Texas Water Development Board





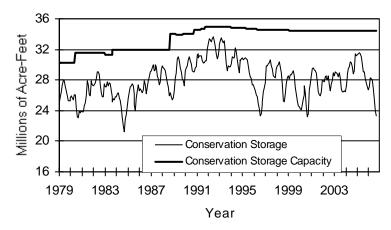
RESERVOIR STORAGE

September 2006

Near the end of September, the 77 reservoirs monitored for this report held 23.38 million acre-feet in conservation storage, or 68 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 0.63 million acre-feet (-2% of conservation storage capacity). Compared to last year, storage decreased by 4.82 million acre-feet (-14%).

Storage was near 100% 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 2 reservoirs and Texas' share of Amistad is at 106%. During September, storage increased in 16 reservoirs, decreased in 58 reservoirs, and remained unchanged in 3 reservoirs. Regionally, storage increased in the High Plains, Trans-Pecos, and Upper Coast Regions in the range of up to 4%, but decreased in remaining 6 regions by up to 3%. Compared to this time last year, the storage decreased in all regions except the Upper Coast where storage increased by 8%. The sharpest decrease was in the South Central Region (-25%).

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.

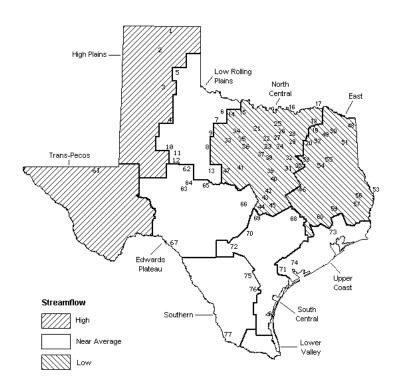
STREAMFLOW

Of 29 reporting index stations in September, computed 30-day mean flows were high (5% - 30%) at 5 stations, low (70% - 95%) at 12 stations, very low (>95%) at 1 station, and near normal (30% - 70% exceedance) at the remaining 11 stations. Compared to August, flows have increased at 19 index stations and decreased at 7 stations.

On a regional basis, flows in September were high in High Plains and Trans-Pecos Regions, low in North Central and East Texas Regions, and normal in all other Regions. Streamflow in the Lower Valley Region is not monitored.

SEPTEMBER STREAMFLOW CONDITIONS

Reservoirs Shown on Map



Palo Duro Reservoir Lake Meredith MacKenzie Reservoir White River Lake Greenbelt Reservoir 7 Miller's Creek Reservoir 8. Fort Phantom Hill Reservoir Lake Stamford
Lake J. B. Thomas Lake Colorado City 12. Champion Creek Reservoir13. Hords Creek Lake 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 Joe Pool Lake Ray Roberts Lake Lewisville Lake Grapevine Lake 28. Lavon Lake Lake Ray Hubbard Richland-Chambers Creek Lake Navarro Mills Lake Bardwell Lake 33. Hubbard Creek Reservoir Lake Graham Possum Kingdom Lake Lake Palo Pinto Lake Granbury 38. Lake Pat Cleburne 39. Whitney Lake

40. Waco Lake 41. Proctor Lake Belton Lake Stillhouse Hollow Lake 44. Lake Georgetown Granger Lake 46 Lake Limestone 47. Lake Brownwood 48. Wright Patman Lake 49. Lake Cypress Springs Lake Bob Sandlin 51 Lake O' the Pines 52. Lake Fork Reservoir 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 Twin Buttes Reservoir 64. O. C. Fisher Lake 65. O. H. Ivie Reservoir Lake Buchanan 67. Intl. Amistad Reservoir Somerville Lake 69. Lake Travis 70. Canvon Lake Coleto Creek Reservoir 72. Medina Lake 73. Lake Houston 74. Lake Texana 75. Choke Canvon Reservoir Lake Corpus Christi 77. Intl. Falcon Reservoir

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservation		Change since		Change since				
or Reservoir	on	Storage	Storage		Late August		Late September				
	Map	Capacity	Late Sept.	Late Sept. 2006			2005				
	_	(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)			
	1	HIGH	PLAINS			<u> </u>					
Palo Duro Reservoir	1	_	910	1	0	0	-1,470	-2			
Lake Meredith (Texas)	2		111,840	22	1,040	0	-49,620	-10			
Lake Meredith											
(Texas and Oklahoma)	(2)	779,560	111,840	14	1,040	0	-49,620	-6			
MacKenzie Reservoir	3	46,250	8,720	19	40	0	-1,470	-3			
White River Lake	4	31,850	3,750	12	430	1	-3,330	-10			
TOTAL		639,000	125,220	20	1,510	0	-55,890	-9			
LOW ROLLING PLAINS											
Greenbelt Reservoir	5		18,590	32	-50	0	-4,250	-7			
Lake Kemp	6	-	168,750	53	-980	0	-114,450	-36			
Miller's Creek Reservoir	7		19,370	69	-860	-3	-8,520	-31			
Fort Phantom Hill Reservoir	8		43,250	62	-400	-1	-10,170	-15			
Lake Stamford	9	52,700	35,960	68	-1,590	-3	-16,740	-32			
Lake J. B. Thomas	10	202,300	35,820	18	-1,590	-1	-29,900	-15			
Lake Colorado City	11	30,800	24,440	79	190	1	-4,790	-16			
Champion Creek Reservoir	12	41,600	5,340	13	-30	0	-450	-1			
Hords Creek Lake	13	8,600	4,940	57	-200	-2	-2,360	-27			
TOTAL		811,720	356,460	44	-5,510	-1	-191,630	-24			
		NODEL	CENTED AT								
Tales Wighers	1.4		CENTRAL	63	2 420	_	21 460	20			
Lake Kickapoo Lake Arrowhead	14	•	66,870	63	-2,420	-2	-31,460	-30			
Lake Texoma	15 16	•	176,300	67 82	-3,000 24,820	-1 1	-32,540 -276,220	-12 -10			
Pat Mayse Lake	17		2,222,170 79,600	64	-3,330	-3	-22,980	-18			
Cooper Lake	18	273,000	93,760	34	-15,400	-6	-91,400	-33			
Lake Sulphur Springs	19	17,710	13,720	77	-560	-3	970	-33 5			
Lake Tawakoni	20	936,200	538,000	57	-33,200	-4	-158,300	-17			
Bridgeport Reservoir	21		196,000	52	-4,600	-1	-82,500	-22			
Eagle Mountain Reservoir	22	-	127,000	71	-8,600	-5	-17,100	-10			
Benbrook Lake	23		48,050	54	-2,150	-2	-4,630	-5			
Joe Pool Lake	24		159,720	91	-2,740	-2	-700	0			
Ray Roberts Lake	25	798,760	605,330	76	-28,390	-4	-138,880	-17			
Lewisville Lake	26	555,000	389,130	70	5,890	1	-120,090	-22			
Grapevine Lake	27	187,700	109,540	58	-5,840	-3	-41,460	-22			
Lavon Lake	28	443,800	177,780	40	-17,560	-4	-145,660	-33			
Lake Ray Hubbard	29	413,420	320,100	77	-10,100	-2	-40,700	-10			
Richland-Chambers Creek Lake	30		767,000	69	-35,000	-3	-251,000	-23			
Navarro Mills Lake	31		25,260	45	-1,910	-3	-20,080	-36			
Bardwell Lake	32		37,130	69	-1,270	-2	-3,450	-6			
Hubbard Creek Reservoir	33		160,500	51	-4,440	-1	-34,320	-11			
Lake Graham	34		36,380	81	-1,700	-4	-150	12			
Possum Kingdom Lake Lake Palo Pinto	35 36		450,180 13,770	82 50	-4,300 -790	-1 -3	-73,220 -4,960	-13 -18			
Lake Granbury	37		118,800	88	-6,320	-5	-15,200	-11			
Lake Pat Cleburne	38		19,040	75	-1,390	-5	-1,490	-6			
Whitney Lake	39	622,800	454,840	73	-19,470	-3	-137,950	-22			
Waco Lake	40		128,240	89	-8,100	-6	-16,260	-11			
Proctor Lake	41		27,900	50	-1,710	-3	-14,320	-26			
Belton Lake	42		363,430	84	-11,630	-3	-65,870	-15			
Stillhouse Hollow Lake	43		211,260	93	-4,510	-2	-13,980	-6			
Lake Georgetown	44		17,130	46	-1,140	-3	-12,690	-34			
Granger Lake	45	54,280	44,790	83	-990	-2	-9,490	-17			
Lake Limestone	46	215,750	182,880	85	-4,700	-2	-4,220	-2			
Lake Brownwood	47		98,440	69	-3,180	-2	-29,700	-21			
TOTAL		11,908,050	8,480,040	71	-219,730	-2	-1,912,000	-16			

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservation		Change since		Change since					
or Reservoir	on	Storage	Storage		Late August		Late September					
32 33323 332	Map	Capacity	Late Sept.		2006		2005					
	_	(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)				
EAST												
Wright Patman Lake	48	•	142,700	100	0	0	0	0				
Lake Cypress Springs	49	•	52,960	79	-1,360	-2	-7,300	-11				
Lake Bob Sandlin	50	-	126,800	63	-6,300	-3	-43,400	-21				
Lake O' the Pines	51	•	166,910	66	-12,510	-5	-32,770	-13				
Lake Fork Reservoir	52	-	550,700	87	-14,500	-2	-47,900	-8				
Toledo Bend Reservoir	53		2,862,000	64	-99,000	-2	-292,000	-7				
Lake Palestine	54	•	302,460	74	-14,630	-4	-56,910	-14				
Lake Tyler	55	•	47,000	64	-2,760	-4	-18,680	-25				
Sam Rayburn Reservoir	56	• • • • • •	2,380,020	83	-124,720	-4	-163,690	-6				
B. A. Steinhagen Lake	57		270*	0	90	0	-53,140	-56				
Cedar Creek Reservoir	58	-	460,700	72	-27,900	-4	-93,800	-15				
Lake Livingston	59		1,454,000	83	-3,000	0	16,000	1				
Lake Conroe	60		336,800	78	-4,800	-1	-30,800	-7				
TOTAL		12,044,350	8,883,320	74	-311,390	-3	-824,390	-7				
		TRAN	IS-PECOS									
Red Bluff Reservoir	61	307,000	90,330	29	2,950	1	-1,170	0				
TOTAL	-	307,000	90,330	29	2,950	1	-1,170	0				
		EDWARI	S PLATEAU									
E. V. Spence Reservoir	62	488,760	75,410	15	3,540	1	-24,370	-5				
Twin Buttes Reservoir	63	177,800	35,420	20	840	0	-8,820	-5				
O.C. Fisher Lake	64	119,200	8,690	7	-430	0	-6,690	-6				
O. H. Ivie Reservoir	65	554,340	201,000	36	-41,500	-7	-97,700	-18				
Lake Buchanan	66	896,980	534,700	60	-43,200	-5	-252,340	-28				
Amistad Reservoir (Texas)	67	1,771,030	1,869,000	106	18,000	1	-499,000	-28				
Amistad Reservoir	\					_						
(Texas and Mexico)	(67)	3,151,300	2,461,000	78	94,000	3	-307,000	-10				
TOTAL		4,008,110	2,724,220	68	-62,750	-2	-888,920	-22				
		SOUTH	I CENTRAL									
Somerville Lake	68	155,060	125,460	81	-500	0	-10,230	-7				
Lake Travis	69	1,144,100	633,820	55	-36,700	-3	-333,780	-29				
Canyon Lake	70	385,600	328,000	85	-4,060	-1	-41,290	-11				
Coleto Creek Reservoir	71	35,060	26,350	75	670	2	-1,560	-4				
Medina Lake	72	254,000	107,200	42	-4,700	-2	-115,700	-46				
TOTAL		1,973,820	1,220,830	62	-45,290	-2	-502,560	-25				
		IIDDI	TD GO3.GH									
Tales Waysham			ER COAST	100	•	_		_				
Lake Houston	73	•	128,860	100	0	0	60	0				
Lake Texana	74	-	156,560	99	11,210	7	23,660	15				
TOTAL		286,760	285,420	100	11,210	4	23,720	8				
		so	UTHERN									
Choke Canyon Reservoir	75		540,000	78	3,000	0	-104,000	-15				
Lake Corpus Christi	76		108,600	45	27,910	12	-61,200	-25				
Falcon Reservoir (Texas)	77		561,000	36	-33,000	-2	-300,000	-19				
Falcon Reservoir	.=-:			_		_						
(Texas and Mexico)	(77)	2,653,290	946,000	36	36,000	1	-416,000	-16				
TOTAL		2,491,620	1,209,600	49	-2,090	0	-465,200	-19				
STATE TOTAL		34,470,430	23,375,440	68	-631,090	-2	-4,818,040	-14				
* Due to lake's maintenance need												

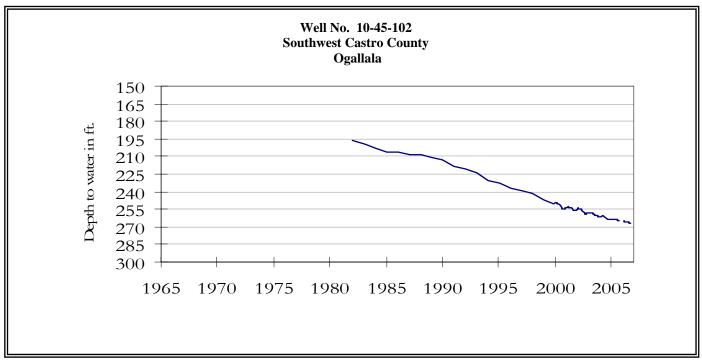
^{*} Due to lake's maintenance need.

Note:

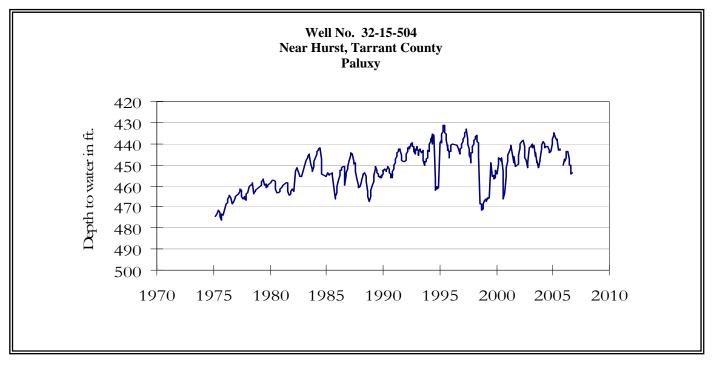
Conservation storage capacity is the space available to store water above the level of invert of lowest outlet works and below the level of top of conservation pool or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not included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

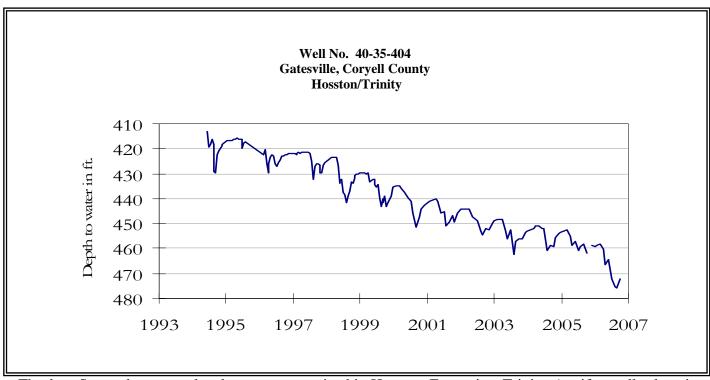
SEPTEMBER GROUND WATER LEVELS IN OBSERVATION WELLS



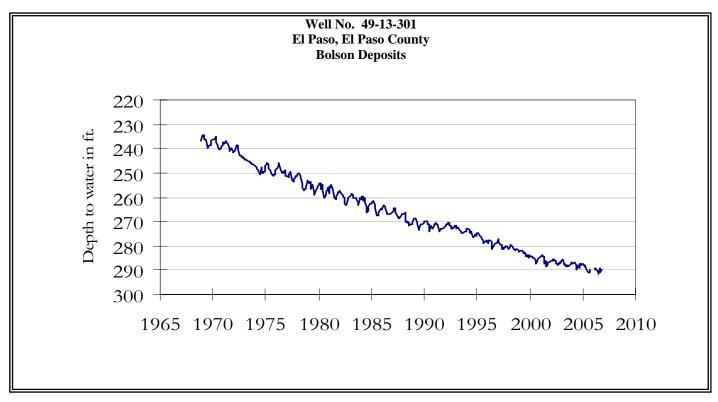
The late September water-level measurement in this Ogallala Aquifer well, elevation 3,816 feet above sea level, was 266.86 feet below land surface. This measurement was 0.13 feet below last month's measurement and 110.86 feet below the initial measurement recorded in 1968. No water level measurements were recorded for September through December 2005.



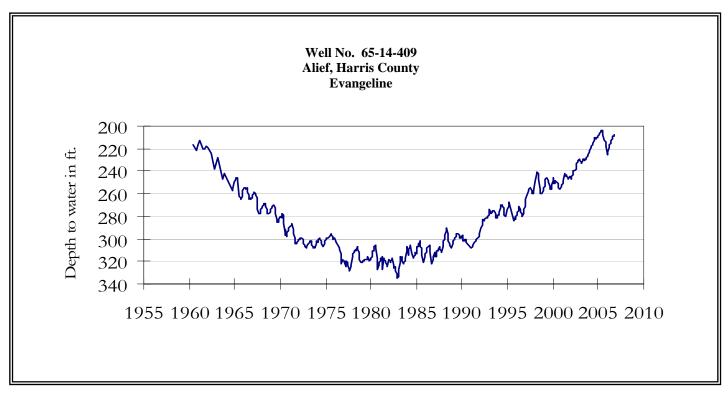
The late September water-level measurement in this Paluxy Formation Trinity Aquifer well, elevation 535 feet above sea level, was 453.74 feet below land surface. This measurement was 0.92 feet above last month's measurement and 75.74 feet below the initial measurement recorded in 1953. No water level measurements were recorded for September or October 2005.



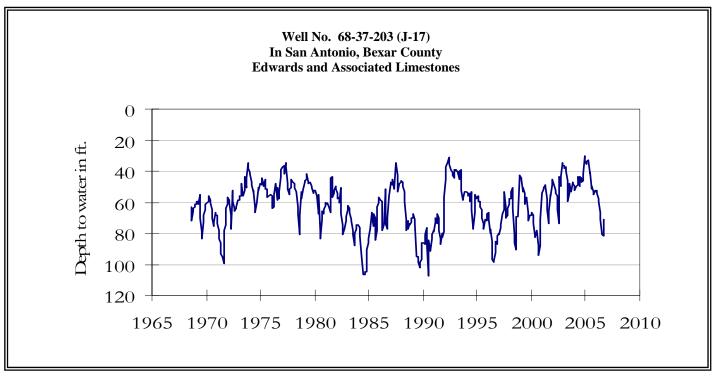
The late September water-level measurement in this Hosston Formation Trinity Aquifer well, elevation 823 feet above sea level, was 472.16 feet below land surface. This water level was 3.59 feet above last month's measurement, 10.11 feet below last year's measurement, and 180.16 feet below the initial measurement recorded in 1955. No water level measurement was recorded for October 2005.



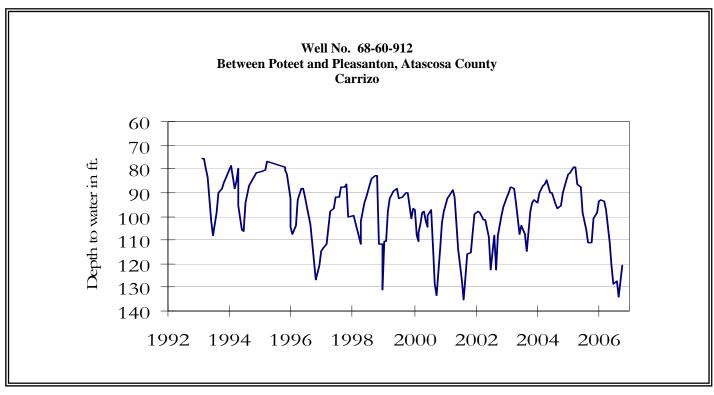
The late September water-level measurement in this Hueco Bolson Aquifer well, elevation 3,882 feet above sea level, was 289.77 feet below land surface. This was 1.16 feet above last month's measurement, identical to last year's measurement, and 57.87 feet below the initial measurement in 1964. No water level measurements were recorded for October or December 2005.



The late September water-level measurement in this Evangeline Formation Gulf Coast Aquifer well, elevation 66 feet above sea level, was 208.03 feet below land surface. This was 0.58 feet above last month's measurement, 6.07 feet above last year's measurement, and 72.53 feet below the initial measurement recorded in 1947.

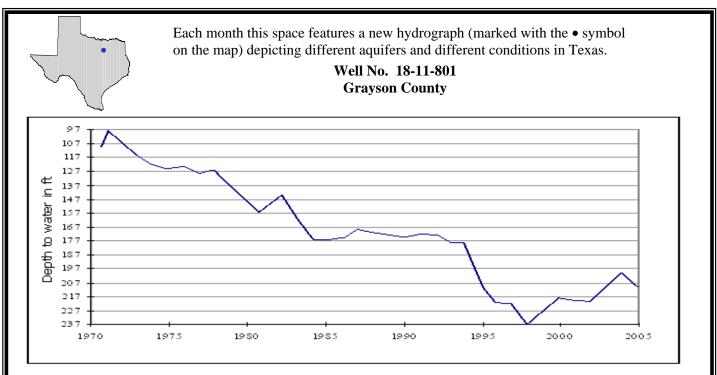


The late September water-level measurement in this Edwards (BFZ) Aquifer well, elevation 731 feet above sea level, was 71.32 feet below land surface. This was 10.33 feet above last month's measurement, 16.42 feet below last year's measurement, and 24.68 feet below the initial measurement recorded in 1962.



The late September water-level measurement in this Carrizo Aquifer well, elevation 446 feet above sea level, was 120.62 feet below land surface. This measurement was 13.65 feet above last month's measurement, 9.69 feet below last year's measurement, and 85.26 feet below the initial measurement recorded in 1965.

HYDROGRAPH OF THE MONTH



This water level observation well, located 5 miles west of Denison, at an elevation of 740 feet ASL, was completed in the Woodbine Aquifer. Since the 1970's, significant water-level declines have occurred within this aquifer due to heavy municipal and industrial pumpage.

September, 2006

Water level measurements were available for all seven key monitoring wells. Water levels rose in six of the monitoring wells since the beginning of September, ranging from 0.58 feet in the Harris Co. Evangeline well to 13.65 feet in the Atascosa Co. Carrizo well. Water levels declined 0.13 feet in the Castro Co. Ogallala well. The J-17 well recorded a water level of 71.32 ft. below land surface. This water level is 8.68 feet above the Stage 1 critical management level.

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