RESERVOIR STORAGE

July 2012

At the end of the month, total storage in 109 of the state's major water supply reservoirs was at 22.75 million acre-feet*, or 73% of their total conservation storage capacity. This is 709,000 acre-feet less than a month ago but 1.3 million acre-feet more than storage at this time last year.

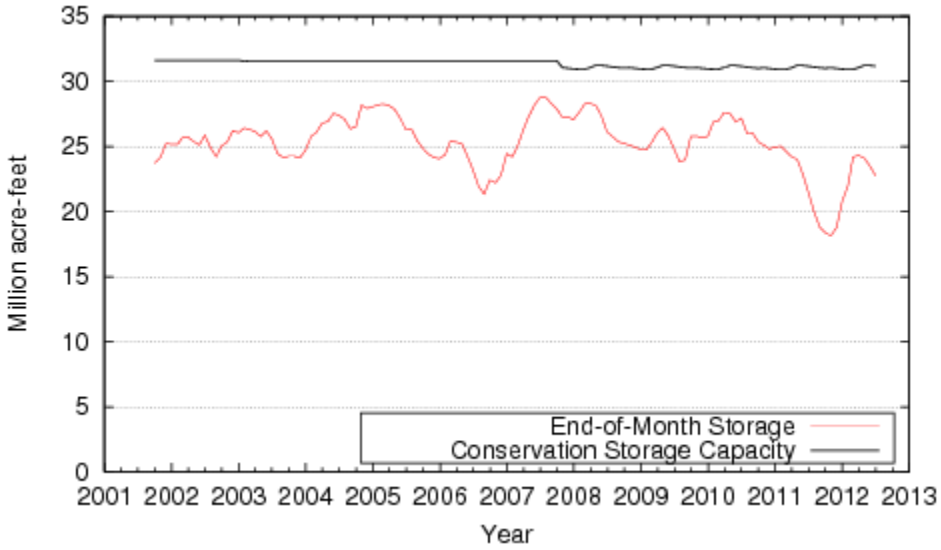
Only one reservoir, Lake Houston, held 100% of conservation storage capacity. Eleven reservoirs were at or below 10% full: E.V. Spence, O. C. Fisher, Twin Buttes, Hords Creek Lake, J. B. Thomas, ; Electra and Meredith were effectively empty, Palo Duro at 4%, Mackenzie, Red Bluff, White River were at 8%, 9% and 10% full, respectively.

Total combined storage was greater than 70% in the North Central (86%), East (92%), and Upper Coast (100%) regions. The regions with the lowest percentage storage were the High Plains (1%) and Trans-Pecos regions (9%). Storage over the last month declined in 7 regions and increased in 2 regions.

Elephant Butte reservoir held 179,000 acre-feet, or 9% of storage capacity. This is 94,000 acre-ft less than a month ago.

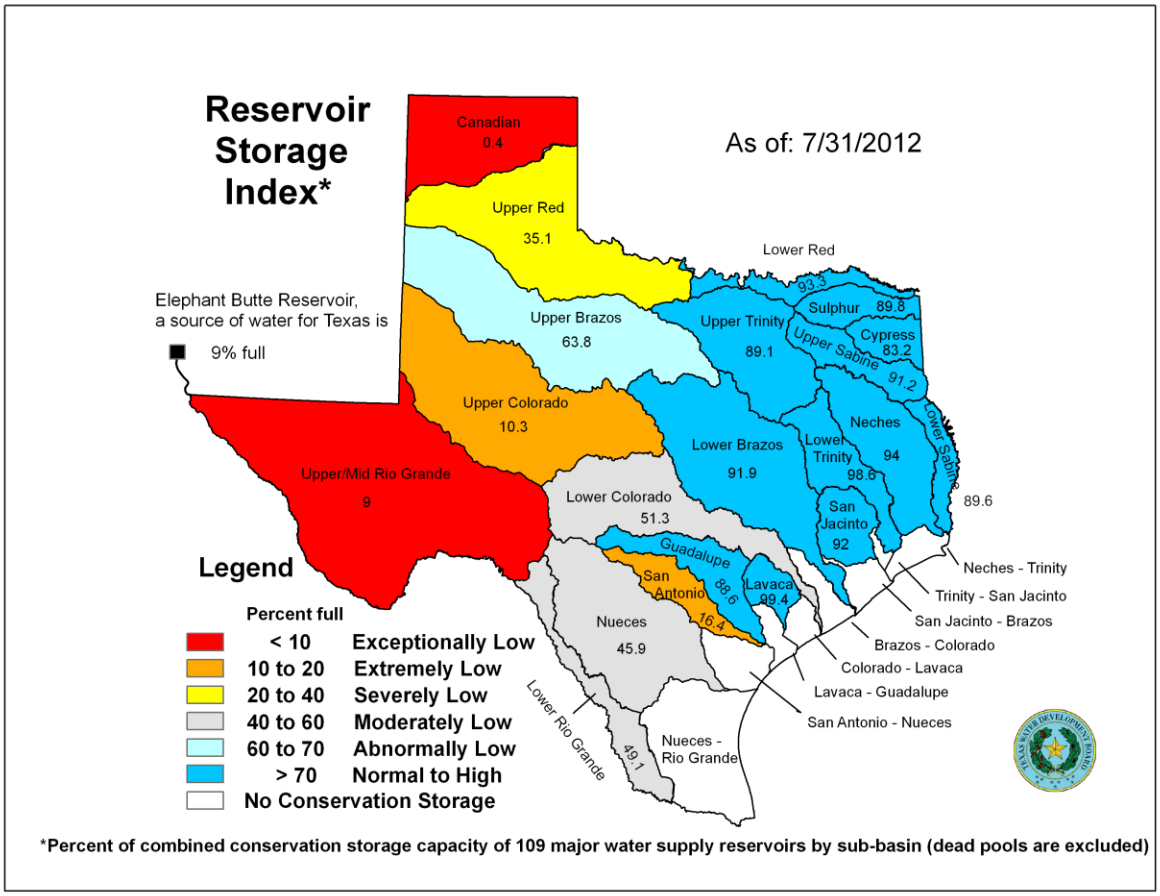
* Only the Texas share of storage in border reservoirs is counted.

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

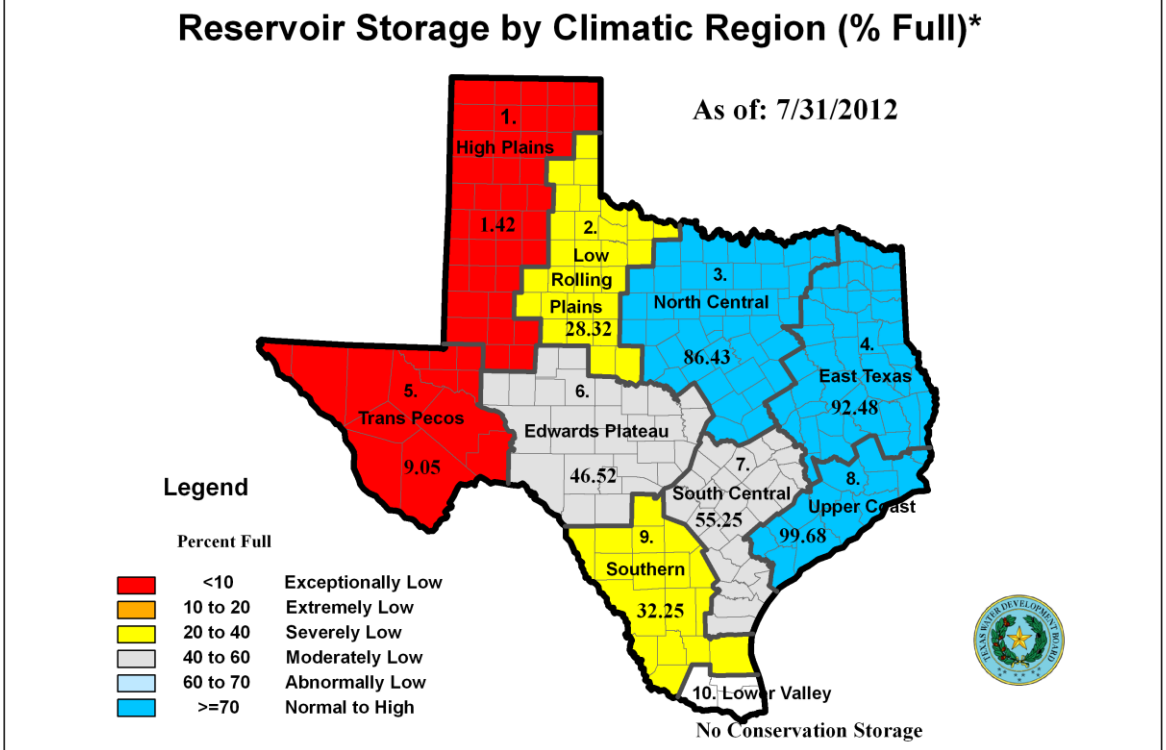


Figures are based on the end of the month data at 109 major reservoirs that represent 96 percent of the total conservation storage capacity of the 175 major water supply reservoirs in Texas. Major reservoirs are defined as having a conservation storage capacity of 5,000 acre-feet or greater.

JULY RESERVOIR CONDITIONS



*Percent of combined conservation storage capacity of 109 major water supply reservoirs by sub-basin (dead pools are excluded)



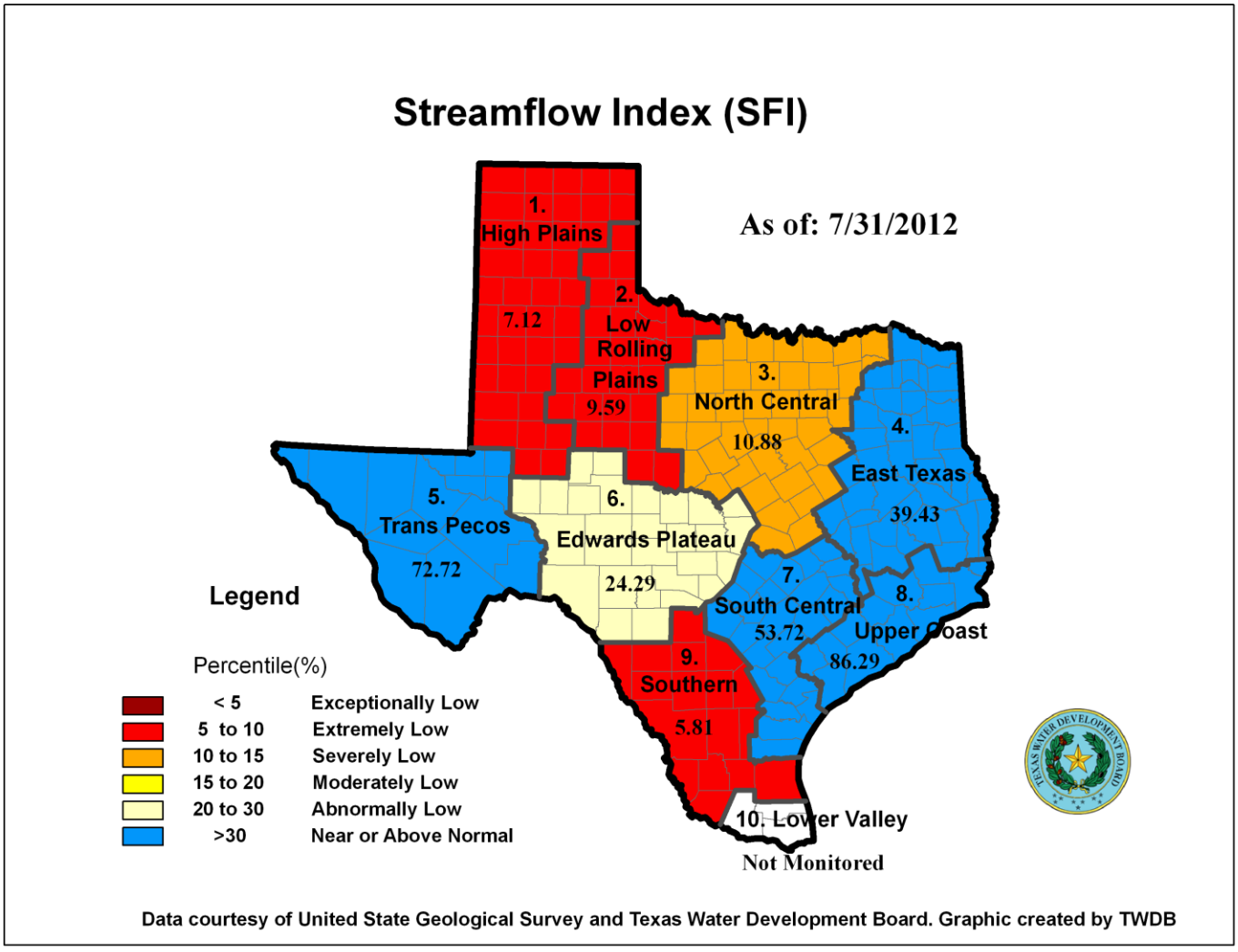
Data courtesy of U. S. Geological Survey and Texas Water Development Board. Graphic created by TWDB.

*Percent of combined conservation storage capacity of 109 major water supply reservoirs for that region (dead pools are excluded)

JULY STREAMFLOW CONDITIONS

Of 29 reporting index stations monitored this month, computed 30-day mean flows were exceptionally low (<5%) at 6 stations, extremely low (5-10%) at 3 stations, severely low (10-15%) at 3 stations, moderately low (15-20%) at 6 stations, abnormally low (20% - 30%) at 1 station, and near normal (30% - 70%) at the remaining 10 stations. Compared to last month, flows have increased at 11 index stations and decreased at 16 stations.

On a regional basis, flows in this month were extremely low in the Southern, High Plains and Low Rolling Plains, severely low in the North Central, abnormally low in the Edwards Plateau, and near normal in all other regions. Streamflow in the Lower Valley region is not monitored.



CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake or Reservoir	No. on Map	Conservation Storage Capacity (acre-feet)	Conservation Storage Late July 2012 (acre-feet)	(%)	Change since Late June 2012 (acre-feet)	(%)	Change since Late July 2011 (acre-feet)	(%)
HIGH PLAINS								
Palo Duro Reservoir	1	60,897	2,330	4	-365	-1	-3,701	-6
Meredith, Lake (Texas)	2	500,000	0	0	0	0	0	0
Meredith, Lake (Texas & Oklahoma)	(2)	779,556	0	0	0	0	0	0
MacKenzie Reservoir	3	46,429	3,610	8	-154	0	-1,250	-3
White River Lake	4	29,880	3,079	10	-503	-2	-3,454	-12
TOTAL		637,206	9,019	1	-1,022	0	-8,405	-1
LOW ROLLING PLAINS								
Greenbelt Lake	5	59,500	9,601	16	-808	-1	-2,992	-5
*Electra, Lake	6	5,626	21	0	-19	0	-48	-1
N. Fork Buffalo Crk Reservoir	7	15,400	1,629	11	-247	-2	-1,671	-11
Kemp, Lake	8	245,308	80,383	33	-10,459	-4	-42,553	-17
Millers Creek Reservoir	9	27,888	7,443	27	-699	-3	-5,488	-20
Alan Henry Reservoir	10	94,808	74,874	79	-1,278	-1	-5,309	-6
Stamford, Lake	11	51,570	18,572	36	-1,963	-4	-15,085	-29
J B Thomas, Lake	12	199,931	931	0	247	0	-3,498	-2
Fort Phantom Hill, Lake	13	70,030	32,067	46	-2,030	-3	-10,955	-16
Sweetwater, Lake	14	10,006	2,198	22	-204	-2	-1,762	-18
Colorado City, Lake	15	31,793	8,771	28	-211	-1	-2,794	-9
Champion Creek Reservoir	16	41,618	4,305	10	-137	0	-920	-2
Abilene, Lake	17	6,099	723	12	-157	-3	-1,918	-31
Coleman, Lake	18	38,076	14,004	37	-759	-2	-2,880	-8
Hords Creek Lake	19	5,684	0	0	0	0	0	0
TOTAL		903,337	255,522	28	-18,724	-2	-97,873	-11
NORTH CENTRAL								
Nocona, Lake (Farmers Crk)	20	21,445	12,534	58	-844	-4	-2,237	-10
Hubert H Moss Lake	21	24,058	23,043	96	-812	-3	815	3
Texoma, Lake (Texas)	22	1,300,076	1,224,958	94	-38,059	-3	103,519	8
Texoma, Lake (Texas & Oklahoma)	(22)	2,600,152	2,449,916	94	-76,119	-3	207,037	8
*Pat Mayse Lake	23	117,844	110,517	94	-3,641	-3	0	0
Kickapoo, Lake	24	85,825	38,000	44	-2,828	-3	-12,582	-15
Arrowhead, Lake	25	235,997	110,711	47	-9,687	-4	-35,271	-15
Bonham, Lake	26	11,026	9,368	85	-722	-7	315	3
Crook, Lake	27	9,195	7,851	85	-352	-4	140	2
Amon G Carter, Lake	28	19,903	14,882	75	-1,161	-6	297	1
Ray Roberts, Lake	29	798,758	760,254	95	-23,941	-3	34,146	4
Jim Chapman Lake (Cooper)	30	260,332	219,118	84	-15,332	-6	79,030	30
Graham, Lake	31	45,260	39,457	87	-2,627	-6	5,705	13
*Lost Creek Reservoir	32	11,950	11,059	93	-320	-3	1,148	10
Bridgeport, Lake	33	366,236	274,089	75	-23,162	-6	9,354	3
Lewisville Lake	34	563,228	492,451	87	-38,641	-7	6,869	1
Lavon Lake	35	443,844	369,492	83	-40,333	-9	50,571	11
Hubbard Creek Reservoir	36	318,067	119,988	38	-8,712	-3	-33,793	-11
Possum Kingdom Lake	37	540,340	432,880	80	-11,333	-2	-4,958	-1
*Mineral Wells, Lake	38	7,065	5,790	82	-390	-6	782	11
Weatherford, Lake	39	17,789	14,158	80	-1,407	-8	2,188	12
Eagle Mountain Lake	40	179,880	144,448	80	-9,143	-5	4,828	3
Worth, Lake	41	24,500	16,860	69	-1,121	-5	62	0
Grapevine Lake	42	164,702	143,179	87	-8,713	-5	-10,635	-6
Ray Hubbard, Lake	43	452,040	415,359	92	-26,762	-6	26,877	6
New Terrell City Lake	44	8,583	7,896	92	-432	-5	1,308	15
Daniel, Lake	45	9,435	3,926	42	-465	-5	1,406	15
Palo Pinto, Lake	46	26,827	23,634	88	-2,395	-9	3,526	13
Benbrook Lake	47	85,648	70,195	82	-7,680	-9	9,423	11
Arlington, Lake	48	40,156	29,693	74	-5,734	-14	4,007	10

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake or Reservoir	No. on Map	Conservation Storage Capacity (acre-feet)	Conservation Storage Late July 2012 (acre-feet)	(%)	Change since Late June 2012 (acre-feet)	(%)	Change since Late July 2011 (acre-feet)	(%)
NORTH CENTRAL (Continue)								
Joe Pool Lake	49	142,861	133,609	94	-5,783	-4	3,313	2
*Cisco, Lake	50	26,000	11,140	43	-336	-1	-769	-3
Leon, Lake	51	26,421	20,761	79	-1,193	-5	8,304	31
Granbury, Lake	52	128,046	109,151	85	-10,978	-9	5,105	4
Pat Cleburne, Lake	53	26,008	22,624	87	-1,438	-6	2,643	10
Waxahachie, Lake	54	10,779	9,460	88	-266	-2	359	3
Bardwell Lake	55	46,122	43,182	94	-1,609	-3	4,689	10
Proctor Lake	56	55,457	44,812	81	-5,042	-9	20,417	37
Whitney, Lake	57	553,349	498,470	90	-31,614	-6	190,200	34
Aquilla Lake	58	44,460	40,249	91	-2,453	-6	4,862	11
Navarro Mills Lake	59	49,826	47,138	95	-2,688	-5	6,287	13
*Halbert, Lake	60	6,033	4,788	79	-179	-3	2,005	33
Richland-Chambers Reservoir	61	1,087,839	1,020,875	94	-36,011	-3	125,337	12
*Brownwood, Lake	62	131,429	67,216	51	-4,181	-3	8,955	7
Waco, Lake	62	198,943	192,608	97	-6,001	-3	27,216	14
Limestone, Lake	64	208,015	180,594	87	-9,163	-4	34,058	16
Belton Lake	65	435,225	417,014	96	-12,911	-3	53,286	12
Stillhouse Hollow Lake	66	227,771	214,517	94	-2,052	-1	45,030	20
Georgetown, Lake	67	36,823	27,367	74	-4,044	-11	8,884	24
Granger Lake	68	50,779	48,471	95	-517	-1	7,700	15
Tawakoni, Lake	69	888,126	824,557	93	-29,232	-3	93,237	10
TOTAL		10,570,321	9,124,393	86	-454,440	-4	897,958	8
EAST								
Wright Patman Lake	70	277,486	258,724	93	-10,101	-4	-5,461	-2
*Sulphur Springs, Lake	71	17,838	15,998	90	-1,129	-6	5,756	32
Cypress Springs, Lake	72	66,756	63,687	95	-1,886	-3	4,723	7
Bob Sandlin, Lake	73	200,579	167,785	84	-6,431	-3	19,253	10
Fork Reservoir, Lake	74	604,927	532,446	88	-14,552	-2	54,137	9
O the Pines, Lake	75	267,672	197,839	74	-8,253	-3	-16,070	-6
Cedar Creek Reservoir in Trinity	76	644,686	589,491	91	-23,688	-4	81,457	13
Athens, Lake	77	29,435	25,009	85	-1,166	-4	720	2
Palestine, Lake	78	370,907	353,520	95	-11,953	-3	64,884	17
Tyler, Lake	79	73,256	58,698	80	-2,659	-4	4,529	6
Murvaul, Lake	80	38,284	36,859	96	-1,083	-3	9,006	24
Jacksonville, Lake	81	25,670	24,868	97	-240	-1	2,685	10
Nacogdoches, Lake	82	39,521	31,675	80	-903	-2	8,645	22
Houston County Lake	83	17,113	16,084	94	-432	-3	1,198	7
Sam Rayburn Reservoir	84	2,857,077	2,702,241	95	-5,552	0	860,828	30
Toledo Bend Reservoir (Texas)	85	2,236,450	2,006,231	90	16,115	1	533,800	24
Toledo Bend Reservoir (TX & LA)	(85)	4,472,900	4,012,462	90	32,229	1	1,067,600	24
*Livingston, Lake	86	1,741,867	1,722,000	99	-14,000	-1	78,000	4
B A Steinhagen Lake	87	66,966	62,933	94	-807	-1	907	1
Conroe, Lake	88	416,188	372,832	90	7,072	2	23,771	6
TOTAL		9,992,678	9,238,920	92	-81,648	-1	1,732,768	17
TRANS-PECOS								
Red Bluff Reservoir	89	130,170	11,754	9	712	1	-2,868	-2
TOTAL		130,170	11,754	9	712	1	-2,868	-2

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

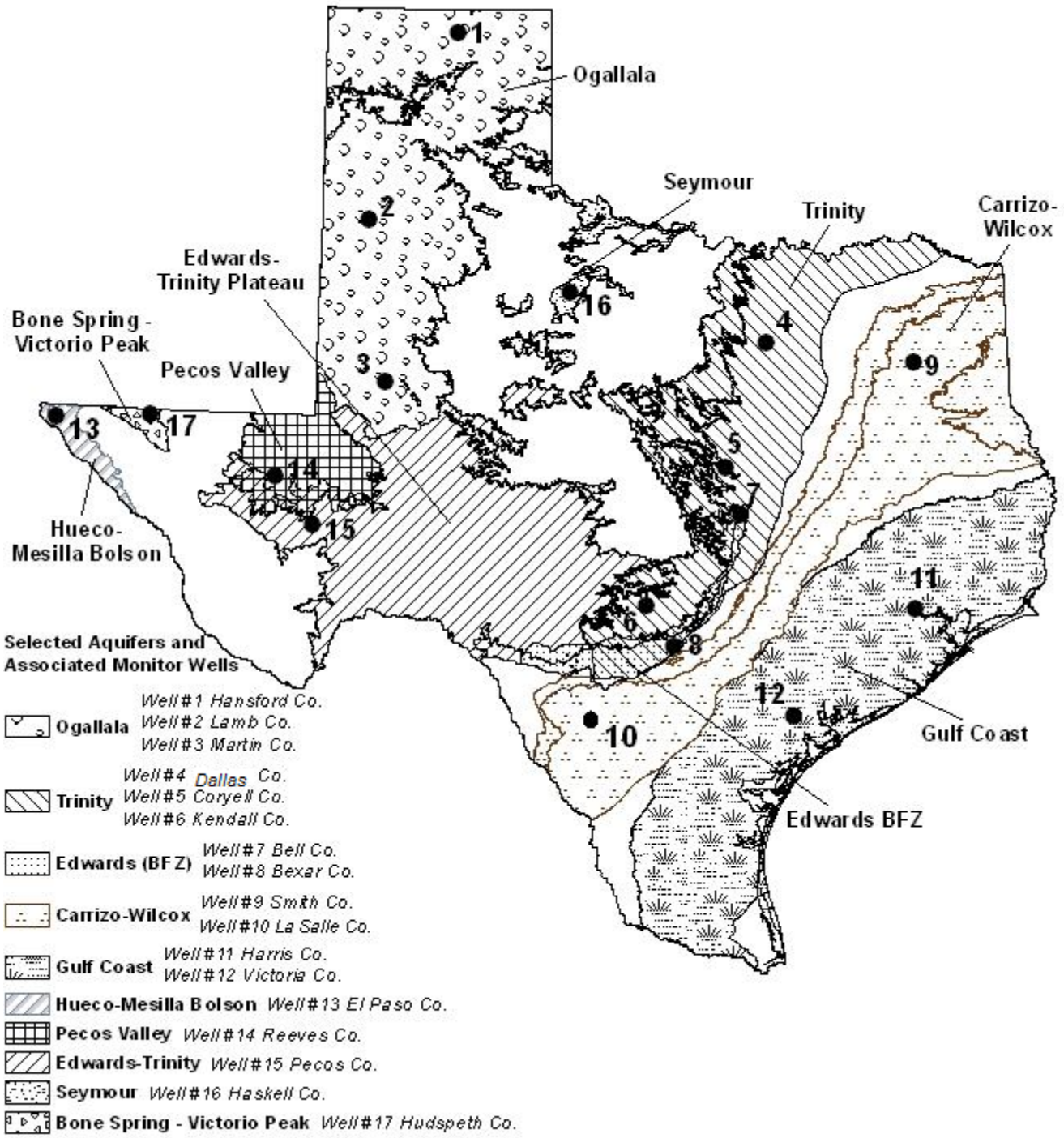
Name of Lake or Reservoir	No. on Map	Conservation Storage Capacity (acre-feet)	Conservation Storage Late July 2012 (acre-feet)	2012 (%)	Change since Late June 2012 (acre-feet)	(%)	Change since Late July 2011 (acre-feet)	(%)
EDWARDS PLATEAU								
Oak Creek Reservoir	90	39,260	12,066	31	-672	-2	-5,544	-14
E V Spence Reservoir	91	517,272	1,556	0	-210	0	-1,711	0
O C Fisher Lake	92	79,483	0	0	0	0	0	0
*O H Ivie Reservoir	93	554,335	77,439	14	-6,843	-1	-51,667	-9
Twin Buttes Reservoir	94	177,850	0	0	0	0	-6,675	-4
Brady Creek Reservoir	95	29,110	6,491	22	-580	-2	-2,511	-9
Buchanan, Lake	96	824,519	435,524	53	-16,281	-2	-34,225	-4
Lyndon B Johnson, Lake	97	113,323	111,075	98	-183	0	121	0
*Amistad Reservoir (Texas)	98	1,840,849	1,295,000	70	-34,000	-2	-388,000	-21
*Amistad Reservoir (TX & Mexico)	(98)	3,275,532	1,908,000	58	-30,000	-1	-1,046,000	-32
TOTAL		4,176,001	1,939,151	46	-58,769	-1	-490,212	-12
SOUTH CENTRAL								
Travis, Lake	99	1,113,255	508,747	46	-11,544	-1	-10,697	-1
*Austin, Lake	100	21,804	20,684	95	-288	-1	-212	-1
Somerville Lake	101	147,104	140,809	96	-3,094	-2	57,189	39
Canyon Lake	102	378,781	334,802	88	-3,642	-1	2,352	1
Medina Lake	103	254,823	41,670	16	-6,721	-3	-56,166	-22
*Coleto Creek Reservoir	104	31,040	28,499	92	1,977	6	4,361	14
TOTAL		1,946,807	1,075,211	55	-23,312	-1	-3,173	0
UPPER COAST								
Houston, Lake	105	128,863	128,863	100	0	0	33,513	26
Texana, Lake	106	159,640	158,812	99	17,240	11	72,222	45
TOTAL		288,503	287,675	100	17,240	6	105,735	37
SOUTHERN								
Choke Canyon Reservoir	107	695,262	386,059	56	-10,385	-1	-94,688	-14
Corpus Christi, Lake	108	256,961	53,341	21	-10,842	-4	-92,156	-36
*Falcon Reservoir (Texas)	109	1,551,034	370,000	24	-68,000	-4	-643,000	-41
*Falcon Reservoir (TX & Mexico)	(109)	2,646,817	573,000	22	-77,000	-3	-915,000	-35
TOTAL		2,503,257	809,400	32	-89,227	-4	-829,844	-33
STATE TOTAL		31,148,280	22,751,045	73	-709,190	-2	1,304,086	4
In Addition								
Elephant Butte Reservoir		1,975,000	179,166	9	-94,853	-5	-43,820	-2

* 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.

JULY 2012 GROUNDWATER LEVELS IN OBSERVATION WELLS



July, 2012

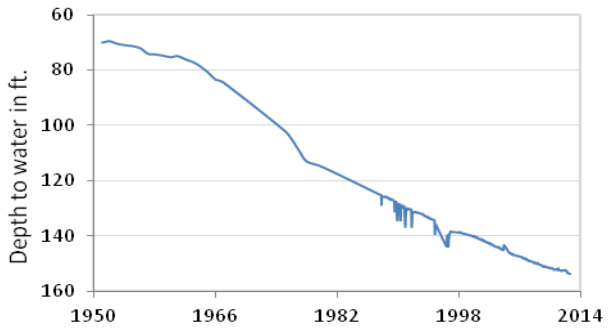
Water level measurements were available for all seventeen key monitoring wells in the state. Water levels rose in six of the monitoring wells since the beginning of July, ranging from 0.08 feet in the Reeves County Pecos Valley Aquifer well to 1.11 feet in the Smith County Carrizo Wilcox Aquifer well. Water levels declined in the remaining eleven monitoring wells, ranging from 0.09 feet in the Hansford County Ogallala Aquifer well to 13.55 feet in the La Salle County Carrizo Wilcox Aquifer well. The J-17 well in San Antonio recorded a water level of 88.47 feet below land surface or 642.53 feet above mean sea level. This water level is 7.47 feet below the Stage II critical management level in that segment of the Edwards Aquifer. Stage II restrictions were declared by the E.A.A when the ten-day average fell below 650-foot elevation or 81 feet below land surface.

*** ID is used in this publication to differentiate between the monitoring well number (1 - 17) as displayed on the aquifer map and the TWDB's six- or seven-digit state well "identification" number.**

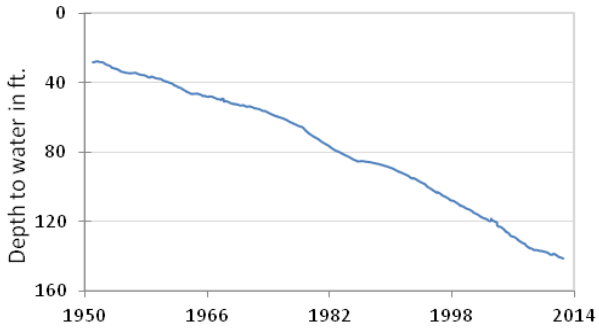
Monitoring Well	July 2012	June 2012	Month Change	Year Change	Historical Change
(1) Hansford 0354301	153.81	153.72	-0.09	-1.17	-83.69
(2) Lamb 1053602	141.36	141.17	-0.19	-2.35	-113.21
(3) Martin 2739903	140.25	140.52	0.27	-0.57	-35.36
(4) Dallas 3319101	485.9	485.66	-0.24	NA	-263.9
(5) Coryell 4035404	506.03	500.21	-5.82	-11.05	-214.03
(6) Kendall 6802609	148.36	136.90	-11.46	6.59	-88.36
(7) Bell 5804816	125.48	125.00	-0.48	-0.36	-2.35
(8) Bexar 6837203	88.47	87.36	-1.11	0.41	-41.83
(9) Smith 3430907	434.52	435.63	1.11	0.26	-68.52
(10) La Salle 7738103	423.87	410.32	-13.55	-76.6	-170.8
(11) Harris 6514409	201.08	200.49	-0.59	-2.17	-65.58
(12) Victoria 8017502	36.53	36.64	0.11	-1.44	-2.53
(13) El Paso 4913301	291.40	292.24	0.84	-1.05	-59.5
(14) Reeves 4644501	152.04	152.12	0.08	1.99	-59.95
(15) Pecos 5216802	229.35	229.86	0.51	5.15	17.53
(16) Haskell 2135748	47.82	46.82	-1	-0.19	-6.49
(17) Hudspeth 4807516	148.86	147.82	-1.04	0.26	-44.94

JULY GROUNDWATER LEVELS IN OBSERVATION WELLS

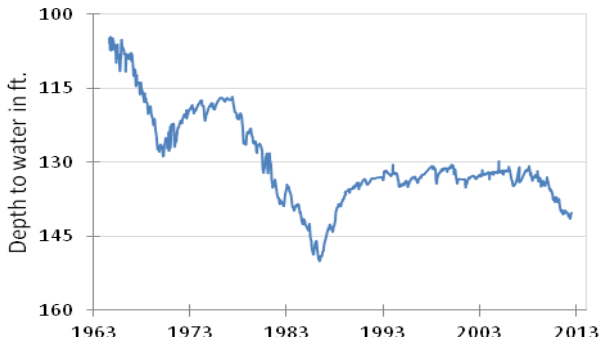
(1) State Well ID 03-54-301
Near Spearman, Hansford County
Ogallala Aquifer



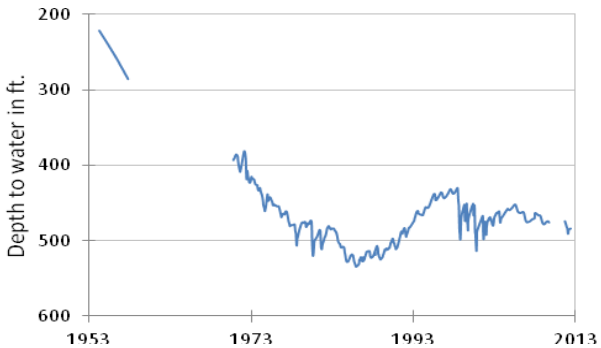
(2) State Well ID 10-53-602
Near Earth, Lamb County
Ogallala Aquifer



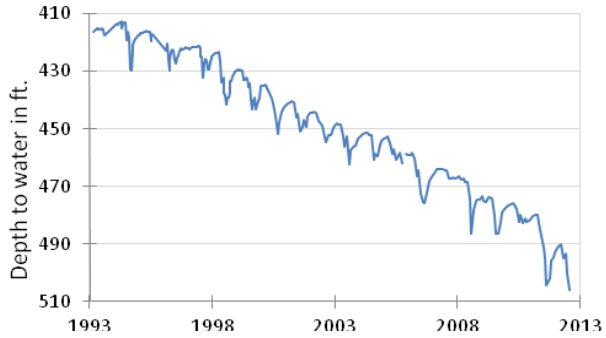
(3) State Well ID 27-39-903
Northwest Martin County
Ogallala Aquifer



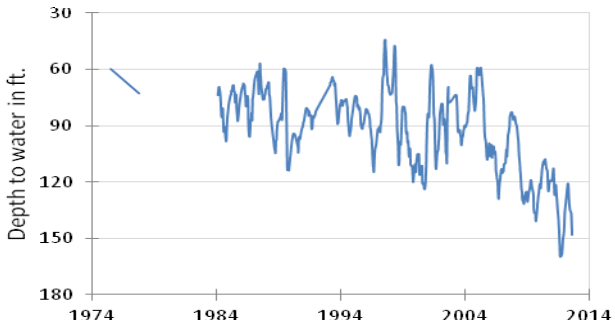
(4) State Well ID 33-19-101
Southeast Dallas, Dallas County
Twin Mountains Formation-Trinity Aquifer



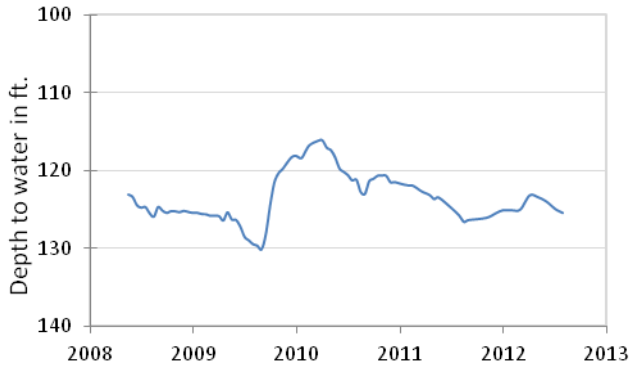
(5) State Well ID 40-35-404
Gatesville, Coryell County
Hosston Formation-Trinity Aquifer



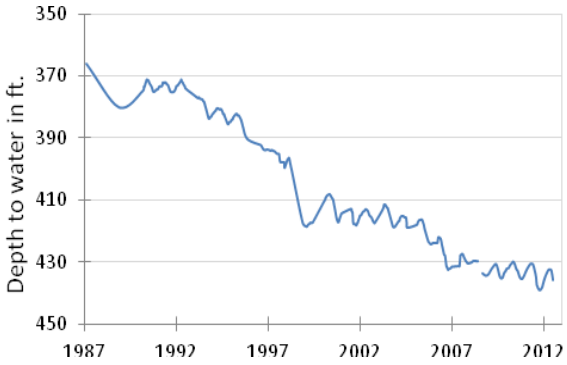
(6) State Well ID 68-02-609
Waring, Kendall County
Cow Creek Formation-Trinity Aquifer



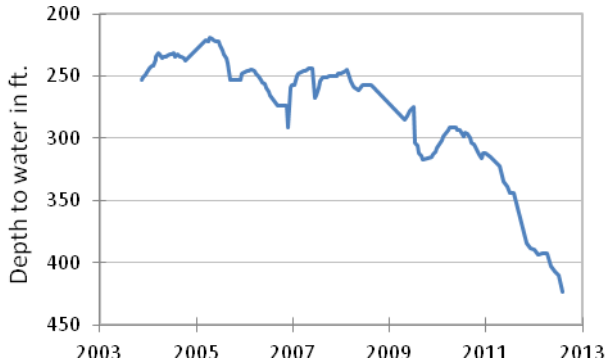
(7) State Well ID 58-04-816
Near Salado, Bell County
Edwards (BFZ) Aquifer



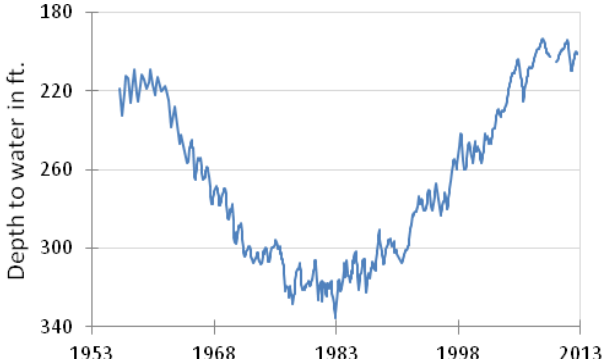
(9) State Well ID 34-30-907
Red Springs, Smith County
Carrizo-Wilcox Aquifer



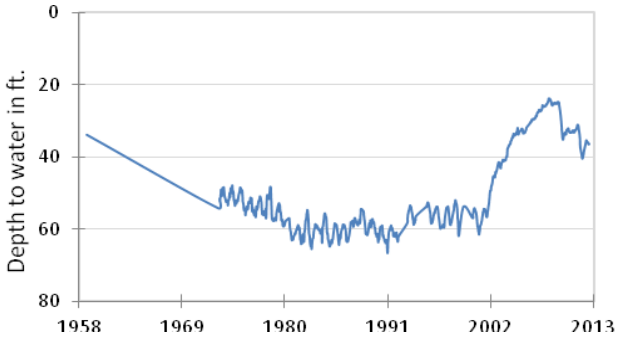
(10) State Well ID 77-38-103
Near Cotulla, La Salle County
Carrizo-Wilcox Aquifer



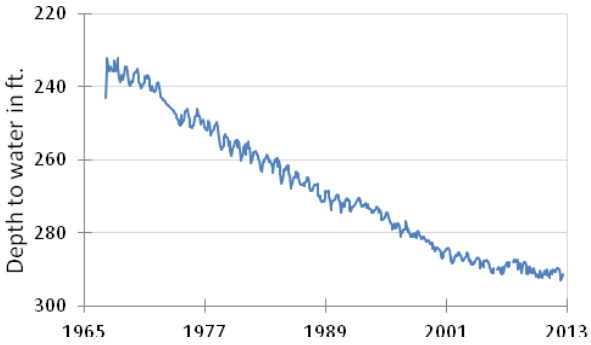
(11) State Well ID 65-14-409
Alief, Harris County
Evangeline Formation-Gulf Coast Aquifer



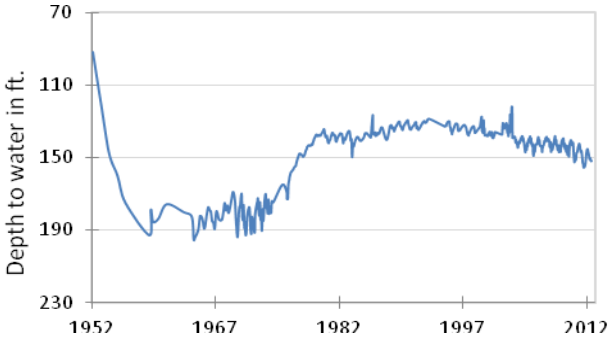
(12) State Well ID 80-17-502
Near Bloomington, Victoria County
Lissie Formation-Gulf Coast Aquifer



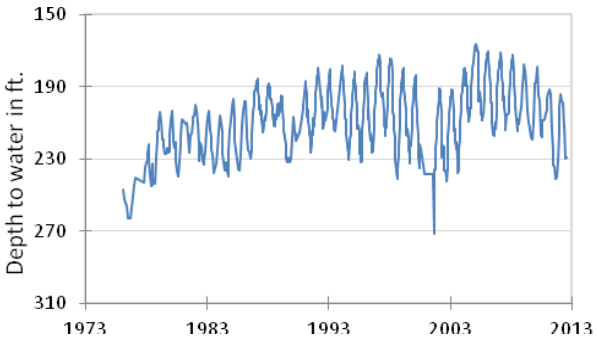
(13) State Well ID 49-13-301
El Paso, El Paso County
Hueco-Mesilla Bolson Aquifer



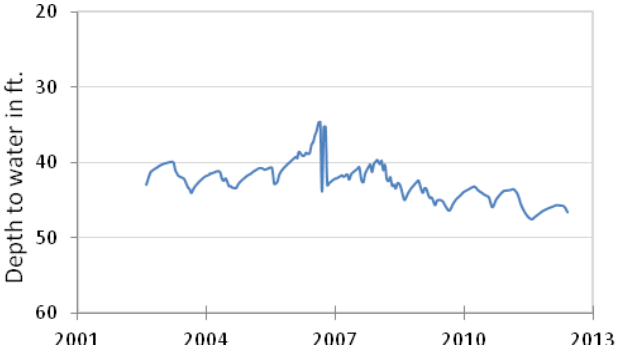
(14) State Well ID 46-44-501
Near Pecos, Reeves County
Pecos Valley Aquifer



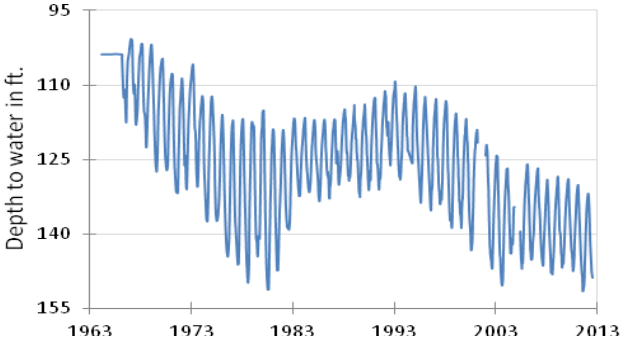
(15) State Well ID 52-16-802
Fort Stockton, Pecos County
Edwards-Trinity (Plateau) Aquifer



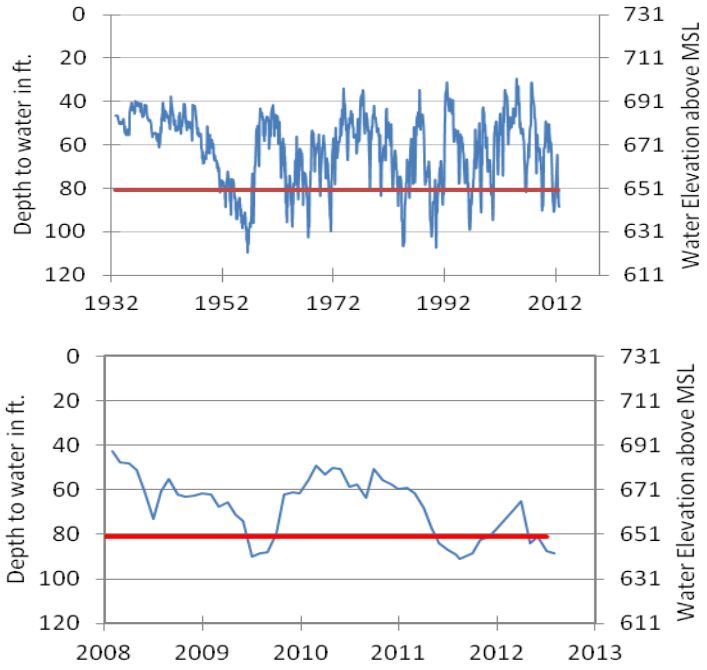
(16) State Well ID 21-35-748
Near O'Brien, Haskell County
Seymour Aquifer



(17) State Well ID 48-07-516
Dell City, Hudspeth County
Bone Spring - Victorio Peak Aquifer



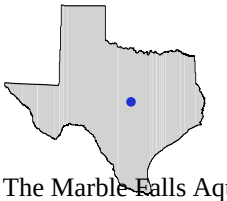
(8) State Well ID 68-37-203 (J-17)
In San Antonio, Bexar County
Edwards (BFZ) Aquifer



The late July water level measurement in this Edwards (BFZ) Aquifer well, elevation 731 feet above sea level, was 88.47 feet below land surface, or 642.53 feet above mean sea level. This was 1.11 feet below last month's measurement, 0.41 feet below last year's measurement, and 41.83 feet below the initial measurement recorded in 1932.

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

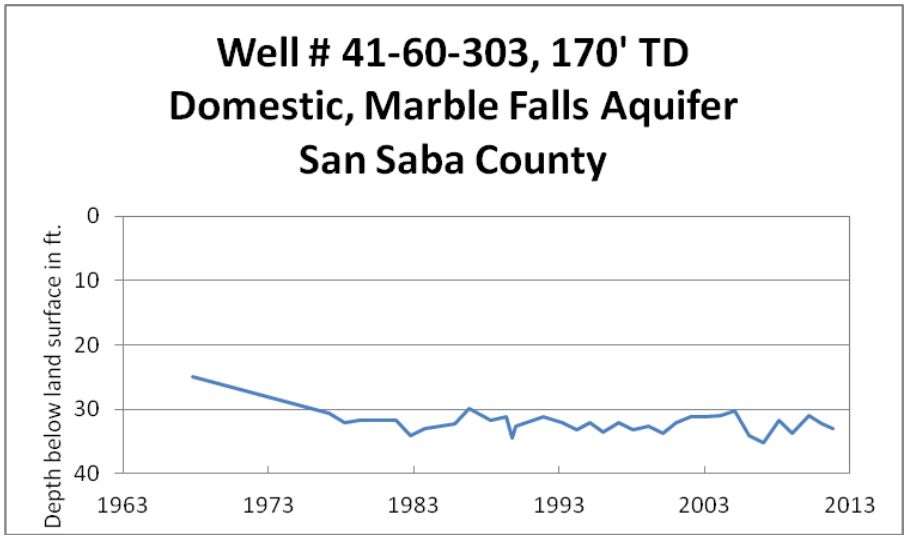
HYDROGRAPH OF THE MONTH



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

Marble Falls Aquifer

The Marble Falls Aquifer occurs in several separated outcrops along the northern and eastern flanks of the Llano Uplift in Central Texas. Original deposition occurred some 310 million years ago on the margins of and in the shallow seas surrounding the convergent boundary between land masses today known as Texas and South America. In some areas, Marble Falls equivalent-aged carbonates accumulated large deposits of organic rich sediments and now host some of the most important petroleum reservoirs in Texas. Around the Llano Uplift, these carbonate rocks formed the aquifer. Isolated zones of high permeability and porosity developed where sediments were subaerially exposed after deposition, as indicated by yields in some wells as great as 2,000 gallons per minute. Numerous large springs issue from the aquifer and provide a significant part of the base flow to the San Saba River and the Colorado River in San Saba and Lampasas counties.



Water levels in this domestic well, at an elevation of 1,100 feet above sea level in eastern San Saba County, experienced a total historical decline of eight feet from the original measurement in 1967 until the latest measurement in 2011, with levels remaining relatively constant since the late seventies.

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