Texas Water Development Board





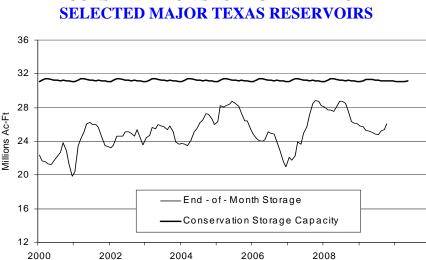
RESERVOIR STORAGE April 2009

Storage in the state's major reservoirs continues to increase slowly. Near the end of April, the 109 reservoirs monitored for this report held 26.06 million acre-feet* in conservation storage, or 84 percent of the conservation storage capacity of the state's 175 major water supply reservoirs. This is 709,000 acre-feet more than last month.

Storage was at 100% in 27 reservoirs, including Falcon and Amistad. Sixteen out of these 27 reservoirs are in the East Region. On the other hand, five lakes were at or below 10% full: O C Fisher Lake was still effectively empty, Palo Duro (1%) was almost empty, Lake Meredith and J B Thomas were both at 7%, and E.V. Spence is only 9% full.

Only the East Region (98%) has storage at or above 90% of capacity; the High Plains (11%) and Trans-Pecos regions (26%) remained very low. Storage increased in the North Central, East, South Central, and Upper Coast regions but decreased everywhere else over the month. Since last year, storage increased in the Southern and High Plains regions, and decreased everywhere else.

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



Figures are based on 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. By definition, a major reservoir has a conservation storage capacity of 5,000 acre-feet or greater.

Year

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)

CONSERVATION STORAGE DATA FOR

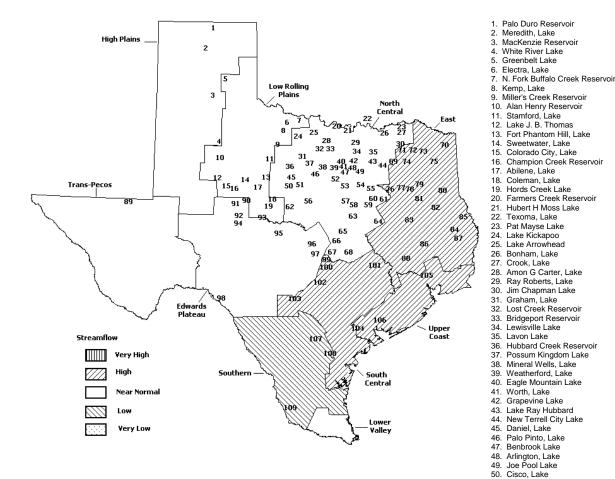
STREAMFLOW

Of 29 reporting index stations in April, computed 30-day mean flows were very high (<5%) at 3 stations, high (5% - 30%) at 10 stations, low (70% - 95%) at 4 stations, very low (>95%) at 1 station, and near normal (30% - 70%) at the remaining 11 stations. Compared to March, flows have increased at 17 index stations and decreased at 10 stations.

On a regional basis, flows in April were low in the Southern Region, high in East Texas, South Central, and Upper Coast regions, and normal in all other regions. Streamflow in the Lower Valley Region is not monitored.

APRIL STREAMFLOW CONDITIONS

Reservoirs Shown on Map



56. Proctor Lake Whitney Lake 57. Aquilla Lake 58. 59 Navarro Mills Lake 60. Halbert, Lake **Richland-Chambers Reservoir** 61. 62. Lake Brownwood 63. Waco Lake 64 Limestone Lake 65. Belton Lake Stillhouse Hollow Lake 66. 67. Georgetown, Lake 68. Granger Lake 69 Tawakoni Lake 70. Wright Patman Lake Sulphur Springs, Lake 71. 72. Cypress Springs, Lake 73. Bob Sandlin, Lake 74. Fork Reservoir, Lake 75. O' the Pines, Lake 76. Cedar Creek Reservoir Trinity 77. Athens, Lake 78. Palestine, Lake Tyler, Lake 70 80. Murvaul, Lake Jacksonville, Lake 81. 82 Nacogdoches, Lake 83. Houston County Lake Sam Rayburn Reservoir 84. 85. Toledo Bend Reservoir 86. Livingston, Lake 87. B. A. Steinhagen Lake 88. Conroe, Lake Red Bluff Reservoir 89. 90 Oak Creek Reservoir 91. E. V. Spence Reservoir O. C. Fisher Lake 92. 93. O. H. Ivie Reservoir Twin Buttes Reservoir 95 Vrady Creek Reservoir 96. Buchanan, Lake 97. Lyndon B Johnson, Lake 98 Amistad Reservoir Intl 99. Travis, Lake 100. Austin, Lake 101. Somerville Lake Canyon Lake 102. 103 Medina Lake 104. Coleto Creek Reservoir 105. Lake Houston 106. Texana, Lake Choke Canyon Reservoir 107. 108. Lake Corpus Christi 109. Falcon Reservoir, Intl.

51.

52

53

54.

Leon, Lake

55. Bardwell Lake

Lake Granbury

Pat Cleburne, Lake

Waxahacie, Lake

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS									
Name of Lake	No.	Conservation	Conservation		Change sin	ce	Change since		
or Reservoir	on	Storage	Storage	Storage		h	Late April		
	Map	Capacity	Late Apr.	2009	2009		2008		
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)	
		HIGH PL	AINS						
Palo Duro Reservoir	1	60,897	747	1	-27	0	254	0	
Meredith, Lake (Texas)	2	500,000	56,448	11	-1,692	0	16,092	3	
Meredith, Lake (Texas & Oklahoma)	(2)	779 , 556	56,448	7	-1,692	0	16,092	2	
MacKenzie Reservoir	3	46,429	5,884	13	295	1	-1,155	-2	
White River Lake	4	29,880	5,824	19	-361	-1	5,316	18	
TOTAL		637,206	68,903	11	-1,785	0	20,507	3	
		LOW ROLLING	B PLAINS						
Greenbelt Lake	5	59,500	18,350	31	-100	0	-3,250	-5	
*Electra, Lake	6	5,626	786	14	-22	0	-947	-17	
N. Fork Buffalo Crk Reservoir	7	15,400	4,009	26	338	2	-491	- 3	
Kemp, Lake	8	245,308	146,259	60	-6,672	-3	-99,049	-40	
Millers Creek Reservoir	9	27,888	14,725	53	-439	-2	-6,783	-24	
Alan Henry Reservoir	10	94,808	91,833	97	289	0	1,339	1	
Stamford, Lake	11	51,570	32,345	63	-620	-1	-13,762	-27	
J B Thomas, Lake	12	199,931	14,211	7	-642	0	-6,848	-3	
Fort Phantom Hill, Lake	13	70,030	57,139	82	-2,167	-3	-10,541	-15	
Sweetwater, Lake	14	10,006	7,036	70	-234	-2	-640	-6	
Colorado City, Lake	15	31,793	20,942	66	-398	-1	-4,865	-15	
Champion Creek Reservoir	16	41,618	8,891	21	-22	0	-398	-1	
Abilene, Lake	17	6,099	2,913	48	-333	-5	-2,943	-48	
Coleman, Lake	18	38,076	26,539	70	-559	-1	-8,541	-22	
Hords Creek Lake TOTAL	19	5,684	2,429	43	-147	-3	-2,102	-37	
IUIAL		903,337	448,407	50	-11,728	-1	-159,821	-18	
		NORTH CE	ΝΨΡΔΙ.						
Nocona, Lake (Farmers Crk)	20	21,445	21,445	100	5,136	24	941	4	
Hubert H Moss Lake	20	24,058	24,058	100	3,090	13	182	1	
Texoma, Lake (Texas)	22	1,185,688	1,185,688	100	0	0	0	0	
Texoma, Lake (Texas & Oklahoma)	(22)	2,371,376	2,371,376	100	0	0	0	0	
*Pat Mayse Lake	23	118,100	118,100	100	3,790	3	0	0	
Kickapoo, Lake	24	85,825	37,348	44	205	0	-18,596	-22	
Arrowhead, Lake	25	235,997	157,544	67	8,930	4	-45,925	-19	
Bonham, Lake	26	11,026	10,398	94	2,454	22	-628	-6	
Crook, Lake	27	9,195	9,195	100	145	2	104	1	
Amon G Carter, Lake	28	19,903	15,463	78	-94	0	-4,440	-22	
Ray Roberts, Lake	29	798 , 758	750,154	94	37,791	5	-48,604	-6	
Jim Chapman Lake (Cooper)	30	260,332	177,635	68	13,971	5	-82,697	-32	
Graham, Lake	31	45,260	39,941	88	967	2	-5,245	-12	
*Lost Creek Reservoir	32	11,950	10,139	85	0	0	-1,811	-15	
Bridgeport, Lake	33	366,236	313,670	86	51,214	14	-52,566	-14	
Lewisville Lake	34	543,988	440,268	81	5,644	1	-103,720	-19	
Lavon Lake	35	443,844	386,717	87	11,837	3	-57,127	-13	
Hubbard Creek Reservoir	36	318,067	242,738	76	-6,202	-2	-69,052	-22	
Possum Kingdom Lake	37	540,340	475,620	88	-9,691	-2	-45,821	-8	
*Mineral Wells, Lake	38	7,065	4,972	70	-102	-1	-2,093	-30	
Weatherford, Lake	39	18,645	12,450	67	321	2	-6,125	-33	
Eagle Mountain Lake	40	182,500	143,180	78	-1,373	-1	-39,320	-22	
Worth, Lake	41	24,500	16,891	69 71	62	0	-7,609	-31	
Grapevine Lake	42	164,702	117,302	71	-438	0	-47,400	-29	
Ray Hubbard, Lake	43 44	452,040	428,600	95 90	410	0 1	-23,440 -822	-5 -10	
New Terrell City Lake Daniel, Lake	44 45	8,583 9,435	7,761 5,787	90 61	66 -304	-3	-822 -3,648	-10 -39	
Palo Pinto, Lake	45 46	9,435 27,150	5,787 12,114	45	-304	-3 -3	-14,392	-53	
Benbrook Lake	40 47	85,648	70,807	83	2,630	-3	-14,841	-17	
Arlington, Lake	48	38,740	37,392	97	4,830	12	-1,348	-3	
		, 0			_,		_,•••	-	

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservation		Change since		Change since	
or Reservoir	on	Storage Storage		Late Marc	h	Late April		
	Map	Capacity	Late Apr. 2009		2009		2008	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
	NORT	H CENTRAL (C	Continue)					
Joe Pool Lake	49	142,861	137,990	97	6,758	5	-4,871	- 3
*Cisco, Lake	50	26,000	18,441	71	-301	-1	-3,004	-12
Leon, Lake	51	26,421	19,828	75	-457	-2	-6,593	-25
Granbury, Lake	52	128,046	115,890	91	-2,704	-2	-7,927	-6
Pat Cleburne, Lake	53	25,730	21,182	82	819	3	-4,548	-18
Waxahachie, Lake	54	10,779	10,645	99	697	6	-134	-1
Bardwell Lake	55	46,122	41,642	90	1,831	4	-4,480	-10
Proctor Lake	56	55,457	33,900	61	-1,022	-2	-21,557	-39
Whitney, Lake	57	553,349	373,173	67	7,301	1	-180,176	-33
Aquilla Lake	58	45,092	45,092	100	2,199	5	0	0
Navarro Mills Lake	59	55,817	55,817	100	734	1	0	0
*Halbert, Lake	60	6,033	4,135	69	747	12	-1,365	-23
Richland-Chambers Reservoir	61	1,103,816	986,552	89	61,772	6	-117,264	-11
*Brownwood, Lake	62	131,429	97,787	74	-1,563	-1	-26,523	-20
Waco, Lake	62	198,943	198,943	100	6,252	3	0	0
Limestone, Lake	64	208,015	208,015	100	22,180	11	366	0
Belton Lake	65	435,225	428,119	98	18,778	4	-7,106	-2
Stillhouse Hollow Lake	66	227,771	216,945	95	21,959	10	-10,826	-5
Georgetown, Lake	67	36,823	19,257	52	841	2	-10,631	-29
Granger Lake	68	52,525	42,638	81	2,715	5	-9,887	-19
Tawakoni, Lake	69	888,126	744,436	84	9,080	1	-143,690	-16
TOTAL		10,463,400	9,093,804	87	293,090	3	-1,256,259	-12
		EAS	Г					
Wright Patman Lake	70	307,973	251,916	82	129,323	42	-56,057	-18
*Sulphur Springs, Lake	71	17,838	17,838	100	0	0	0	0
Cypress Springs, Lake	72	67,689	67 , 689	100	0	0	0	0
Bob Sandlin, Lake	73	200,579	200,579	100	0	0	0	0
Fork Reservoir, Lake	74	604,927	604,927	100	3,696	1	4,488	1
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	29,578	5	2,572	0
Athens, Lake	77	29,435	29,435	100	0	0	0	0
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	35	0
Jacksonville, Lake	81	30,300	30,300	100	0	0	0	0
Nacogdoches, Lake	82	39,521	39,521	100	0	0	1,154	3
Houston County Lake	83	17,113	17,113	100	0	0	0	0
Sam Rayburn Reservoir	84	2,857,077	2,717,787	95	294,355	10	-44,417	-2
Toledo Bend Reservoir (Texas)	85	2,236,450	2,228,384	100	67,209	3	19,714	1
Toledo Bend Reservoir (TX & LA)	(85)	4,472,900	4,456,769	100	134,418	3	39,429	1
*Livingston, Lake	86	1,741,867	1,741,867	100	0	0	0	0
B A Steinhagen Lake	87	66,966	62,429	93	10,524	16	1,915	3
Conroe, Lake	88	416,188	416,188	100	15,006	4	3,508	1
TOTAL		9,999,989	9,792,039	98	549,691	5	-67,088	-1
			FCOS					
Dod Bluff Degenvoir		TRANS-P		26	2 200	-	04 001	
Red Bluff Reservoir	89	289,670	75,014	26	-3,309	-1 _1	-24,221	-8
TOTAL		289,670	75,014	26	-3,309	-1	-24,221	-8

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

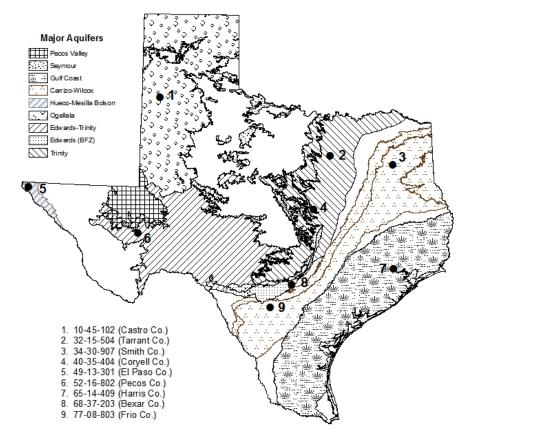
Name of Lake	No.	Conservation	Conservati	on	Change since		Change since		
or Reservoir	on	Storage	Storage		Late March		Late April		
	Мар	Capacity	Late Apr.	2009	2009		2008		
	-	(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)	
	•	EDWARDS P	LATEAU						
Oak Creek Reservoir	90	39,260	28,201	72	-798	-2	-9,364	-24	
E V Spence Reservoir	91	517,272	45,247	9	-2,673	-1	-23,550	-5	
0 C Fisher Lake	92	79,483	0	0	0	0	0	0	
*O H Ivie Reservoir	93	554,335	287,156	52	-6,022	-1	-90,711	-16	
Twin Buttes Reservoir	94	177,850	44,953	25	-228	0	-28,421	-16	
Brady Creek Reservoir	95	29,110	16,105	55	2,270	8	-1,470	-5	
Buchanan, Lake	96	824,519	572,299	69	7,746	1	-252,220	-31	
Lyndon B Johnson, Lake	97	113,690	111,761	98	1,028	1	0	0	
*Amistad Reservoir (Texas)	98	1,840,849	1,845,000	100	-37,000	-2	-401,000	-22	
*Amistad Reservoir (TX & Mexico)	(98)	3,275,532	3,275,532	100	0	0	706,532	22	
TOTAL		4,176,368	2,950,722	71	-35,677	-1	-806,736	-19	
		SOUTH CE	NTRAL						
Travis, Lake	99	1,113,902	695,442	62	5,159	0	-368,198	-33	
*Austin, Lake	100	21,804	21,002	96	-45	0	-75	0	
Somerville Lake	101	147,104	140,275	95	25,985	18	-6,829	-5	
Canyon Lake	102	378,781	287,988	76	-1,655	0	-88,012	-23	
- Medina Lake	103	254,823	118,095	46	-6,742	-3	-101,633	-40	
*Coleto Creek Reservoir	104	31,040	25,886	83	1,931	6	-4,356	-14	
TOTAL		1,947,454	1,288,688	66	24,633	1	-569,103	-29	
		UPPER C	OAST						
Houston, Lake	105	128,863	128,863	100	0	0	0	0	
Texana, Lake	106	153,246	123,177	80	30,730	20	-14,684	-10	
TOTAL		282,109	252,040	89	30,730	11	-14,684	-5	
		SOUTH	IRN						
Choke Canyon Reservoir	107	695,262	531,137	76	-12,031	-2	-126,847	-18	
Corpus Christi, Lake	108	256,961	134,049	52	-15,760	-6	-105,387	-41	
*Falcon Reservoir (Texas)	109	1,551,034	1,424,000	92	-108,000	-7	462,000	30	
*Falcon Reservoir (TX & Mexico)	(109)	2,646,817	2,198,000	83	-448,817	-17	1,104,000	42	
TOTAL		2,503,257	2,089,186	83	-135,791	-5	229,766	9	
STATE TOTAL		31,202,790	26,058,803	84	709,854	2	-2,647,639	-8	

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

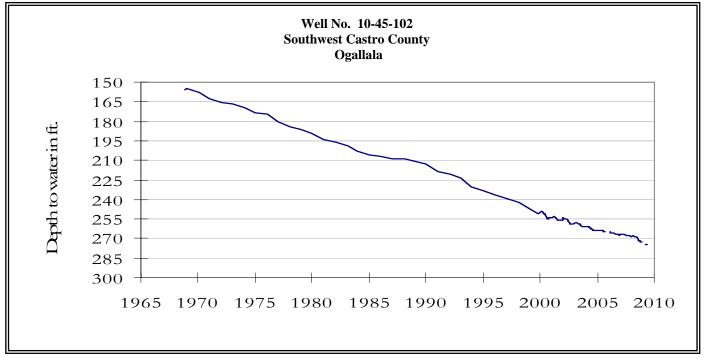
Note

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 in all reservoirs.

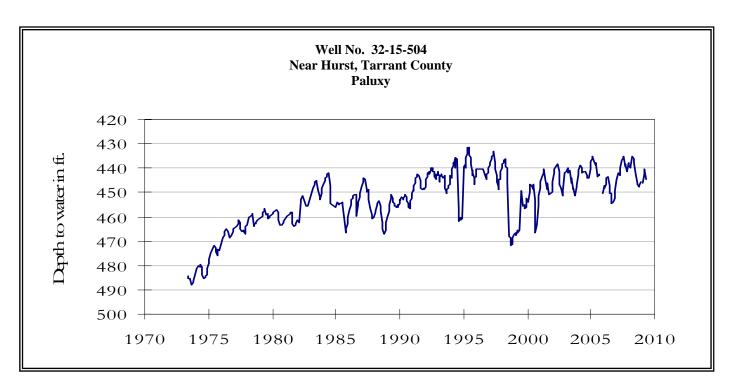
GROUND WATER LEVELS IN OBSERVATION WELLS



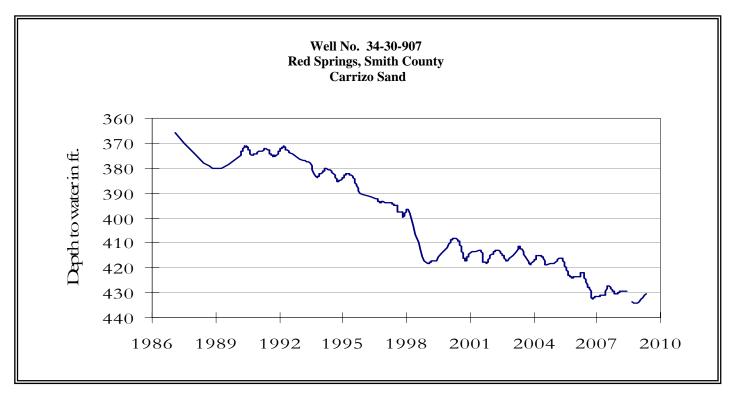
APRIL GROUNDWATER LEVELS IN OBSERVATION WELLS



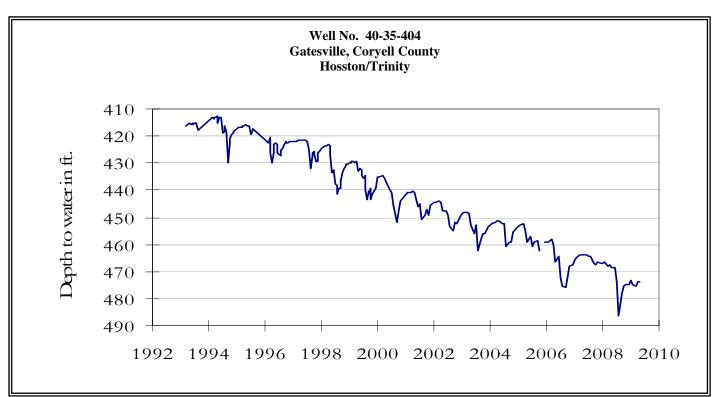
The late April water level measurement in this Ogallala Aquifer well, elevation 3,816 feet above sea level, was 274.89 feet below land surface. This measurement was 0.37 feet below last month's measurement, 6.05 feet below last year's measurement, and 118.89 feet below the initial measurement recorded in 1968. No water level measurements were recorded for September through December 2005, December 2008, and January 2009.



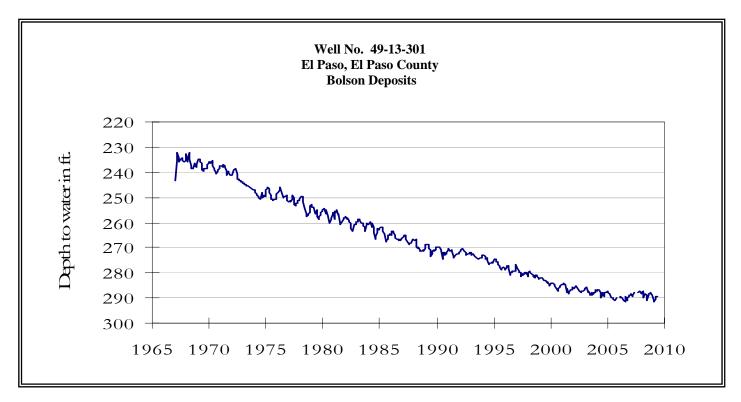
The late April water level measurement in this Paluxy Formation Trinity Aquifer well, elevation 535 feet above sea level, was 444.69 feet below land surface. This measurement was 4.13 feet below last month's measurement, 8.57 feet below last year's measurement, and 66.69 feet below the initial measurement recorded in 1955. No water level measurements were recorded for September or October 2005 and December 2008.



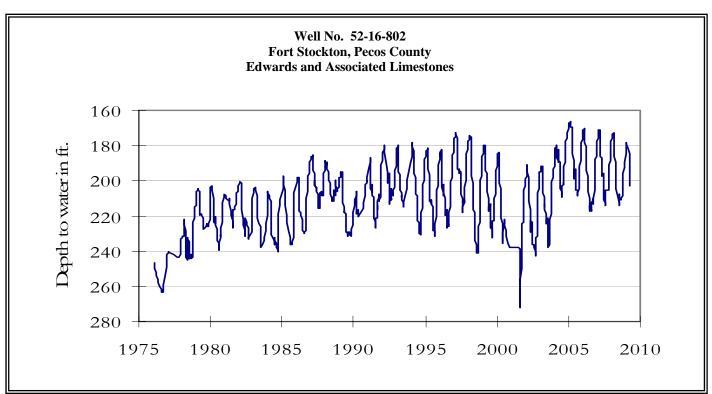
The late April water level measurement in this Carrizo-Wilcox Aquifer well, elevation 555 feet above sea level, was 430.70 feet below land surface. This water level was 0.55 feet above last month's measurement, 1.11 feet below last year's measurement, and 64.70 feet below the initial measurement recorded in 1987. No water level measurements were recorded for June and July 2008.



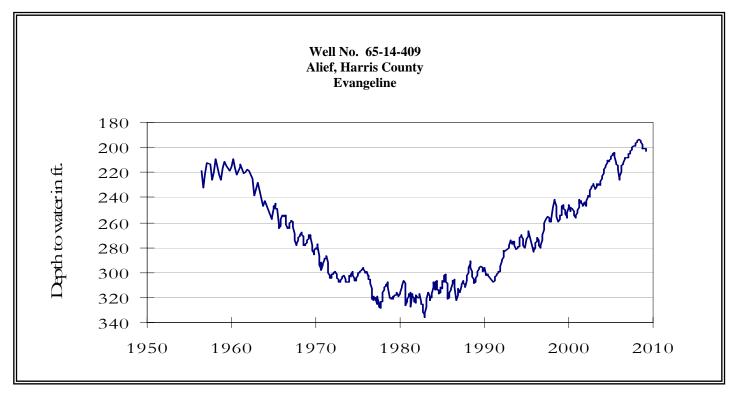
The late April water level measurement in this Hosston Formation Trinity Aquifer well, elevation 823 feet above sea level, was 473.82 feet below land surface. This water level was 0.13 feet above last month's measurement, 5.49 feet below last year's measurement, and 181.82 feet below the initial measurement recorded in 1955. No water level measurement was recorded for October 2005.



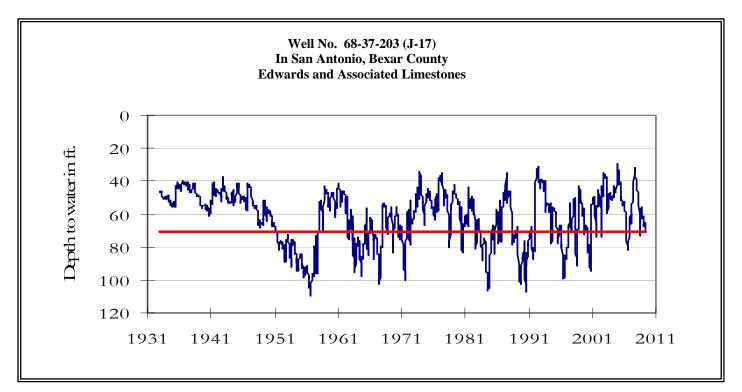
The late April water level measurement in this Hueco Bolson Aquifer well, elevation 3,882 feet above sea level, was 289.36 feet below land surface. This water level was 0.09 feet above last month's measurement, 1.00 feet below last year's measurement, and 57.46 feet below the initial measurement in 1964. No water level measurements were recorded for May through July 2007, and October or December 2005.



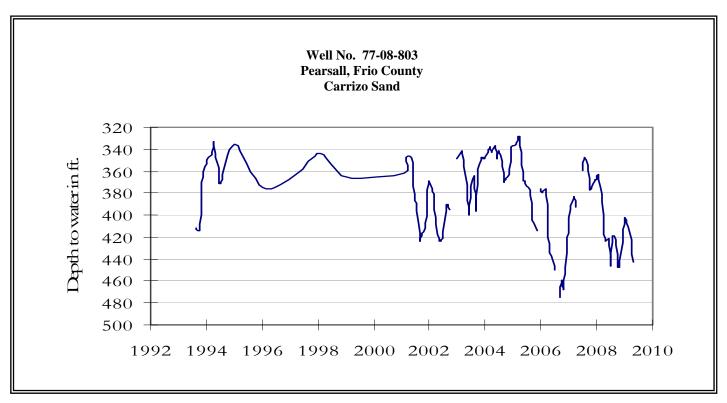
The late April water level measurement in this Edwards-Trinity Plateau Aquifer well, elevation 3,199 feet above sea level, was 203.30 feet below land surface. This water level was 13.89 feet below last month's measurement, 2.74 feet below last year's measurement, and 43.58 feet above the initial measurement in 1976.



The late April water level measurement in this Evangeline Formation Gulf Coast Aquifer well, elevation 66 feet above sea level was not available.

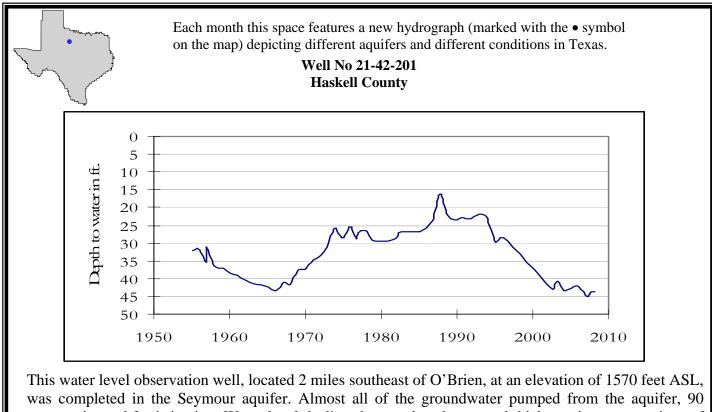


The late April water level measurement in this Edwards (BFZ) Aquifer well, elevation 731 feet above sea level, was 70.80 feet below land surface. This was 5.35 feet below last month's measurement, 19.74 feet below last year's measurement, and 24.16 feet below the initial measurement recorded in 1932. Stage 1 drought restrictions were enacted on 4/28/2009 by the Edwards Aquifer Authority due to low spring flow. ***** Water levels below the red line indicate Edwards Aquifer Authority Stage 1 drought restrictions. *****



The late April water level measurement in this Carrizo-Wilcox Aquifer well, elevation 652 feet above sea level, was 442.38 feet below land surface. This was 14.16 feet below last month's measurement, 18.66 feet below last year's measurement, and 162.38 feet below the initial measurement recorded in 1963. No water level measurements were recorded for April and May 2007, July 2006, November 2005, and October through November 2002.

HYDROGRAPH OF THE MONTH



was completed in the Seymour aquifer. Almost all of the groundwater pumped from the aquifer, 90 percent, is used for irrigation. Water level declines have reduced saturated thickness in some portions of the aquifer.

April, 2009

Water level measurements were available for eight out of the nine key monitoring wells. Water levels rose in three of the nine monitoring wells since the beginning of April, ranging from 0.09 feet in the El Paso Co. Hueco Bolson well to 0.55 feet in the Smith Co. Carrizo well. Water levels declined in the remaining monitoring wells, ranging from 0.37 feet in the Castro Co. Ogallala well to 14.16 feet in the Frio Co. Carrizo well. The J-17 well in San Antonio recorded a water level of 70.80 feet below land surface, 5.35 feet below last month's measurement. This water level is 0.20 feet above the Stage 1 critical management level. However, due to low springflow at San Marcos Springs, the Edwards Aquifer Authority issued Stage 1 drought restrictions on April 28, 2009.

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