RESERVOIR STORAGE

June 2014

At the end of the month, total storage in 114 of the state's major water supply reservoirs was at 21.24 million acre-feet*, or 68% of their total conservation storage capacity. This is 241,166 acre-feet more than a month ago and 627,083 acre-feet more than the storage at this time last year. No data was reported for Electra, B.A. Steinhagen, and North Fork Buffalo Creek. Electra has been empty since the end of October, 2012

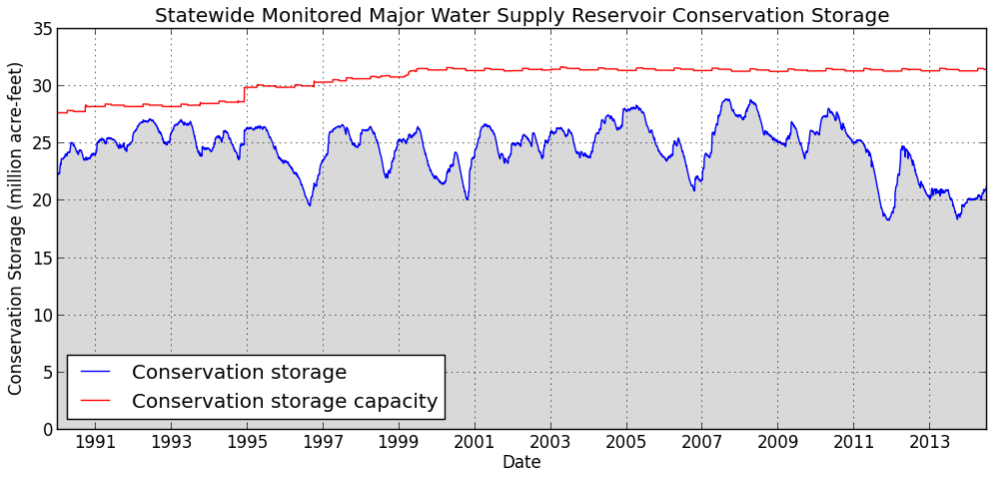
Twenty-three reservoirs, most in the North Central and East, held 100% of conservation storage capacity. Thirteen (13) reservoirs were below 10% full: North Fork Buffalo Creek (0%), Electra (0%), White River (1%), J. B. Thomas (1%), Meredith (2%), E.V. Spence (2%), Palo Duro (3%), Abilene (3%), O. C. Fisher (3%), Medina (5%), Champion Creek (7%), Mackenzie (8%), and Twin Buttes (8%).

Total combined storage was greater than 70% in the Upper Coast (100%) and East (98%) regions. The regions with the lowest percentage storage were the High Plains (2%) and Low Rolling Plains regions (22%). Storage declined in 4 regions and increased in 4 regions over the past month.

Elephant Butte reservoir held 229,122 acre-feet, or 12% of storage capacity. This is 135,880 acre-feet less than a month ago.

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

CONSERVATION STORAGE DATA FOR



Figures are based on the end of the month data at 114 major reservoirs that represent 96 percent of the total conservation storage capacity of the 188 major water supply reservoirs in Texas. Major reservoirs are defined as having a conservation storage capacity of 5,000 acre-feet or greater.

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake or Reservoir	Conservation Storage Capacity (acre-feet)	Conservation Storage end of June 2014 (acre-feet)	(%)	Change since end of May 2014 (acre-feet)	(%)	Change since end of June 2013 (acre-feet)	(%)
HIGH PLAINS							
Palo Duro Reservoir	61,066	1,917	3	126	0	-409	-1
Meredith, Lake (Texas)	500,000	8,325	2	8,325	2	8,325	2
Meredith, Lake (Texas & Oklahoma)	779,556	8,325	1	8,325	1	8,325	1
MacKenzie Reservoir	46,450	3,597	8	1,367	3	972	2
White River Lake	29,880	175	1	7	0	-209	-1
TOTAL	637,396	14,014	2	9,825	2	8,679	1
LOW ROLLING PLAINS							
Greenbelt Lake	59,968	7,820	13	-148	-0	-1,062	-2
*Electra, Lake	5,626	No Data					
N. Fork Buffalo Crk Reservoir	15,400	No Data					
Kemp, Lake	268,811	62,452	23	-558	-0	-860	-0
Millers Creek Reservoir	26,768	2,797	10	-298	-1	-3,257	-12
Alan Henry Reservoir	94,808	57,565	61	660	1	-6,322	-7
Stamford, Lake	51,570	6,184	12	384	1	-4,588	-9
J B Thomas, Lake	199,931	2,751	1	520	0	-771	-0
Fort Phantom Hill, Lake	70,030	27,493	39	-251	-0	-5,209	-7
Sweetwater, Lake	12,267	2,125	17	-80	-1	-879	-7
Colorado City, Lake	30,758	7,941	26	7	0	-1,681	-5
Champion Creek Reservoir	41,580	3,057	7	49	0	-469	-1
Abilene, Lake	7,900	266	3	0	0	-471	-6
Coleman, Lake	38,075	13,545	36	-433	-1	-1,781	-5
Hords Creek Lake	8,443	2,626	31	-71	-1	140	2
TOTAL	910,909	196,622	22	-219	-0	-19,390	-2
NORTH CENTRAL							
Nocona, Lake (Farmers Crk)	21,444	8,022	37	188	1	-2,515	-12
Hubert H Moss Lake	24,058	20,125	84	-285	-1	-1,657	-7
Texoma, Lake (Texas)	1,258,113	1,046,202	83	58,619	5	-211,911	-17
Texoma, Lake (Texas & Oklahoma)	2,525,281	1,046,202	41	58,619	2	-211,911	-8
*Pat Mayse Lake	113,683	95,624	84	51	0	-2,442	-2
Kickapoo, Lake	86,345	22,901	27	-1,376	-2	-9,045	-10
Arrowhead, Lake	230,359	48,987	21	-4,963	-2	-31,721	-14
Bonham, Lake	11,027	8,605	78	37	0	-1,953	-18
Crook, Lake	9,195	9,007	98	-73	-1	114	1
Amon G Carter, Lake	19,266	8,305	43	48	0	-2,866	-15
Ray Roberts, Lake	788,167	558,405	71	-9,753	-1	-109,935	-14
Jim Chapman Lake (Cooper)	260,332	138,980	53	-7,389	-3	12,480	5
Graham, Lake	45,288	19,836	44	-826	-2	-10,092	-22
*Lost Creek Reservoir	11,950	7,978	67	-83	-1	-1,663	-14
Bridgeport, Lake	366,236	151,861	41	-74	-0	-30,568	-8
Lewisville Lake	563,228	370,519	66	-3,779	-1	-66,557	-12
Lavon Lake	406,388	204,908	50	-4,277	-1	-61,514	-15
Hubbard Creek Reservoir	318,067	58,719	18	-4,297	-1	-17,201	-5
Possum Kingdom Lake	540,340	330,378	61	2,550	0	-53,406	-10
*Mineral Wells, Lake	6,760	3,785	56	0	0	-829	-12
Weatherford, Lake	17,812	10,760	60	-239	-1	-1,158	-7
Eagle Mountain Lake	179,880	123,807	69	4,911	3	-24,545	-14
Worth, Lake	33,495	23,630	71	1,053	3	531	2
Grapevine Lake	164,703	104,304	63	1,371	1	-21,338	-13
Ray Hubbard, Lake	452,040	301,707	67	-12,485	-3	-86,518	-19
New Terrell City Lake	8,583	7,597	89	-172	-2	1,022	12

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake or Reservoir	Conservation Storage Capacity (acre-feet)	Conservation Storage end of June 2014 (acre-feet)	(%)	Change since end of May 2014 (acre-feet)	(%)	Change since end of June 2013 (acre-feet)	(%)
(North Central Continue)							
Palo Pinto, Lake	26,827	5,728	21	-488	-2	-8,997	-34
Benbrook Lake	85,648	75,033	88	5,300	6	0	0
Arlington, Lake	40,188	37,975	94	-1,542	-4	1,000	2
Joe Pool Lake	175,358	173,218	99	591	0	3,985	2
*Cisco, Lake	25,895	13,429	52	-212	-1	4,455	17
Leon, Lake	26,476	19,414	73	-478	-2	1,881	7
Granbury, Lake	128,046	98,026	77	32,636	25	17,163	13
Pat Cleburne, Lake	26,008	20,770	80	4,726	18	2,156	8
Waxahachie, Lake	10,780	10,234	95	-189	-2	1,014	9
Bardwell Lake	46,122	45,872	99	2,477	5	9,128	20
Proctor Lake	55,457	21,793	39	-1,567	-3	-13,327	-24
Whitney, Lake	553,344	415,304	75	76,102	14	47,101	9
Aquilla Lake	44,460	44,460	100	6,684	15	14,238	32
Navarro Mills Lake	49,827	49,827	100	0	0	6,355	13
*Halbert, Lake	6,033	4,713	78	-121	-2	576	10
Richland-Chambers Reservoir	1,087,839	819,696	75	18,670	2	14,586	1
*Brownwood, Lake	128,839	68,381	53	-2,382	-2	6,896	5
Waco, Lake	189,567	189,567	100	12,403	7	39,640	21
Limestone, Lake	208,014	208,014	100	0	0	55,815	27
Belton Lake	435,225	342,399	79	9,599	2	-8,689	-2
Stillhouse Hollow Lake	227,771	176,692	78	2,235	1	-5,291	-2
Georgetown, Lake	36,823	20,305	55	-321	-1	-564	-2
Granger Lake	50,779	50,779	100	0	0	2,021	4
Tawakoni, Lake	871,685	575,132	66	-23,753	-3	-94,047	-11
Mountain Creek, Lake	22,850	22,850	100	0	0	0	0
Squaw Creek, Lake	151,250	151,250	100	158	0	0	0
TOTAL	10,647,870	7,345,813	69	159,285	1	-638,192	-6
EAST							
Wright Patman Lake	231,496	231,496	100	-78,886	-34	0	0
*Sulphur Springs, Lake	17,747	17,637	99	-110	-1	2,987	17
Cypress Springs, Lake	66,756	66,723	100	-33	-0	5,608	8
Bob Sandlin, Lake	190,822	182,876	96	-1,437	-1	35,152	18
Caddo, Lake	29,898	28,998	97	-900	-3	1,450	5
Martin, Lake	75,116	74,879	100	-237	-0	10,440	14
Monticello, Lake	34,740	34,232	99	-508	-1	-508	-1
Fork Reservoir, Lake	605,061	519,885	86	-7,691	-1	32,560	5
O the Pines, Lake	268,566	268,566	100	0	0	64,669	24
Cedar Creek Reservoir in Trinity	644,686	549,631	85	4,164	1	32,246	5
Athens, Lake	29,435	29,435	100	0	0	4,831	16
Palestine, Lake	373,199	373,199	100	0	0	13,314	4
Tyler, Lake	73,161	73,161	100	0	0	16,613	23
Murvaul, Lake	38,285	38,285	100	0	0	1,194	3
Jacksonville, Lake	25,670	25,670	100	0	0	519	2
Nacogdoches, Lake	39,522	38,505	97	-1,017	-3	2,237	6
Houston County Lake	17,113	17,113	100	0	0	869	5
Sam Rayburn Reservoir	2,857,077	2,857,077	100	59,460	2	294,376	10
Toledo Bend Reservoir (Texas)	2,245,752	2,185,983	97	15,639	1	111,038	5
Toledo Bend Reservoir (TX & LA)	4,472,900	2,185,983	49	15,639	0	111,038	2
*Livingston, Lake	1,785,348	1,785,348	100	0	0	0	0
B A Steinhagen Lake	66,961	No Data					
Conroe, Lake	416,177	416,177	100	0	0	48,488	12
TOTAL	10,065,627	9,814,876	98	-11,556	-0	2,403,164	24

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

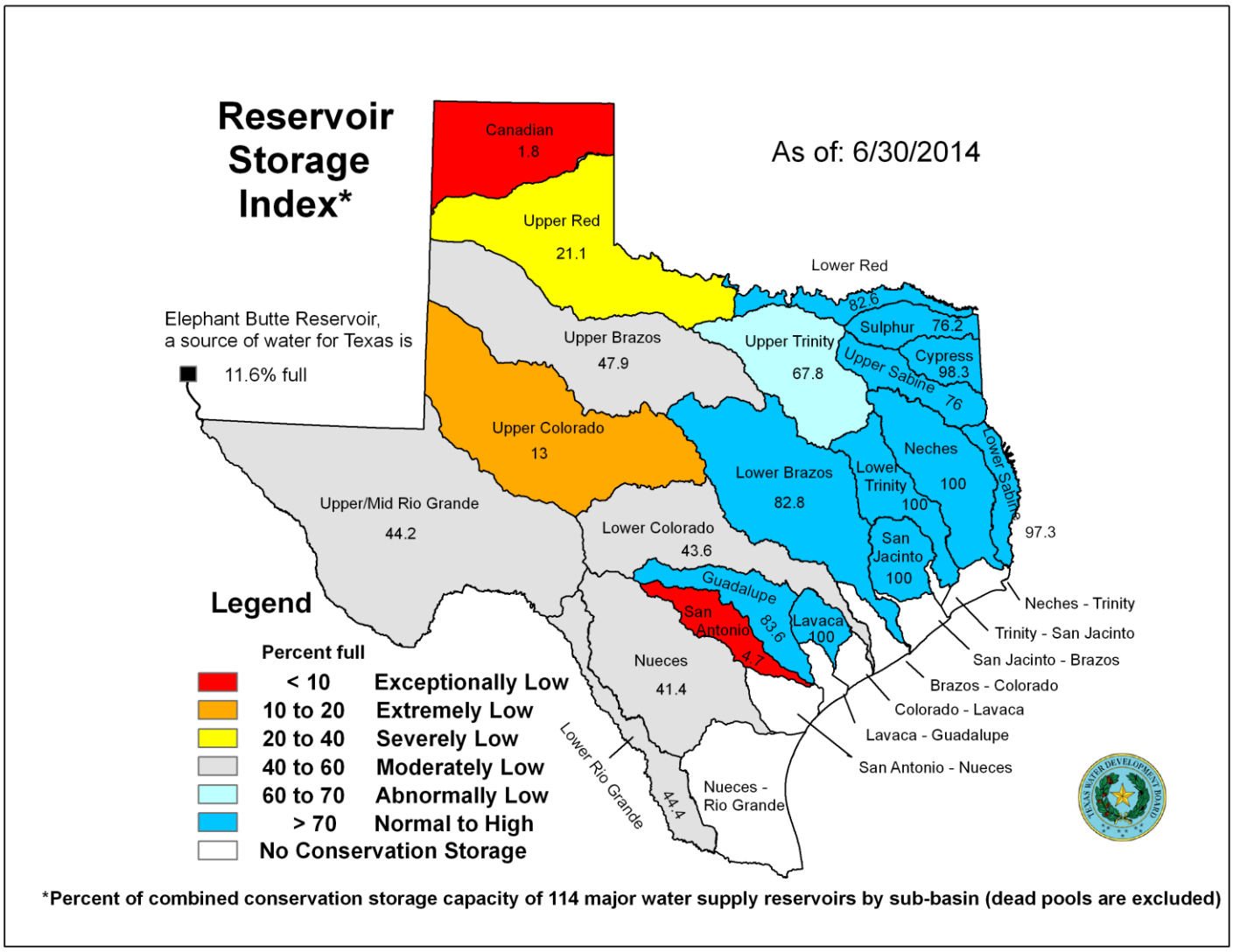
Name of Lake or Reservoir	Conservation Storage Capacity (acre-feet)	Conservation Storage end of June 2014 (acre-feet)	(%)	Change since end of May 2014 (acre-feet)	(%)	Change since end of June 2013 (acre-feet)	(%)
TRANS-PECOS							
Red Bluff Reservoir	151,110	66,830	44	-14,570	-10	42,824	28
TOTAL	151,110	66,830	44	-14,570	-10	42,824	28
EDWARDS PLATEAU							
Oak Creek Reservoir	39,210	7,702	20	-291	-1	-1,907	-5
E V Spence Reservoir	517,272	11,535	2	323	0	-19,836	-4
O C Fisher Lake	119,445	3,286	3	-347	-0	2,088	2
*O H Ivie Reservoir	554,340	107,218	19	-6,870	-1	7,438	1
Twin Buttes Reservoir	182,454	13,924	8	1,339	1	11,787	6
Brady Creek Reservoir	28,808	9,013	31	-416	-1	2,460	9
Buchanan, Lake	816,904	342,000	42	5,638	1	19,524	2
Inks, Lake	13,962	12,892	92	-15	-0	-121	-1
Lyndon B Johnson, Lake	115,056	110,696	96	61	0	487	0
*Amistad Reservoir (Texas)	1,840,849	1,011,467	55	104,221	6	327,719	18
*Amistad Reservoir (TX & Mexico)	3,275,532	1,011,467	31	104,221	3	327,719	10
TOTAL	4,228,300	1,629,733	39	103,643	2	349,639	8
SOUTH CENTRAL							
Travis, Lake	1,113,348	417,190	37	6,941	1	28,739	3
*Austin, Lake	23,972	22,911	96	-201	-1	77	0
Somerville Lake	147,104	147,104	100	0	0	37,911	26
Canyon Lake	378,781	314,167	83	-1,746	-0	7,419	2
Medina Lake	254,823	11,990	5	111	0	-1,404	-1
*Coleto Creek Reservoir	31,040	28,597	92	-778	-3	5,634	18
TOTAL	1,949,068	941,959	48	4,327	0	78,376	4
UPPER COAST							
Houston, Lake	120,686	120,686	100	0	0	0	0
Texana, Lake	159,566	159,566	100	0	0	17,442	11
TOTAL	280,252	280,252	100	0	0	17,442	6
SOUTHERN							
Choke Canyon Reservoir	695,262	213,000	31	-5,150	-1	-61,702	-9
Corpus Christi, Lake	256,961	180,849	70	-28,716	-11	118,203	46
*Falcon Reservoir (Texas)	1,551,007	495,635	32	24,277	2	60,288	4
*Falcon Reservoir (TX & Mexico)	2,646,817	495,635	19	24,277	1	60,288	2
TOTAL	2,503,230	889,484	36	-9,589	-0	116,789	5
STATE TOTAL	31,471,264	21,244,176	68	241,166	1	627,083	2

* Conservation volume is used as conservation storage capacity because the dead storage is unknown.
** No reading available. Last valid reading was near empty. Percentage estimated assuming current storage is zero.

Elephant Butte Reservoir	1,973,358	229,122	12	-135,880	-7	156,651	8

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.

JUNE RESERVOIR CONDITIONS

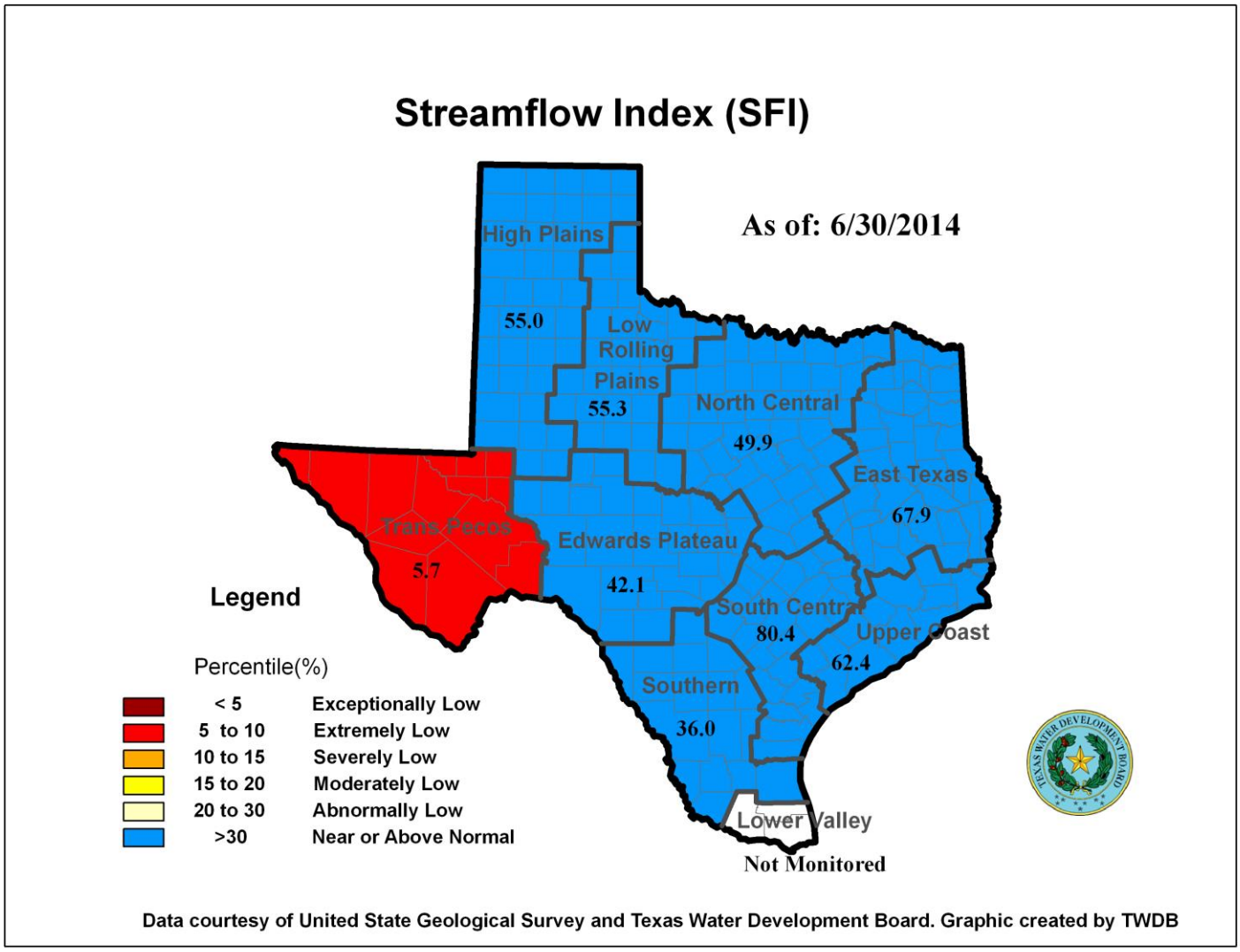


*Percent of combined conservation storage capacity of 114 major water supply reservoirs by sub-basin (dead pools are excluded)

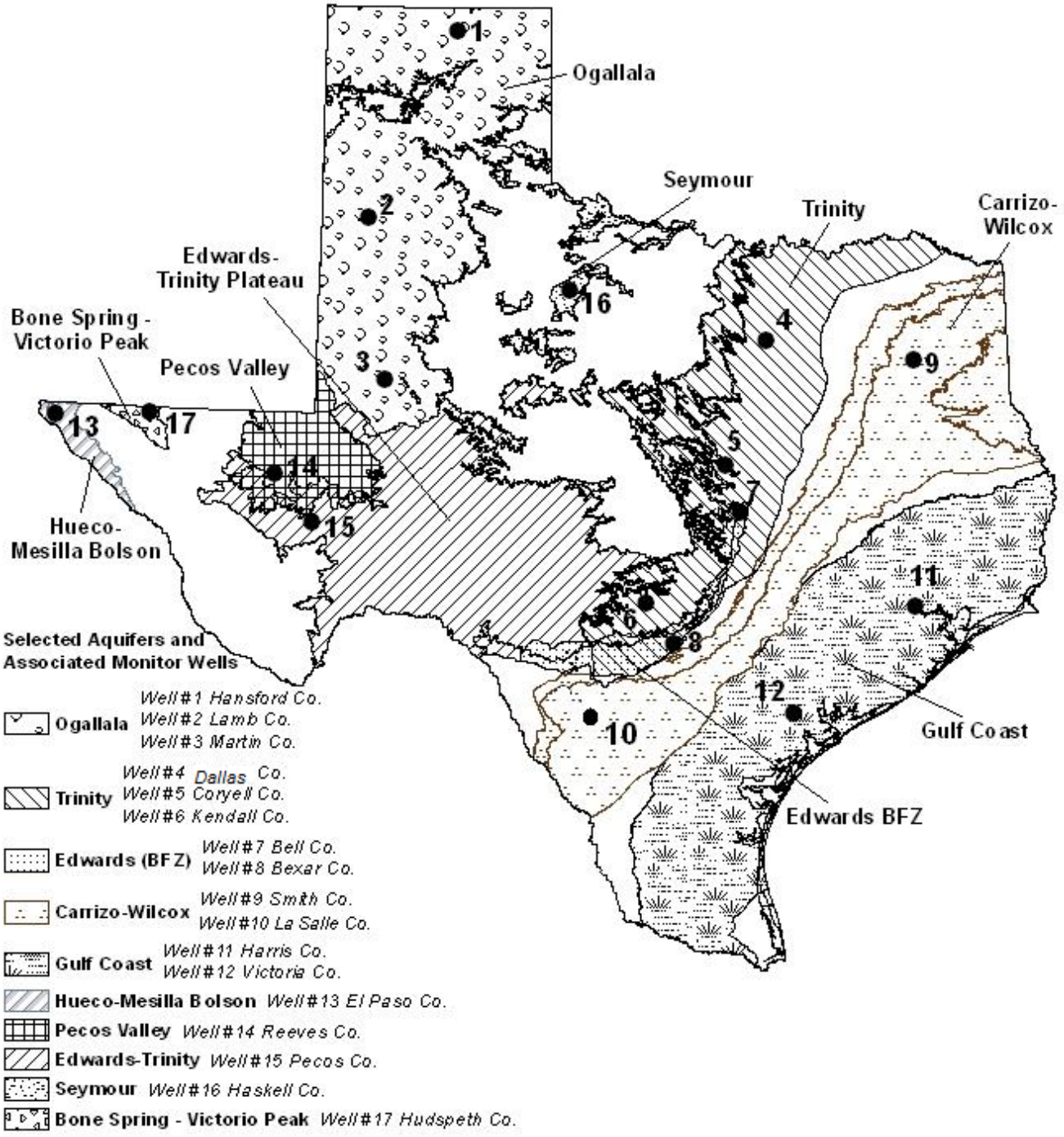
JUNE STREAMFLOW CONDITIONS

Of 29 reporting index stations monitored this month, computed 30-day mean flows were exceptionally low (<5%) at 1 station, extremely low (5-10%) at 3 stations, moderately low (15-20%) at 1 station, abnormally low (20-30%) at 3 stations, and near normal (30% - 70%) at the remaining 21 stations. Compared to last month, flows have increased at 17 index stations and decreased at 11 stations.

On a regional basis, flows in this month at index stations were exceptionally low in the Trans-Pecos region but near or above normal in all other regions. Streamflow in the Lower Valley region is not monitored.



JUNE 2014 GROUNDWATER LEVELS IN OBSERVATION WELLS



June, 2014

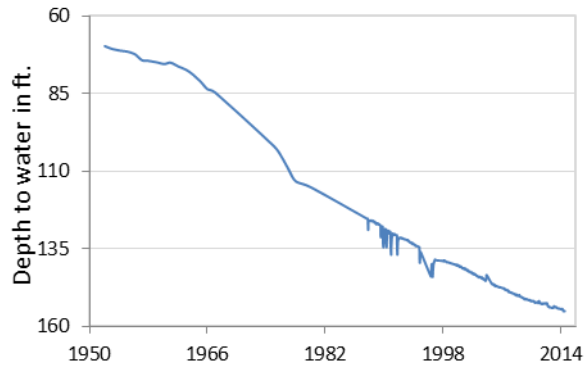
Water level measurements were available for sixteen of the seventeen key monitoring wells in the state. Water levels rose in four of the monitoring wells since the beginning of June, ranging from 0.42 feet in the El Paso County Hueco-Mesilla Bolson Aquifer well to 1.74 feet in the Coryell County Trinity Aquifer well. Water levels remained unchanged in the Smith County Carrizo-Wilcox Aquifer well and declined in twelve monitoring wells, ranging from 0.04 feet in the Lamb County Ogallala Aquifer well to 5.95 feet in the Pecos County Edwards-Trinity Aquifer well. The J-17 well in San Antonio recorded a water level of 90.91 feet below land surface or 640.09 feet above mean sea level. This water level is 0.09 feet above the Stage III critical management level in that segment of the Edwards Aquifer. Stage III restrictions were declared by the EAA when the ten-day average fell below the 640-foot elevation, or 91 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.**

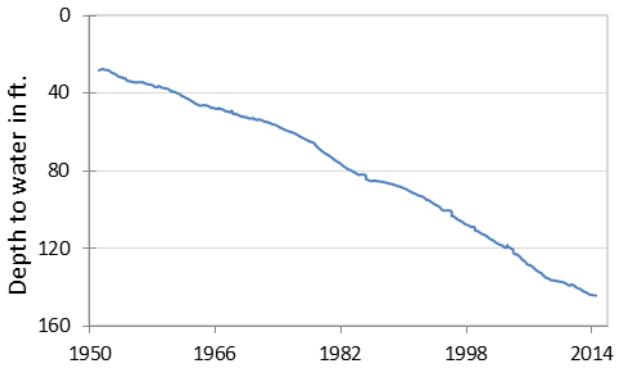
Monitoring Well	June	May	month change	year change	historical change	first measured
(1) Hansford 0354301	155.05	154.93	-0.12	-1.05	-84.93	1951
(2) Lamb 1053602	144.38	144.34	-0.04	-0.88	-116.23	1951
(3) Martin 2739903	NA	142.57	NA	NA	-37.68	1964
(4) Dallas 3319101	487.23	487.66	0.43	0.82	-265.23	1954
(5) Coryell 4035404	501.57	503.31	1.74	2.03	-209.57	1955
(6) Kendall 6802609	137.08	135.7	-1.38	9.43	-77.08	1975
(7) Bell 5804816	125.88	125.7	-0.18	3.13	-2.75	2008
(8) Bexar 6837203	90.91	88.01	-2.9	-4.05	-44.27	1932
(9) Smith 3430907	437.93	437.93	0	0.73	-71.93	1987
(10) La Salle 7738103	491.02	491.46	0.44	-13.92	-237.95	2003
(11) Harris 6514409	192.6	190.89	-1.71	0.23	-57.7	1956
(12) Victoria 8017502	35.55	34.57	0.98	-0.66	-1.55	1958
(13) El Paso 4913301	295.9	296.32	0.42	-2.05	-64	1967
(14) Reeves 4644501	161.52	160.18	-1.34	-4.73	-69.43	1952
(15) Pecos 5216802	232.5	226.55	-5.95	-5.23	14.38	1976
(16) Haskell 2135748	48.79	48.73	-0.06	-0.89	-7.46	2002
(17) Hudspeth 4807516	150.49	147.09	-3.4	-3.04	-46.57	1964

JUNE GROUNDWATER LEVELS IN OBSERVATION WELLS

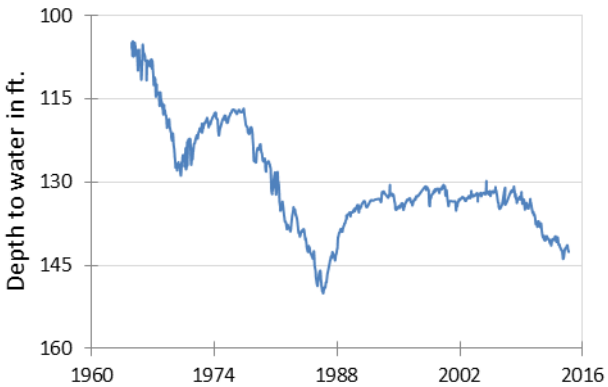
(1) State Well ID 03-54-301
Near Spearman, Hansford County
Ogallala Aquifer



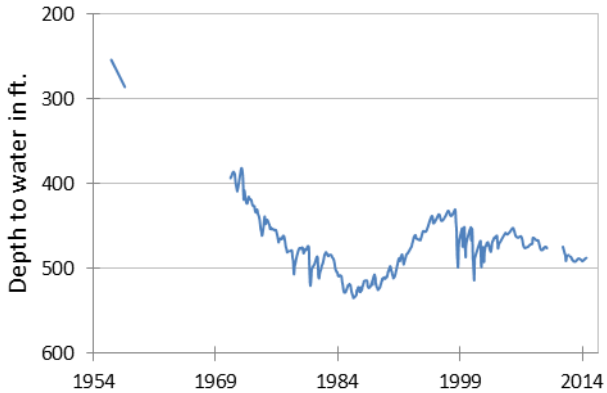
(2) State Well ID 10-53-602
Near Earth, Lamb County
Ogallala Aquifer



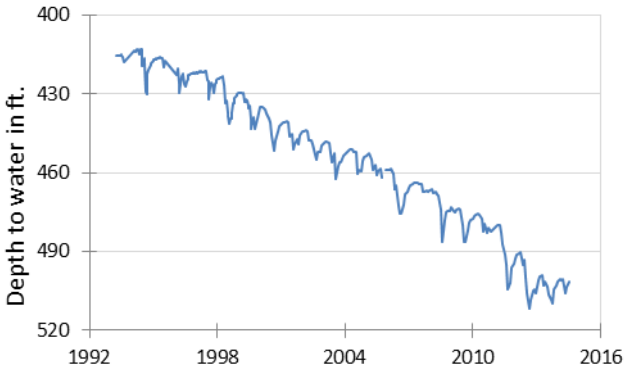
(3) State Well ID 27-39-903
Northwest Martin County
Ogallala Aquifer



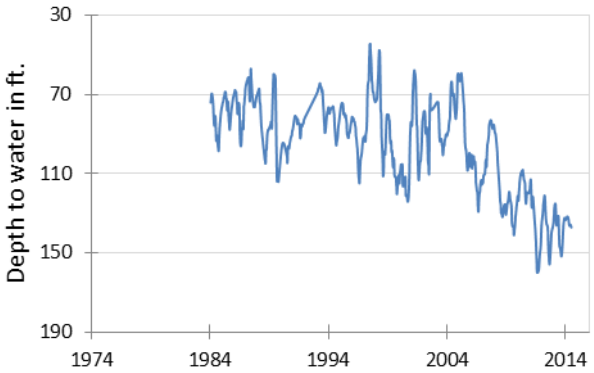
(4) State Well ID 33-19-101
Southeast Dallas, Dallas County
Twin Mountains Formation-Trinity Aquifer



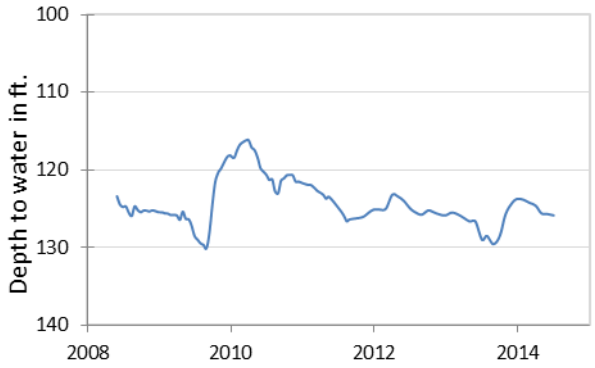
(5) State Well ID 40-35-404
Gatesville, Coryell County
Hosston Formation-Trinity Aquifer



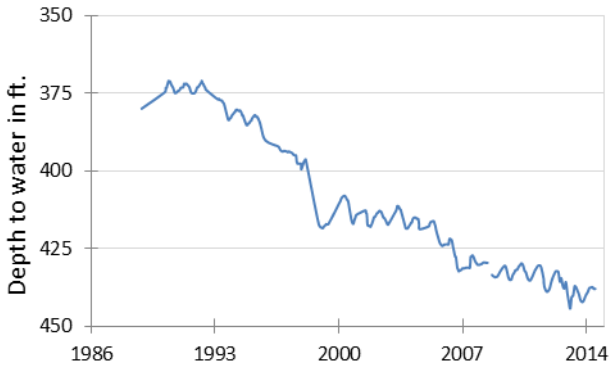
(6) State Well ID 68-02-609
Waring, Kendall County
Cow Creek Formation-Trinity Aquifer



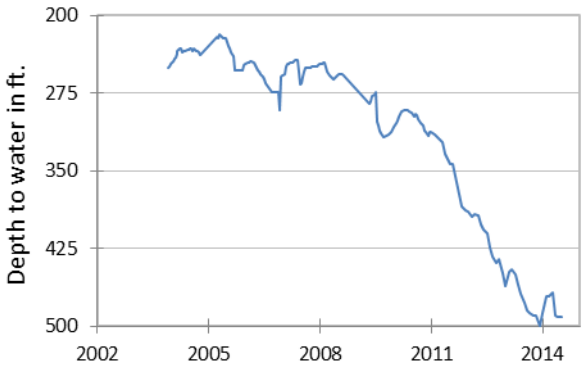
(7) State Well ID 58-04-816
Near Salado, Bell County
Edwards (BFZ) Aquifer



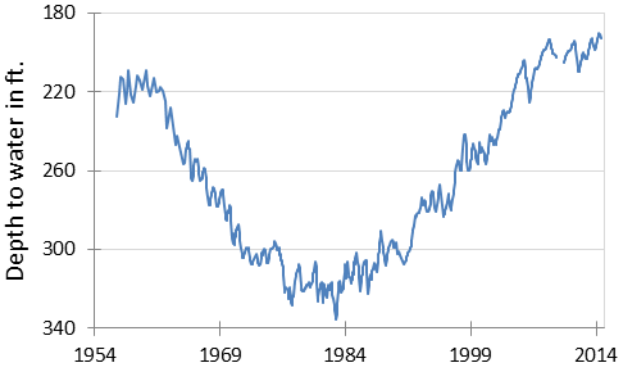
(9) State Well ID 34-30-907
Red Springs, Smith County
Carrizo-Wilcox Aquifer



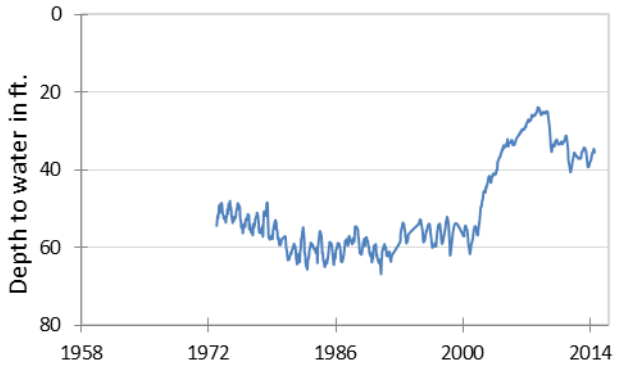
(10) State Well ID 77-38-103
Near Cotulla, La Salle County
Carrizo-Wilcox Aquifer



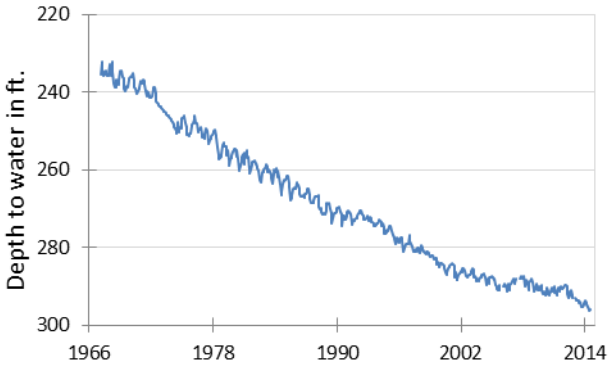
(11) State Well ID 65-14-409
Alief, Harris County
Evangeline Formation-Gulf Coast Aquifer



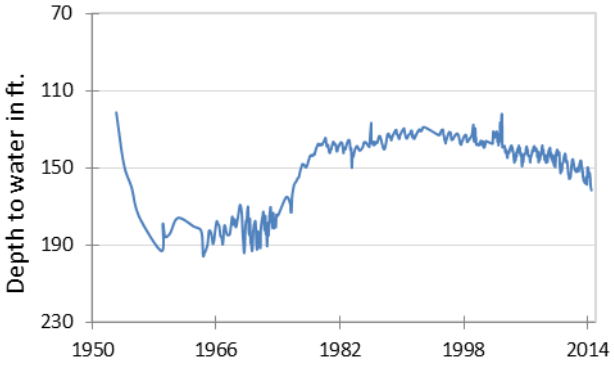
(12) State Well ID 80-17-502
Near Bloomington, Victoria County
Lissie Formation-Gulf Coast Aquifer



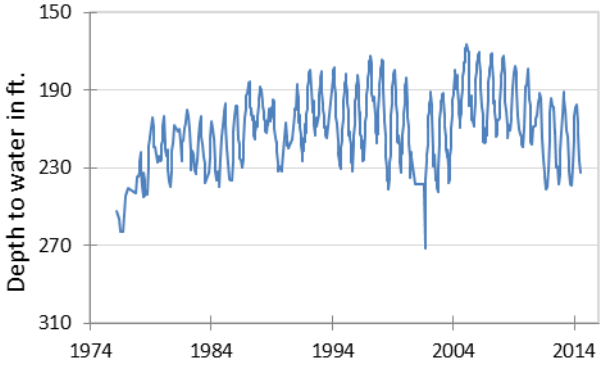
(13) State Well ID 49-13-301
El Paso, El Paso County
Hueco-Mesilla Bolson Aquifer



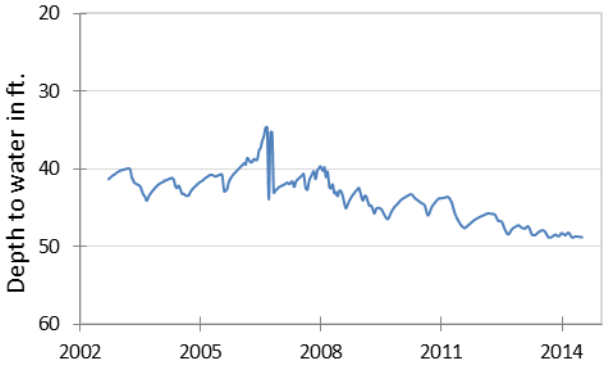
(14) State Well ID 46-44-501
Near Pecos, Reeves County
Pecos Valley Aquifer



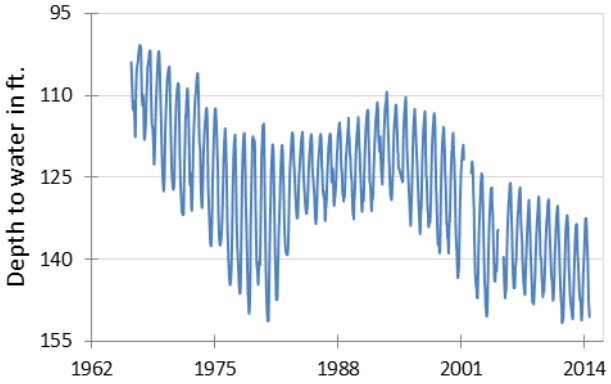
(15) State Well ID 52-16-802
Fort Stockton, Pecos County
Edwards-Trinity (Plateau) Aquifer



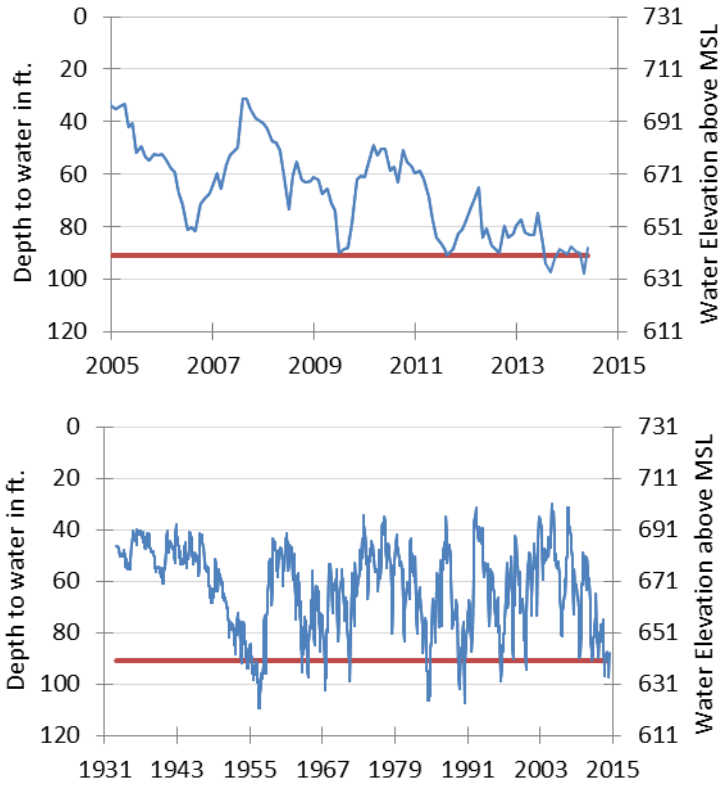
(16) State Well ID 21-35-748
Near O'Brien, Haskell County
Seymour Aquifer



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



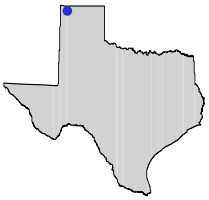
(8) State Well ID 68-37-203 (J-17)
In San Antonio, Bexar County
Edwards (BFZ) Aquifer



The late May water level measurement in this Edwards (BFZ) Aquifer well, elevation 731 feet above mean sea level, was 90.91 feet below land surface, or 640.09 feet above mean sea level. This was 2.9 feet below last month's measurement, 4.05 feet below last year's measurement, and 44.27 feet below the initial measurement recorded in 1932.

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

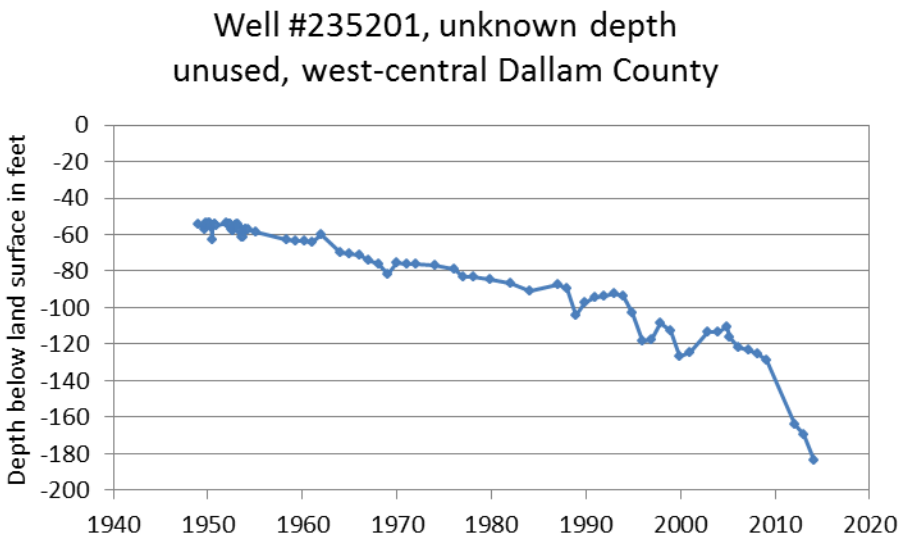
HYDROGRAPH OF THE MONTH



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

Rita Blanca Aquifer

The Rita Blanca Aquifer is a minor aquifer found in the northwest corner of the Texas Panhandle, underlying the Ogallala Aquifer. The aquifer's total area is 922 square miles. Its thickness is as much as 250 feet, and freshwater saturated thickness averages about 180 feet. Groundwater occurs in the coarse-grained sand and gravel layers of the Lytle and Dakota formations as well as in the Exeter Sandstone and the Morrison Formation. Water in the aquifer is usually fresh, containing less than 1,000 milligrams per liter of total dissolved solids, but very hard; although some parts of the aquifer produce water that is slightly saline, containing more than 1,000 milligrams per liter of total dissolved solids. The majority of the groundwater usage in the aquifer comes from irrigation, and the only community that uses the aquifer for municipal water supply is Texline.



Water levels in municipal wells have historically remained stable, while water levels in irrigation wells have declined steadily. The water level in this former irrigation well has declined nearly 130 feet since the original measurement in 1948.

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