Texas Water Development Board





RESERVOIR STORAGE

February 2010

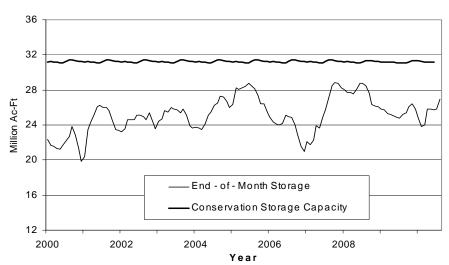
Total storage in the state's major reservoirs went up 4% compared to that in January. Near the end of the month, the 109 reservoirs monitored for this report held 26.9 million acre-feet in conservation storage*, or 87 percent of the conservation storage capacity of the state's major water supply reservoirs.

Storage was at 100% in 57 reservoirs, five more than last month, mainly in the Upper Coast, East, South Central and North Central Regions. There were six lakes at or below 10% full, same as last month: O C Fisher Lake and Palo Duro Reservoir were effectively empty, Lake Meredith (total) at 4%, Lake J. B. Thomas and E.V. Spence Reservoir were at 5%, and White River Lake was 10% full.

Three regions had combined storage above 90%: East and Upper Coast 100%, North Central 96%. The High Plains (6%) and Trans-Pecos regions (25%) remained very low. Storage increased in 8 regions and remained unchanged in 1 region over the month. Compared to last February, storage increased in 5 regions but decreased in 4 regions.

* Only the Texas share of storage in border reservoirs is counted.

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS



Figures are based on the end of the month data at 109 major reservoirs that represent 95 percent of the total conservation storage capacity of the 175 major water supply reservoirs in Texas. Reservoirs with a conservation storage capacity of 5,000 acre-feet or greater are included.

PO BOX 13231 • 1700 N. Congress Avenue • Austin, TX 78711-3231 Telephone (512) 463-7847 • Telefax (512) 475-2053 • 1-800-RELAYTX (for the hearing impaired)

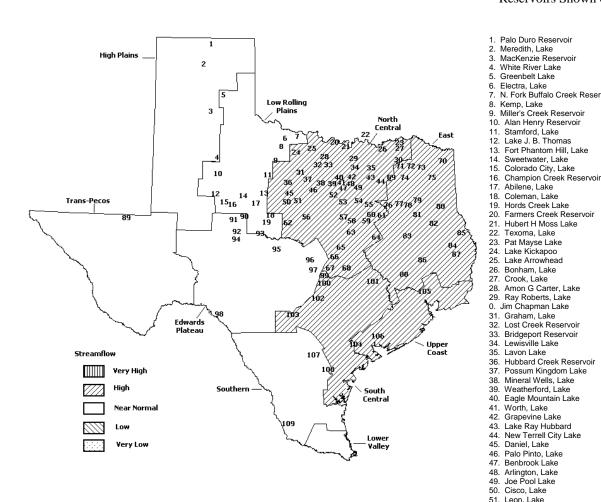
STREAMFLOW

Of 29 reporting index stations in February, computed 30-day mean flows were very high (<5% exceedance frequency) at 6 station, high (5% - 30%) at 14 stations, low (70% - 95%) at 1 stations, and near normal (30% - 70%) at the remaining 8 stations. Compared to January, flows have increased at 26 index stations and decreased at 3 stations.

On a regional basis, flows in February were high in the North Central, East, South Central, and Upper Coast regions, and near normal everywhere else. Streamflow in the Lower Valley Region is not monitored.

FEBRUARY STREAMFLOW CONDITIONS

Reservoirs Shown on Map



- 56. Proctor Lake Whitney Lake N. Fork Buffalo Creek Reservoir 62. 85.
 - Aquilla Lake
 - 59 Navarro Mills Lake 60. Halbert, Lake Richland-Chambers Reservoir Lake Brownwood Waco Lake 64 Limestone Lake 65. Belton Lake Stillhouse Hollow Lake Georgetown, Lake Granger Lake Tawakoni Lake 70. Wright Patman Lake Sulphur Springs, Lake Cypress Springs, Lake 73. Bob Sandlin, Lake 74. Fork Reservoir, Lake 75. O' the Pines, Lake Cedar Creek Reservoir Trinity Athens, Lake 78. Palestine, Lake Canyon Lake 103 Medina Lake
 - Tyler, Lake 80. Murvaul, Lake Jacksonville, Lake Nacogdoches, Lake 83. Houston County Lake Sam Rayburn Reservoir Toledo Bend Reservoir 86. Livingston, Lake 87. B. A. Steinhagen Lake 88. Conroe, Lake Red Bluff Reservoir 90 Oak Creek Reservoir 91. E. V. Spence Reservoir O. C. Fisher Lake 93. O. H. Ivie Reservoir Twin Buttes Reservoir 95. Brady Creek Reservoir 96. Buchanan, Lake Lyndon B Johnson, Lake 98 Amistad Reservoir Intl. Travis, Lake 100. Austin, Lake 101. Somerville Lake

104. Coleto Creek Reservoir

Choke Canyon Reservoir

105. Lake Houston

Texana, Lake

108. Lake Corpus Christi 109. Falcon Reservoir, Intl.

106.

Lake Granbury

Pat Cleburne, Lake

Waxahacie, Lake 55. Bardwell Lake

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No. Conservation		Conservation		Change since		Change since	
or Reservoir	on Storage		Storage		Late Janua	ry	Late February	
	Map	Capacity	Late Feb.	2010	2010		2009	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
		HIGH PL	AINS					
Palo Duro Reservoir	1	60,897	282	0	0	0	-612	-1
Meredith, Lake (Texas)	2	500,000	30,730	6	3,960	1	-30,418	-6
Meredith, Lake (Texas & Oklahoma)	(2)	779,556	30,730	4	3,960	1	-30,418	-4
MacKenzie Reservoir	3	46,429	5,701	12	-7	0	3	0
White River Lake	4	29,880	2,937	10	116	0	-3,604	-12
TOTAL		637,206	39,650	6	4,069	1	-34,631	-5
		LOW ROLLING	F PLAINS					
Greenbelt Lake	5	59,500	15,750	26	420	1	-2,609	-4
*Electra, Lake	6	5,626	656	12	49	1	-226	-4
N. Fork Buffalo Crk Reservoir	7	15,400	5,922	38	403	3	2,039	13
Kemp, Lake	8	245,308	189,169	77	14,617	6	28,685	12
Millers Creek Reservoir	9	27,888	14,670	53	1,126	4	-906	-3
Alan Henry Reservoir	10	94,808	85,008	90	-1,842	-2	-7,355	-8
Stamford, Lake	11	51,570	42,625	83	4,356	8	8,422	16
J B Thomas, Lake	12	199,931	10,071	5	913	0	-5,592	- 3
Fort Phantom Hill, Lake	13	70,030	52,906	76	2,820	4	-7,679	-11
Sweetwater, Lake	14	10,006	6,025	60	69	1	-1,336	-13
Colorado City, Lake	15	31,793	17,698	56	221	1	-3,732	-12
Champion Creek Reservoir	16	41,618	7,798	19	125	0	-1,076	-3
Abilene, Lake	17	6,099	3,174	52	1,199	20	-285	-5
Coleman, Lake	18	38,076	23,925	63	1,048	3	-3,454	-9
Hords Creek Lake	19	5,684	1,429	25	50	1	-1,233	-22
TOTAL		903,337	476,826	53	25,574	3	3,663	0
		NORTH CE	NTTD A T					
Nocona, Lake (Farmers Crk)	20	NORTH CE 21,445	21,445	100	1,188	6	4,839	23
Hubert H Moss Lake	21	24,058	24,058	100	0	0	3,219	13
Texoma, Lake (Texas)	22	1,185,688	1,185,688	100	-24,021	-2	3,219	0
Texoma, Lake (Texas & Oklahoma)	(22)	2,371,376	2,371,376	100	-48,042	-2	0	0
*Pat Mayse Lake	23	118,100	118,100	100	-40,042	0	12,930	11
Kickapoo, Lake	24	85,825	56,692	66	5,221	6	18,589	22
Arrowhead, Lake	25	235,997	165,500	70	8,189	3	11,965	5
Bonham, Lake	26	11,026	11,026	100	0,103	0	3,219	29
Crook, Lake	27	9,195	9,195	100	0	0	496	5
Amon G Carter, Lake	28	19,903	19,903	100	0	0	4,063	20
Ray Roberts, Lake	29	798,758	798,758	100	0	0	81,543	10
Jim Chapman Lake (Cooper)	30	260,332	260,332	100	0	0	108,501	42
Graham, Lake	31	45,260	42,487	94	3,951	9	2,776	6
*Lost Creek Reservoir	32	11,950	11,950	100	0	0	1,731	14
Bridgeport, Lake	33	366,236	331,901	91	51,262	14	64,490	18
Lewisville Lake	34	543,988	543,988	100	0	0	119,800	22
Lavon Lake	35	443,844	443,844	100	0	0	85,190	19
Hubbard Creek Reservoir	36			68		1		
Possum Kingdom Lake	37	318,067	215,862	96	3,358	9	-36,394	-11
_		540,340	519,821	100	51,246 0	0	28,564	5
*Mineral Wells, Lake	38	7,065	7,065				2,000	28
Weatherford, Lake Eagle Mountain Lake	39 40	18,645 182,500	18,633 182,500	100 100	1,278 255	7 0	6,922 38,099	37 21
Worth, Lake	41	24,500		100			7,454	30
			24,500 164 702		3,166	13		
Grapevine Lake	42	164,702	164,702	100	0	0	48,432	29
Ray Hubbard, Lake	43	452,040	452,040	100	0	0	43,358	10
New Terrell City Lake	44	8,583	8,583	100	0	0	1,339	16 -21
Daniel, Lake	45	9,435	4,363	46	95	1	-1,969	-21
Palo Pinto, Lake	46	27,150	27,150	100	5,083	19	13,518	50
Benbrook Lake	47	85,648	85,648	100	0	0	22,905	27
Arlington, Lake	48	38,740	38,645	100	-95	0	12,890	33

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

			1		1		1		
Name of Lake	No.	Conservation	Conservation		Change since		Change since		
or Reservoir	on	Storage	-		Late January		Late February		
	Map	Capacity	Late Feb.	2010	2010		2009		
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)	
		H CENTRAL (C							
Joe Pool Lake	49	142,861	142,861	100	0	0	18,860	13	
*Cisco, Lake	50	26,000	16,740	64	58	0	-2,131	-8	
Leon, Lake	51	26,421	18,608	70	670	3	-1,855	-7	
Granbury, Lake	52	128,046	125,025	98	1,057	1	10,232	8	
Pat Cleburne, Lake	53	25,730	25,730	100	0	0	6,556	25	
Waxahachie, Lake	54	10,779	10,779	100	0	0	1,477	14	
Bardwell Lake	55	46,122	46,122	100	0	0	10,631	23	
Proctor Lake	56	55,457	42,528	77	7,837	14	7,408	13	
Whitney, Lake	57	553,349	519,689	94	-13,277	-2	154,928	28	
Aquilla Lake	58	45,092	45,092	100	0	0	12,049	27	
Navarro Mills Lake	59	55,817	55,817	100	0	0	15,562	28	
*Halbert, Lake	60	6,033	5,390	89	-569	-9	2,221	37	
Richland-Chambers Reservoir	61	1,103,816	1,103,816	100	0	0	204,751	19	
*Brownwood, Lake	62	131,429	93,510	71	3,101	2	-7,068	-5	
Waco, Lake	62	198,943	198,943	100	0	0	25,541	13	
Limestone, Lake	64	208,015	207,771	100	-244	0	33,280	16	
Belton Lake	65	435,225	435,225	100	0	0	37,617	9	
Stillhouse Hollow Lake	66	227,771	227,771	100	0	0	34,015	15	
Georgetown, Lake	67	36,823	36,823	100	0	0	18,965	52	
Granger Lake	68	52,525	48,941	93	-3,584	-7	9,726	19	
Tawakoni, Lake	69	888,126	888,126	100	0	0	177,174	20	
TOTAL		10,463,400	10,089,686	96	105,225	1	1,480,408	14	
		EAS!	r						
Wright Patman Lake	70	122,593	122,593	100	0	0	0	0	
*Sulphur Springs, Lake	71	17,838	17,838	100	0	0	2,893	16	
Cypress Springs, Lake	72	67,689	67,689	100	0	0	276	0	
Bob Sandlin, Lake	73	200,579	200,579	100	0	0	0	0	
Fork Reservoir, Lake	74	604,927	604,927	100	0	0	22,175	4	
O the Pines, Lake	75	238,933	238,933	100	0	0	0	0	
Cedar Creek Reservoir in Trinity	76	644,686	644,686	100	0	0	83,272	13	
Athens, Lake	77	29,435	29,435	100	0	0	592	2	
Palestine, Lake	78	370,907	370,907	100	0	0	0	0	
Tyler, Lake	79	73,256	73,256	100	0	0	0	0	
Murvaul, Lake	80	38,284	38,284	100	0	0	0	0	
Jacksonville, Lake	81	30,300	30,300	100	0	0	68	0	
Nacogdoches, Lake	82	39,521	39,521	100	0	0	4,083	10	
Houston County Lake	83	17,113	17,113	100	0	0	0	0	
Sam Rayburn Reservoir	84	2,857,077	2,857,077	100	222,757	8	631,476	22	
Toledo Bend Reservoir (Texas)	85	2,236,450	2,210,462	99	275,188	12	225,434	10	
Toledo Bend Reservoir (TX & LA)	(85)	4,472,900	4,420,925	99	550,376	12	450,869	10	
*Livingston, Lake	86	1,741,867	1,741,867	100	0	0	0	0	
B A Steinhagen Lake	87	66,966	51,118	76	-1,224	-2	-2,447	-4	
Conroe, Lake	88	416,188	416,188	100	0	0	22,652	5	
TOTAL		9,814,609	9,772,773	100	496,721	5	990,474	10	
		TRANS-P	ECOS						
Red Bluff Reservoir	89	289,670	72,887	25	3,046	1	-7,090	-2	
TOTAL		289,670	72,887	25	3,046	1	-7,090	-2	

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

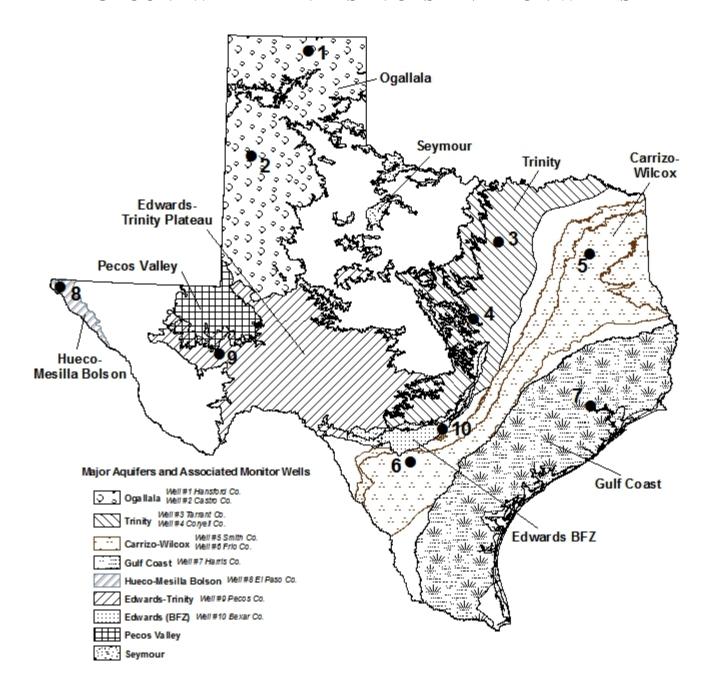
Name of Lake or Reservoir	No. on Map	Conservation Storage	Conservati Storage		Change sin		Change sin	
or Reservoir		Storage	Storage		ביימבד. ם+ב.ד			
	Map		Storage		Late January		Late February	
		Capacity	Late Feb.	2010	2010		2009	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
		EDWARDS P	LATEAU					
Oak Creek Reservoir	90	39,260	23,948	61	399	1	-5,550	-14
E V Spence Reservoir	91	517,272	24,554	5	478	0	-25,694	-5
O C Fisher Lake	92	79,483	0	0	0	0	0	0
*O H Ivie Reservoir	93	554,335	241,317	44	6,343	1	-57,137	-10
Twin Buttes Reservoir	94	177,850	33,576	19	3,078	2	-11,833	-7
Brady Creek Reservoir	95	29,110	16,863	58	1,361	5	3,052	10
Buchanan, Lake	96	875,610	592,098	68	96,526	11	19,455	2
Lyndon B Johnson, Lake	97	113,690	111,954	98	-321	0	-900	-1
*Amistad Reservoir (Texas)	98	1,840,849	1,735,000	94	3,000	0	-160,000	-9
*Amistad Reservoir (TX & Mexico)	(98)	3,275,532	3,167,000	97	10,000	0	-108,532	-3
TOTAL		4,227,459	2,779,310	66	110,864	3	-238,607	-6
		SOUTH CE	NTRAL					
Travis, Lake	99	1,113,902	1,040,633	93	231,820	21	354,977	32
*Austin, Lake	100	21,804	21,062	97	-61	0	90	0
Somerville Lake	101	147,104	147,104	100	0	0	33,386	23
Canyon Lake	102	378,781	378,781	100	53,964	14	88,308	23
Medina Lake	103	254,823	95,356	37	28,061	11	-35,457	-14
*Coleto Creek Reservoir	104	31,040	31,040	100	0	0	7,689	25
TOTAL		1,947,454	1,713,976	88	313,784	16	448,993	23
		UPPER C	OAST					
Houston, Lake	105	128,863	128,863	100	0	0	0	0
Texana, Lake	106	153,246	153,246	100	0	0	52,146	34
TOTAL		282,109	282,109	100	0	0	52,146	18
		SOUTHE	ERN					
Choke Canyon Reservoir	107	695,262	490,158	70	7,529	1	-62,516	-9
Corpus Christi, Lake	108	256,961	159,786	62	40,107	16	-2,059	-1
*Falcon Reservoir (Texas)	109	1,551,034	1,039,000	67	23,000	1	-524,000	-34
*Falcon Reservoir (TX & Mexico)	(109)	2,646,817	1,769,000	67	32,000	1	-877,817	-33
TOTAL	•	2,503,257	1,688,944	67	70,636	3	-588,575	-24
STATE TOTAL		31,068,501	26,916,161	87	1,129,919	4	2,106,781	7

^{*} Conservation volume is used as conservation storage capacity because the dead storage is unknown.

Note

Conservation storage capacity is the space available to store water above the lowest outlet and below the 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 the dead storage. Conservation storage percentage is based on the conservation storage capacity of the reservoir and the conservation storage in the reservoir on date shown. Percent change is given by 100*(current conservation storage - past conservation storage)/conservation storage capacity. Figures shown are for the Texas share of conservation storage in all reservoirs.

GROUNDWATER LEVELS IN OBSERVATION WELLS

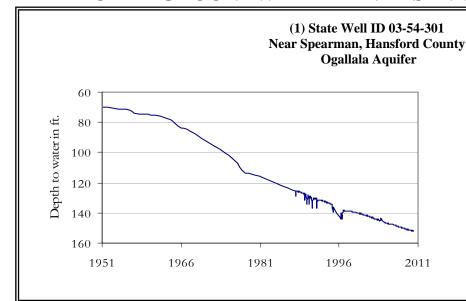


February, 2010

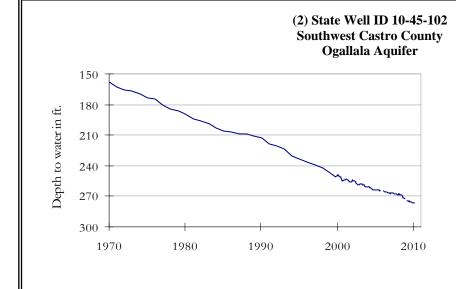
Water level measurements were available for nine out of the ten key monitoring wells. Water levels rose in seven of the nine monitoring wells since the beginning of February, ranging from 0.11 feet in the Hansford County Ogallala well to 9.24 feet in the Frio County Carrizo-Wilcox well. Water levels declined in the remaining monitoring wells, ranging from 0.14 feet in the Castro County Ogallala well to 0.87 feet in the El Paso County Hueco-Mesilla well. The J-17 well in San Antonio recorded a water level of 49.12 feet below land surface, 6.65 feet above last month's measurement. This water level is 21.88 feet above the Stage 1 critical management level.

Note: In the following graphs, "ID" is used to differentiate between the monitoring well number (1 - 10) as displayed on the aquifer map and the TWDB's six- or seven-digit state well "identification" number.

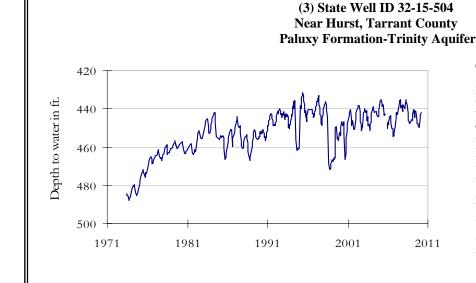
FEBRUARY GROUNDWATER LEVELS IN OBSERVATION WELLS



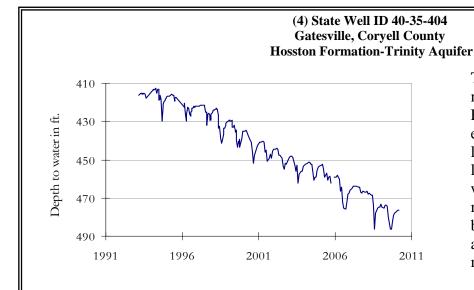
The late February water level measurement in this Ogallala Aquifer well, elevation 2,962 feet above sea level, was 151.76 feet below land surface. This measurement was 0.11 feet above last month's measurement, 0.47 feet below last year's measurement, and 81.64 feet below the initial measurement recorded in 1951.



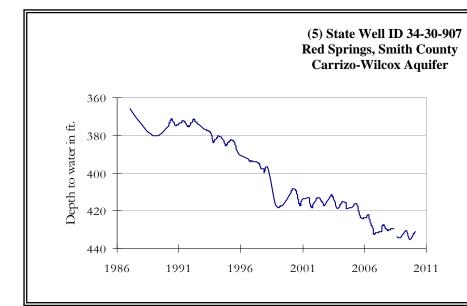
The late February water level measurement in this Ogallala Aquifer well, elevation 3,816 feet above sea level, was 276.63 feet below land surface. This measurement was 0.14 feet below last month's measurement, 1.91 feet below last year's measurement, and 120.63 feet below the initial measurement recorded in 1968.



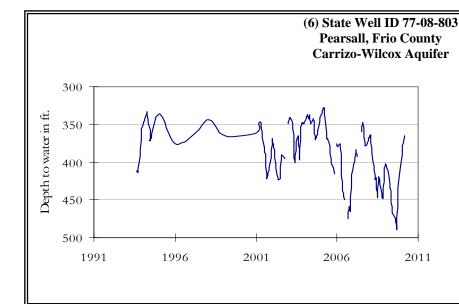
The late February water level measurement in this Paluxy Formation Trinity Aquifer well, elevation 535 feet above sea level, was 441.93 feet below land surface. This measurement was 1.29 feet above last month's measurement, 0.73 feet above last year's measurement, and 63.93 feet below the initial measurement recorded in 1955.



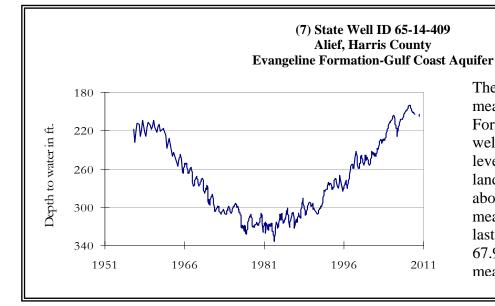
The late February water level measurement in this Hosston Formation Trinity Aquifer well, elevation 823 feet above sea level, was 476.29 feet below land surface. This water level was 0.17 feet above last month's measurement, 1.05 feet below last year's measurement, and 184.29 feet below the initial measurement recorded in 1955.



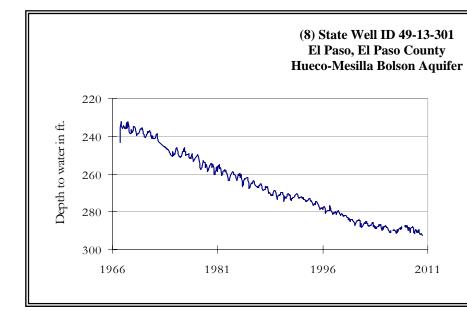
The late February water level measurement in this Carrizo-Wilcox Aquifer well, elevation 555 feet above sea level, was 430.88 feet below land surface. This water level was 0.94 feet above last month's measurement, 1.12 feet above last year's measurement, and 64.88 feet below the initial measurement recorded in 1987.



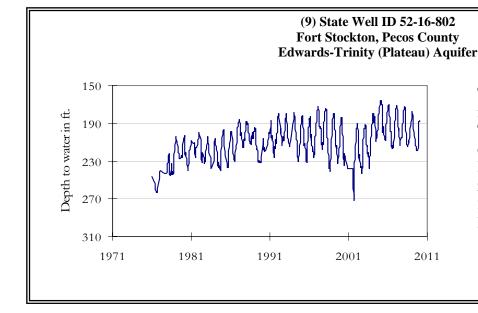
The late February water level measurement in this Carrizo-Wilcox Aquifer well, elevation 652 feet above sea level, was 365.20 feet below land surface. This was 9.24 feet above last month's measurement, 51.52 feet above last year's measurement, and 85.20 feet below the initial measurement recorded in 1963.



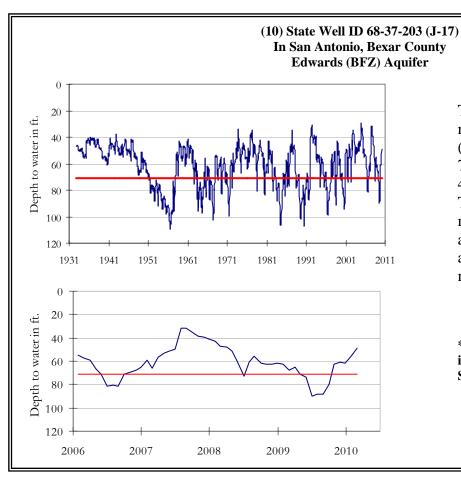
The late February water level measurement in this Evangeline Formation Gulf Coast Aquifer well, elevation 66 feet above sea level, was 203.45 feet below land surface. This was 1.34 feet above last month's measurement, 1.76 feet below last year's measurement, and 67.95 feet below the initial measurement recorded in 1947.



The late February water level measurement in this Hueco-Mesilla Bolson Aquifer well, elevation 3,882 feet above sea level, was 292.32 feet below land surface. This water level was 0.87 feet below last month's measurement, 1.80 feet below last year's measurement, and 60.42 feet below the initial measurement recorded in 1964.



The late February water level measurement in this Edwards-Trinity Plateau Aquifer well, elevation 3,199 feet above sea level was not available. The last reading available, in January 2010, was 187.04 feet below land surface.



The late February water level measurement in this Edwards (BFZ) Aquifer well, elevation 731 feet above sea level, was 49.12 feet below land surface. This was 6.65 feet above last month's measurement, 18.22 feet above last year's measurement, and 2.48 feet below the initial measurement recorded in 1932.

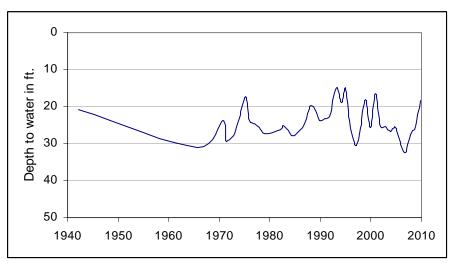
*** Water levels below the red line indicate Edwards Aquifer Authority Stage 1 drought restrictions. ***

HYDROGRAPH OF THE MONTH



Each month this space features a new hydrograph (marked with the • symbol on the map) depicting different aquifers and different conditions in Texas.

State Well ID 34-13-802 Wood County



This water level observation well, located 1 mile southeast of Quitman, at an elevation of 435 feet above sea level, was completed in the Queen City Aquifer. Water levels have remained fairly stable over the northern portion of the aquifer. The aquifer is mainly used for municipal and industrial supply in northeast Texas.

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