above last month's measurement, 3.77 feet below last year's measurement, and 156.22 feet below the initial measurement recorded in 1955.



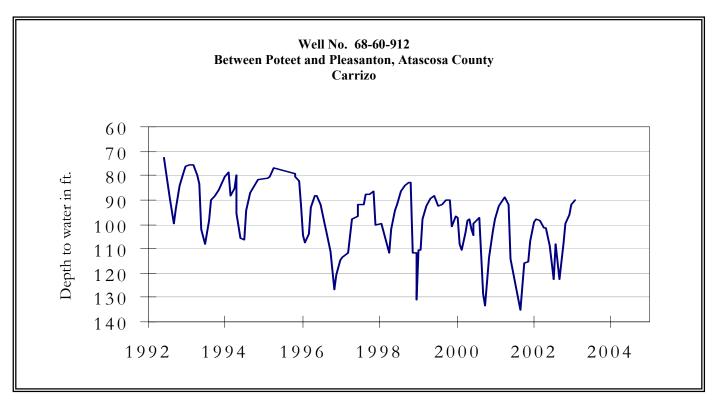
The late January water-level measurement in this Hueco Bolson aquifer well, elevation 3,882 feet above sea level, was 285.51 feet below land surface. This was 0.53 feet above last month's measurement, 0.76 feet above last year's measurement, and 53.61 feet below the initial measurement recorded in 1964.



The late January water-level measurement in this Evangeline Formation Gulf Coast aquifer well, elevation 66 feet above sea level, was 232.11 feet below land surface. This was 1.04 feet below last month's measurement, 12.55 feet above last year's measurement, and 128.88 feet below the initial measurement recorded in 1947.

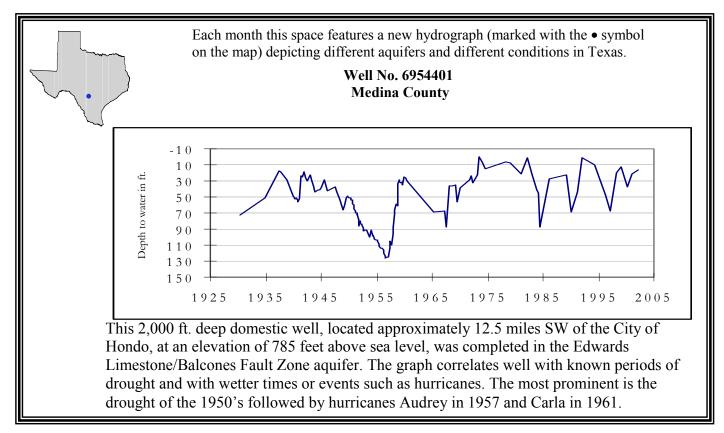


The late January water-level measurement in this Edwards (BFZ) aquifer well, elevation 731 feet above sea level, was 37.78 feet below land surface. This was 1.62 feet below last month's measurement, 11.22 feet above last year's measurement, and 21.84 feet above the initial measurement recorded in 1962.



The late January water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 90.22 feet below land surface. This measurement was 1.55 feet above last month's measurement, 7.67 feet above last year's measurement, and 8.97 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