

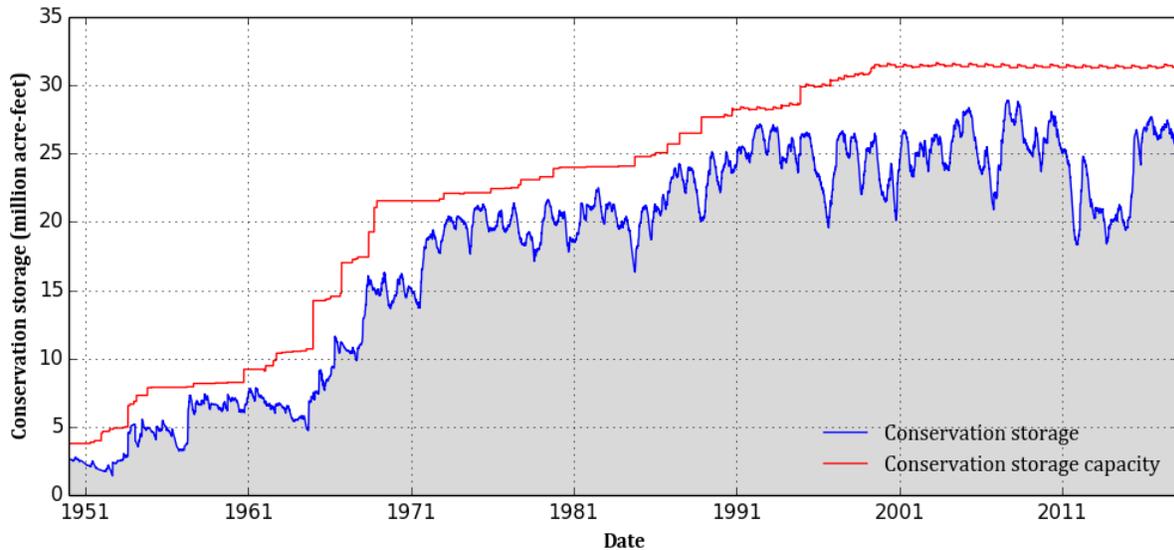
**February 2018 RESERVOIR STORAGE\***

At the end of February 2018, total conservation storage\* in 118 of the state’s major water supply reservoirs was 27.07 million acre-feet or 84 percent of total conservation storage capacity. This is approximately 1.26 million acre-feet more than a month ago but 0.01 million acre-feet less than storage at this time last year.

Fifty-two (52) reservoirs held 100 percent of conservation storage capacity, primarily in the North Central (29 reservoirs) and East (21 reservoirs) regions. Two reservoirs, Palo Duro (1 percent) and Twin Buttes (7 percent) remained below 10 percent full.

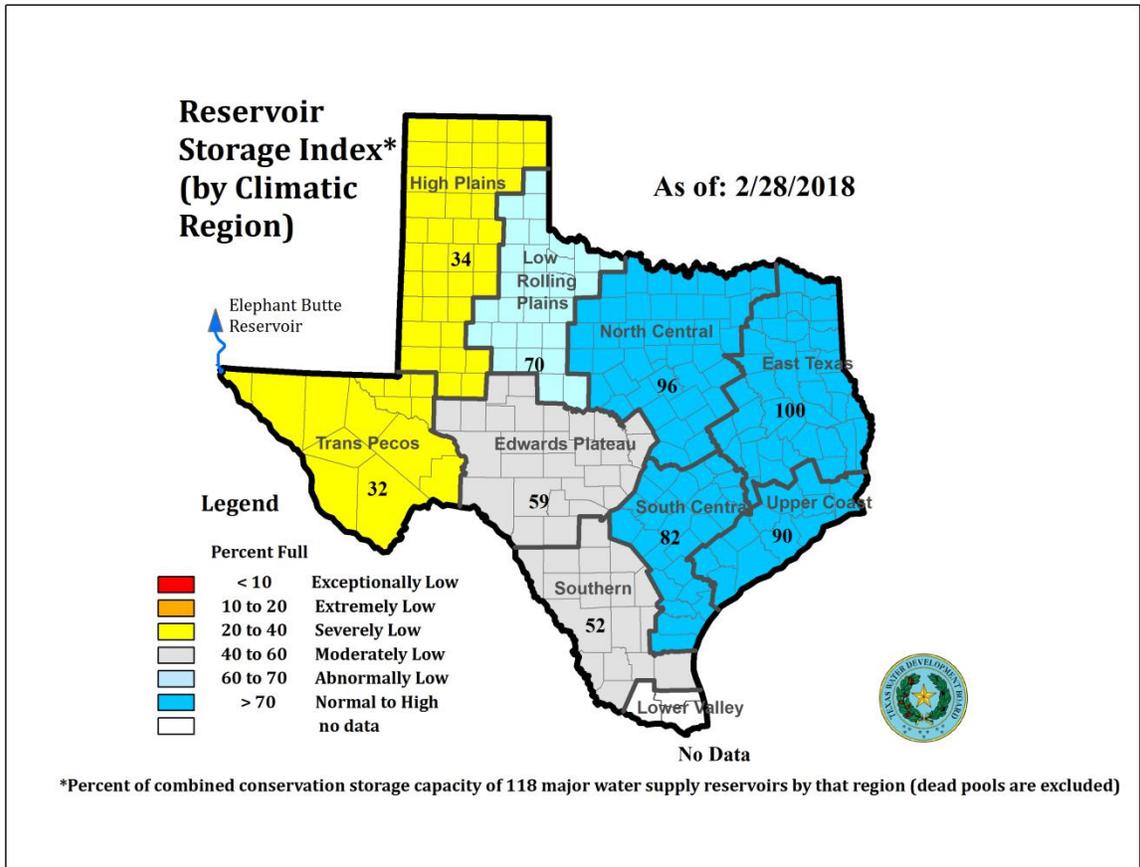
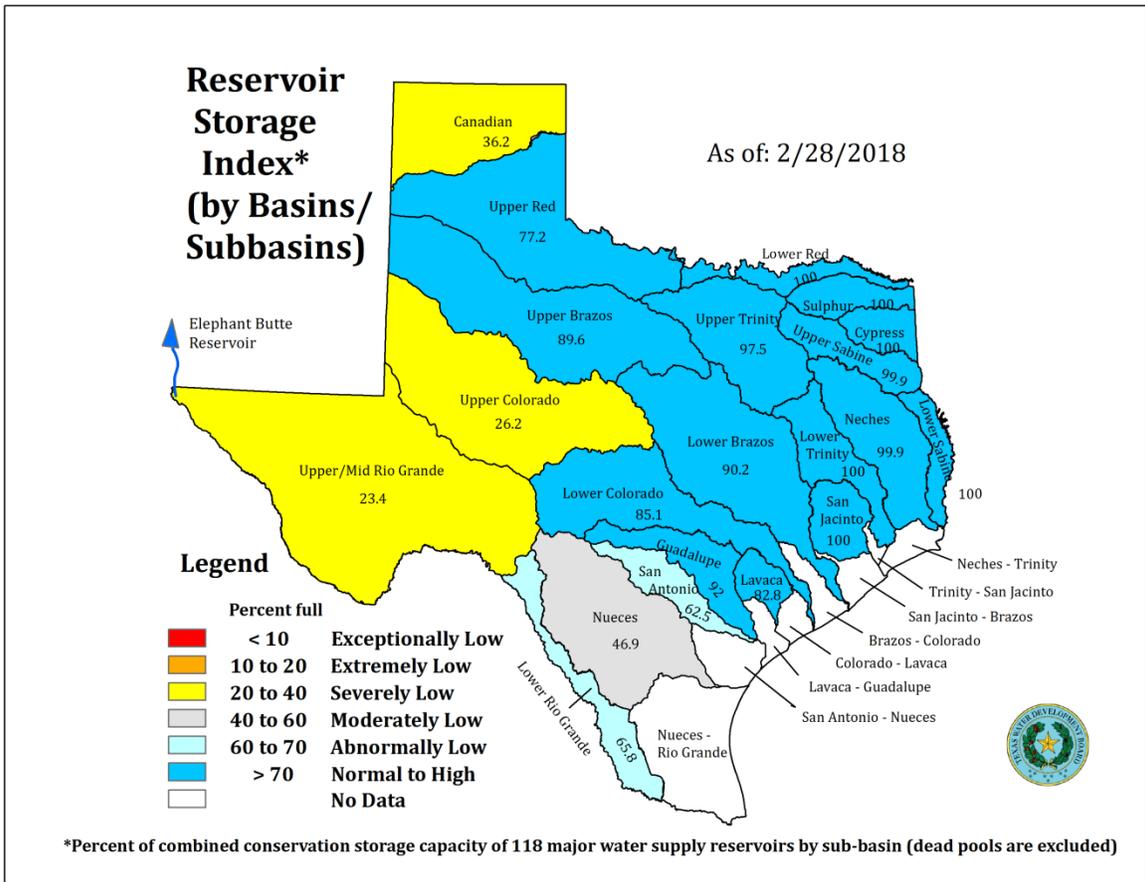
Total combined storage was at or above normal (storage  $\geq$ 70 percent) in the East (100 percent), Upper Coast (90 percent), North Central (96 percent), South Central (82 percent), and Low Rolling Plains (70 percent) regions. The High Plains (34 percent) and Trans-Pecos (32 percent) regions had the lowest percentage of storage. Overall, storage increased in four and decreased in five regions over the past month.

**Statewide monitored major water supply reservoir conservation storage**



\*Storage is based on end of the month data in 118 major reservoirs that represent 96 percent of the total conservation storage capacity of 188 major water supply reservoirs in Texas plus Elephant Butte reservoir in New Mexico. Major reservoirs are defined as having a conservation storage capacity of 5,000 acre-feet or greater. Only the Texas share of storage in border reservoirs is counted.

**FEBRUARY 2018 RESERVOIR CONDITIONS**



\*Reservoir Storage Index is defined as the percent full of conservation storage capacity.

## CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of lake or reservoir	Conservation storage capacity		Conservation storage end of February 2018		Change since end of January 2018		Change since end of February 2017	
	(acre-feet)	(acre-feet)	(%)	(acre-feet)**	(%)	(acre-feet)**	(%)	
<b>HIGH PLAINS</b>								
MacKenzie Reservoir	46,450	6,735	14	-44	-0	-138	-0	
Meredith, Lake	500,000	202,536	41	-806	-0	83,463	17	
Palo Duro Reservoir	61,066	513	1	-82	-0	-421	-1	
White River Lake	29,880	5,569	19	-160	-1	-1,867	-6	
<b>TOTAL</b>	<b>637,396</b>	<b>215,353</b>	<b>34</b>	<b>-1,092</b>	<b>-0</b>	<b>81,037</b>	<b>13</b>	
<b>LOW ROLLING PLAINS</b>								
Abilene, Lake	7,900	4,329	55	-148	-2	-3,487	-44	
Alan Henry Reservoir	94,808	79,288	84	-793	-1	-11,462	-12	
Champion Creek Reservoir	41,580	19,183	46	-104	-0	3,402	8	
Coleman, Lake	38,075	33,889	89	486	1	-3,952	-10	
Colorado City, Lake	30,758	12,189	40	-109	-0	-2,345	-8	
Fort Phantom Hill, Lake	70,030	61,995	89	251	0	-8,035	-11	
Greenbelt Lake	59,968	15,091	25	-156	-0	-1,376	-2	
Hords Creek Lake	8,443	5,337	63	0	0	-2,023	-24	
J. B. Thomas, Lake	199,931	92,428	46	-2,033	-1	-33,942	-17	
Kemp, Lake	245,307	221,888	90	436	0	-23,419	-10	
Millers Creek Reservoir	26,768	24,261	91	-42	-0	-2,507	-9	
North Fork Buffalo Creek Reservoir	15,400	11,274	73	176	1	-1,147	-7	
Stamford, Lake	51,570	47,412	92	-241	-0	-2,051	-4	
Sweetwater, Lake	12,267	2,362	19	0	0	-495	-4	
<b>TOTAL</b>	<b>902,805</b>	<b>630,926</b>	<b>70</b>	<b>-2,277</b>	<b>-0</b>	<b>-92,839</b>	<b>-10</b>	
<b>NORTH CENTRAL</b>								
Amon G Carter, Lake	19,266	19,266	100	377	2	0	0	
Aquilla Lake	43,243	43,243	100	7,590	18	0	0	
Arlington, Lake	40,188	40,188	100	4,395	11	269	1	
Arrowhead, Lake	230,359	200,766	87	4,795	2	-29,593	-13	
Bardwell Lake	46,122	46,122	100	7,140	15	0	0	
Belton Lake	435,225	404,304	93	8,663	2	-30,921	-7	
Benbrook Lake	85,648	85,648	100	6,810	8	10,716	13	
Bonham, Lake	11,027	11,027	100	1,140	10	2,793	25	
Bridgeport, Lake	366,236	348,115	95	29,605	8	-18,121	-5	
*Brownwood, Lake	128,839	106,998	83	59	0	-21,841	-17	
*Cisco, Lake	29,003	24,027	83	248	1	-2,163	-7	
Crook, Lake	9,195	9,195	100	0	0	219	2	
Eagle Mountain Lake	179,880	179,880	100	17,555	10	0	0	
Georgetown, Lake	36,823	25,200	68	-803	-2	-11,623	-32	
Graham, Lake	45,288	42,848	95	384	1	-2,440	-5	
Granbury, Lake	132,949	132,215	99	2,986	2	-326	-0	
Granger Lake	51,822	51,822	100	0	0	0	0	
Grapevine Lake	164,703	164,703	100	5,224	3	0	0	
*Halbert, Lake	6,033	5,584	93	28	0	139	2	
Hubbard Creek Reservoir	318,067	272,290	86	687	0	-43,118	-14	
Hubert H Moss Lake	24,058	24,058	100	2,194	9	184	1	
Jim Chapman Lake (Cooper)	260,332	260,332	100	29,770	11	60,352	23	
Joe Pool Lake	175,358	175,358	100	6,125	3	0	0	
Kickapoo, Lake	86,345	72,290	84	0	0	-8,305	-10	
Lavon Lake	406,388	406,388	100	54,155	13	44,528	11	
Leon, Lake	27,762	23,634	85	679	2	-361	-1	
Lewisville Lake	563,228	563,228	100	44,441	8	0	0	
Limestone, Lake	203,780	162,613	80	8,268	4	-41,167	-20	
*Lost Creek Reservoir	11,950	11,950	100	440	4	0	0	
*Mineral Wells, Lake	5,273	5,273	100	784	15	0	0	
Mountain Creek, Lake	22,850	22,850	100	0	0	0	0	

**CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS**

Name of lake or reservoir	Conservation storage capacity		Conservation storage end of February 2018		Change since end of January 2018		Change since end of February 2017	
	(acre-feet)	(acre-feet)	(%)	(acre-feet)**	(%)	(acre-feet)**	(%)	
<i>(North Central continued)</i>								
Navarro Mills Lake	49,827	43,561	87	2,861	6	-6,266	-13	
New Terrell City Lake	8,583	8,583	100	538	6	0	0	
Nocona, Lake (Farmers Crk)	21,444	21,444	100	2,444	11	0	0	
Palo Pinto, Lake	26,766	24,334	91	2,839	11	-791	-3	
Pat Cleburne, Lake	26,008	26,008	100	4,916	19	0	0	
*Pat Mayse Lake	113,683	113,683	100	0	0	11,879	10	
Possum Kingdom Lake	538,139	518,712	96	8,306	2	-17,996	-3	
Proctor Lake	54,762	45,083	82	3,436	6	-9,679	-18	
Ray Hubbard, Lake	439,559	439,559	100	22,905	5	11,557	3	
Ray Roberts, Lake	788,167	788,167	100	40,729	5	0	0	
Richland-Chambers Reservoir	1,087,839	1,034,965	95	69,677	6	-50,305	-5	
Squaw Creek, Lake	151,250	151,250	100	0	0	601	0	
Stillhouse Hollow Lake	227,771	204,071	90	1,831	1	-23,700	-10	
Tawakoni, Lake	871,685	871,685	100	27,792	3	96,374	11	
Texoma, Lake (Texas)	1,258,113	1,258,113	100	14,867	1	14,126	1	
Texoma, Lake (Texas & Oklahoma)	2,525,281	2,619,991	100	133,492	5	132,010	5	
Waco, Lake	189,418	170,960	90	13,009	7	-18,458	-10	
Waxahachie, Lake	10,780	10,780	100	1,518	14	0	0	
Weatherford, Lake	17,812	17,563	99	2,298	13	22	0	
Whitney, Lake	553,344	497,304	90	41,377	7	-28,159	-5	
Worth, Lake	33,495	33,495	100	6,041	18	0	0	
<b>TOTAL</b>	<b>10,635,685</b>	<b>10,220,735</b>	<b>96</b>	<b>511,123</b>	<b>5</b>	<b>-111,574</b>	<b>-1</b>	
<b>EAST</b>								
Athens, Lake	29,503	29,503	100	0	0	0	0	
B A Steinhagen Lake	66,961	62,392	93	-4,569	-7	-2,472	-4	
Bob Sandlin, Lake	190,822	190,822	100	692	0	0	0	
Caddo, Lake	29,898	29,898	100	0	0	0	0	
Cedar Creek Reservoir in Trinity	644,686	644,686	100	64,823	10	327	0	
Cherokee, Lake	40,094	40,094	100	0	0	0	0	
Conroe, Lake	410,988	410,988	100	0	0	0	0	
Cypress Springs, Lake	66,756	66,756	100	4,580	7	774	1	
Fork Reservoir, Lake	605,061	605,061	100	30,308	5	52,336	9	
Houston County Lake	17,113	17,113	100	0	0	0	0	
Jacksonville, Lake	25,670	25,670	100	0	0	0	0	
*Livingston, Lake	1,785,348	1,785,348	100	0	0	0	0	
Martin, Lake	75,726	73,808	97	10,705	14	1,167	2	
Monticello, Lake	34,740	33,194	96	3,727	11	-1,546	-4	
Murvaul, Lake	38,285	38,285	100	206	1	1,533	4	
Nacogdoches, Lake	39,522	39,434	100	2,632	7	564	1	
O' the Pines, Lake	241,363	241,363	100	0	0	0	0	
Palestine, Lake	367,303	367,303	100	923	0	0	0	
Sam Rayburn Reservoir	2,857,077	2,857,077	100	291,208	10	162,544	6	
Striker, Lake	16,934	16,934	100	0	0	422	2	
*Sulphur Springs, Lake	17,747	17,747	100	0	0	2,768	16	
Toledo Bend Reservoir (Texas)	2,236,450	2,236,450	100	338,414	15	221,350	10	
Toledo Bend Reservoir (Texas & Louisiana)	4,472,900	4,621,628	100	821,456	18	587,328	13	
Tyler, Lake	72,073	72,073	100	0	0	0	0	
Wright Patman Lake	122,593	122,593	100	0	0	0	0	
<b>TOTAL</b>	<b>10,032,713</b>	<b>10,024,592</b>	<b>100</b>	<b>743,649</b>	<b>7</b>	<b>439,767</b>	<b>4</b>	

## CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of lake or reservoir	Conservation storage capacity (acre-feet)	Conservation storage end of February 2018		Change since end of January 2018		Change since end of February 2017	
		(acre-feet)	(%)	(acre-feet)**	(%)	(acre-feet)**	(%)
<b>TRANS-PECOS</b>							
Elephant Butte Reservoir (Texas)	852,491	208,644	24	10,810	1	81,798	10
Elephant Butte Reservoir (Texas & New Mexico)	1,973,358	482,972	24	25,023	1	189,348	10
Red Bluff Reservoir	151,110	111,176	74	61	0	-22,349	-15
<b>TOTAL</b>	<b>1,003,601</b>	<b>319,820</b>	<b>32</b>	<b>10,871</b>	<b>1</b>	<b>59,449</b>	<b>6</b>
<b>EDWARDS PLATEAU</b>							
*Amistad Reservoir (Texas)	1,840,849	1,389,138	75	-2,752	-0	-111,201	-6
*Amistad Reservoir (Texas & Mexico)	3,275,532	2,017,983	62	12,429	0	-110,669	-3
Brady Creek Reservoir	28,808	16,121	56	366	1	-2,746	-10
Buchanan, Lake	860,607	770,874	90	8,916	1	-46,248	-5
E. V. Spence Reservoir	517,272	63,678	12	-860	-0	-7,225	-1
Inks, Lake	13,962	12,847	92	5,076	36	-23	-0
Lyndon B Johnson, Lake	115,249	110,636	96	-61	-0	427	0
Marble Falls, Lake	6,901	6,793	98	6	0	27	0
Nasworthy	9,615	8,147	85	-49	-1	618	6
Oak Creek Reservoir	39,210	18,935	48	-79	-0	-3,951	-10
O. C. Fisher Lake	119,445	11,640	10	-59	-0	-5,772	-5
*O. H. Ivie Reservoir	554,340	105,359	19	-273	-0	-31,680	-6
Twin Buttes Reservoir	182,454	12,497	7	176	0	-12,472	-7
<b>TOTAL</b>	<b>4,288,712</b>	<b>2,526,665</b>	<b>59</b>	<b>10,407</b>	<b>0</b>	<b>-220,246</b>	<b>-5</b>
<b>SOUTH CENTRAL</b>							
*Austin, Lake	23,972	22,726	95	-46	-0	-216	-1
Canyon Lake	378,781	348,784	92	0	0	-29,997	-8
*Coletto Creek Reservoir	31,040	28,134	91	0	0	-1,710	-6
Medina Lake	254,823	159,284	63	-4,151	-2	-76,396	-30
Somerville Lake	147,104	147,104	100	0	0	0	0
Travis, Lake	1,113,348	899,228	81	-162	-0	-214,120	-19
<b>TOTAL</b>	<b>1,949,068</b>	<b>1,605,260</b>	<b>82</b>	<b>-4,359</b>	<b>-0</b>	<b>-322,439</b>	<b>-17</b>
<b>UPPER COAST</b>							
Houston, Lake	120,686	120,686	100	0	0	0	0
Texana, Lake	159,566	132,174	83	-1,355	-1	-26,841	-17
<b>TOTAL</b>	<b>280,252</b>	<b>252,860</b>	<b>90</b>	<b>-1,355</b>	<b>-0</b>	<b>-26,841</b>	<b>-10</b>
<b>SOUTHERN</b>							
Choke Canyon Reservoir	662,820	195,616	30	-3,841	-1	-65,369	-10
Corpus Christi, Lake	256,062	235,461	92	-3,451	-1	4,002	2
*Falcon Reservoir (Texas)	1,551,007	842,490	54	-626	-0	240,535	16
*Falcon Reservoir (Texas & Mexico)	2,646,817	1,412,290	53	-1,239	-0	610,986	23
<b>TOTAL</b>	<b>2,469,889</b>	<b>1,273,567</b>	<b>52</b>	<b>-7,918</b>	<b>-0</b>	<b>179,168</b>	<b>7</b>
<b>STATEWIDE TOTAL</b>							
<b>STATEWIDE TOTAL</b>	<b>32,200,121</b>	<b>27,069,778</b>	<b>84</b>	<b>1,259,049</b>	<b>4</b>	<b>-14,518</b>	<b>-0</b>

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

\*\*Monthly and yearly changes do not include reservoirs that did not have data in last month or last year, respectively.

### Note:

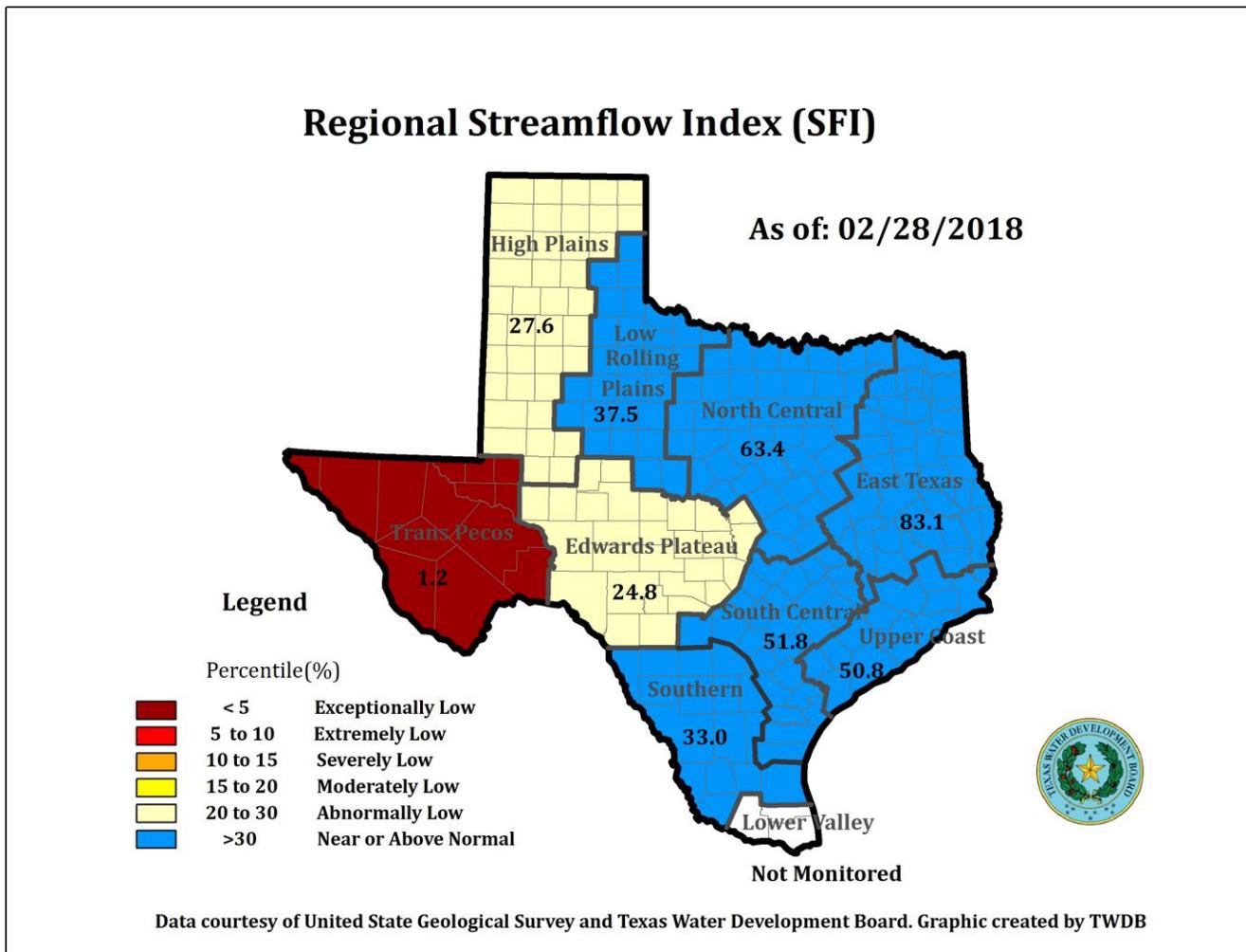
Conservation storage capacity is the space available to store water above the lowest outlet and below the top of conservation pool (some may have seasonal variations), or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not 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 pool 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  $100 * (\text{current conservation storage} - \text{past conservation storage}) / \text{conservation storage capacity}$ .

**FEBRUARY 2018 STREAMFLOW CONDITIONS**

The computed 30-day mean flow status for 29 reporting index stations monitored this month is presented below. Mean flow increased at 19 index stations, decreased at eight stations, and remained unchanged at two stations.

<b>Streamflow Status</b>	<b>Number of Stations</b>
Near or Above Normal (>30%)	19
Abnormally Low (20-30%)	3
Moderately Low (15-20%)	3
Severely Low (10-15%)	1
Extremely Low (5-10%)	0
Exceptionally Low (<5%)	3

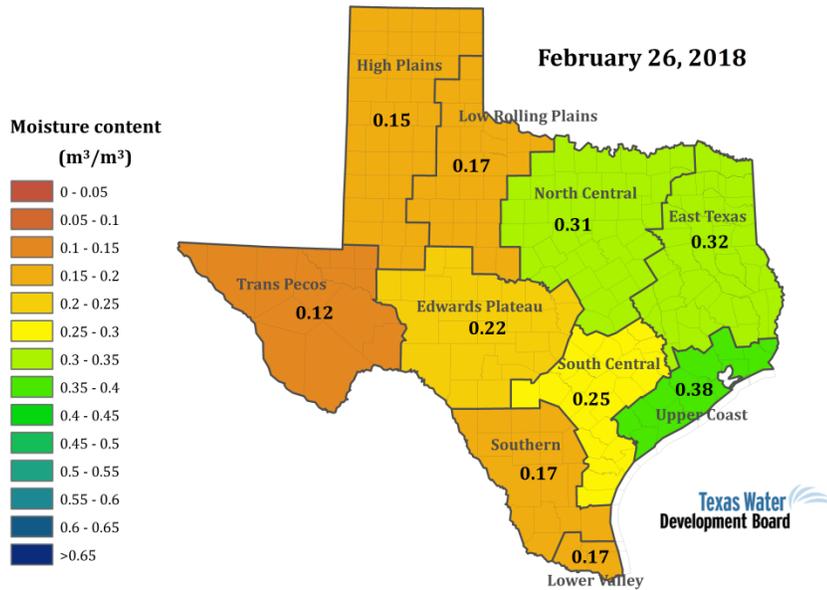
On a regional basis, as shown below, stream flows were near or above normal in the Low Rolling Plains, North Central, East Texas, South Central, Upper Coast, and Southern regions; exceptionally low in the Trans Pecos region; and abnormally low in the High Plains and Edwards Plateau regions. Streamflow in the Lower Valley region is not monitored.



\*Streamflow Index is defined as the percentile flow that exceeds a given percent of observed flows.

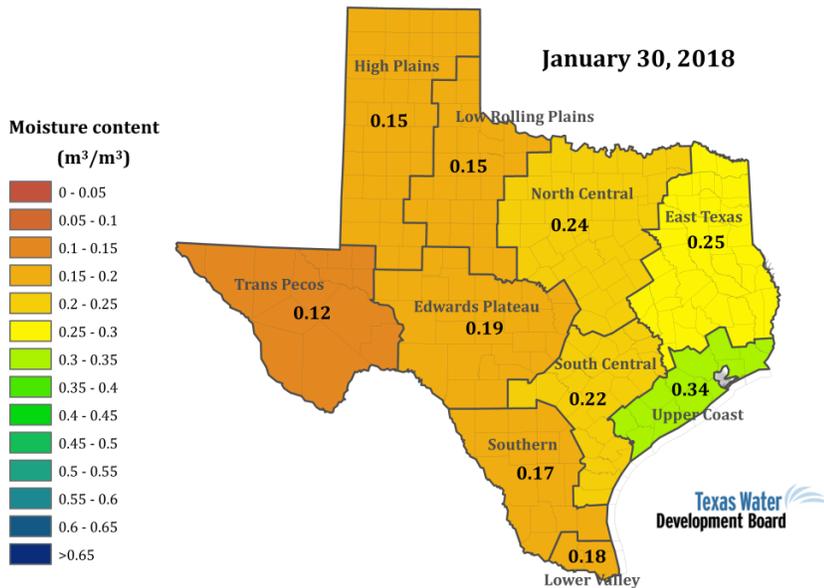
**FEBRUARY 2018 SOIL MOISTURE CONDITIONS**

**Soil Moisture Condition**



Data from NASA Soil Moisture Active Passive (SMAP) Level 4 - Model - Value Added Version 2  
 Soil moisture content is shown as volume of water per unit volume of bulk soil. Root zone: 0 to 1 meter depth.

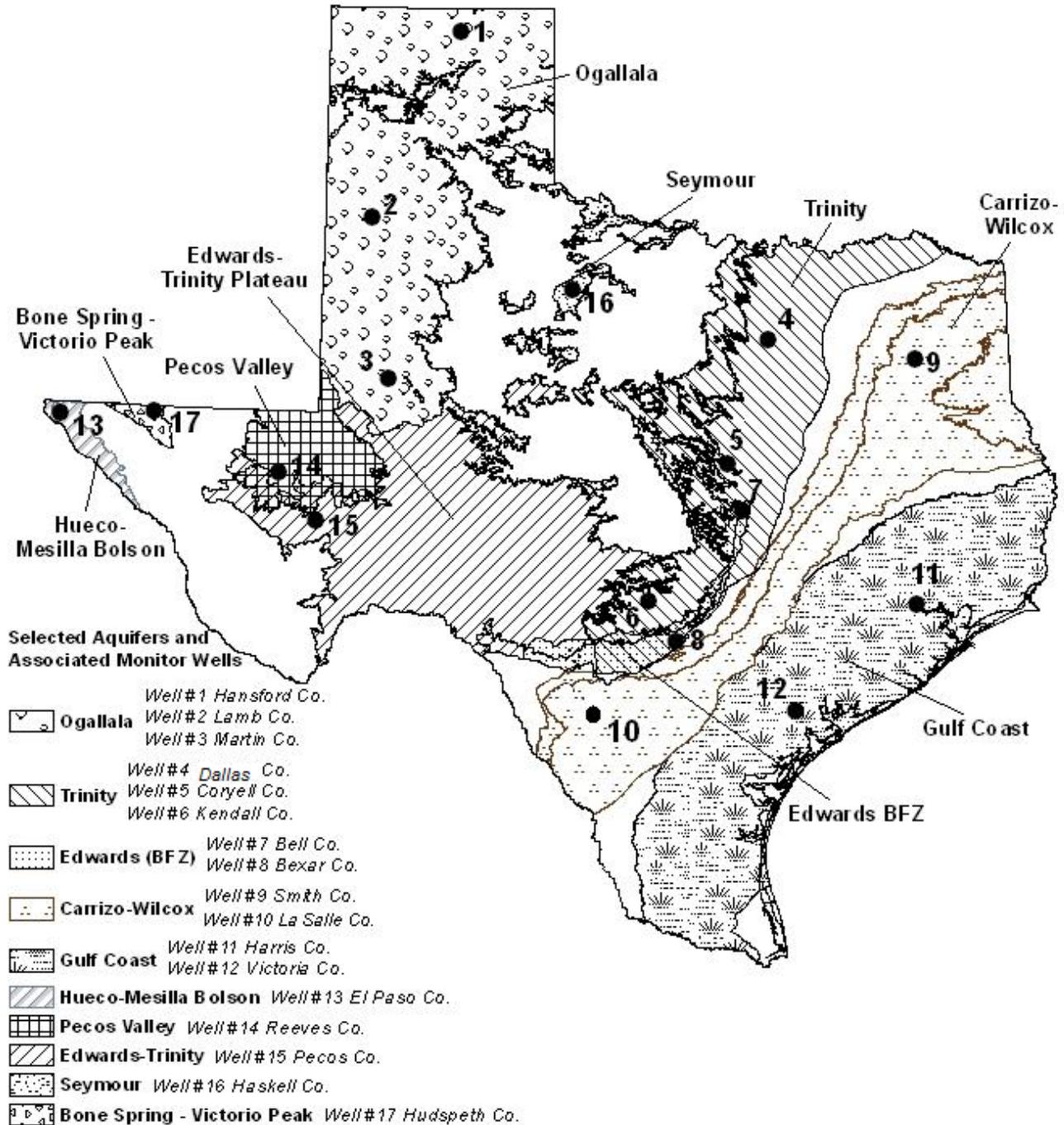
**Soil Moisture Condition**



Data from NASA Soil Moisture Active Passive (SMAP) Level 4 - Model - Value Added Version 2  
 Soil moisture content is shown as volume of water per unit volume of bulk soil. Root zone: 0 to 1 meter depth.

Soil moisture at the end of February 2018 (*top image*), as compared to soil moisture at the end of January 2018 (*bottom image*), increased in six climate regions ranging from 12 - 29 percent with the greatest increases in North Central and East Texas regions, declined in the Lower Valley region by 6 percent, and remained unchanged in three climate regions.

## FEBRUARY 2018 GROUNDWATER LEVELS IN OBSERVATION WELLS



Water-level measurements were available for all 17 key monitoring wells in the state. Water levels rose in 11 monitoring wells since the beginning of February, ranging from an increase of 0.01 feet in the Haskell County Seymour Aquifer well (#16 on map) and the Harris County Gulf Coast Aquifer well (#11 on map) to 6.32 feet in the Kendall County Trinity Aquifer well (#6 on map). Water levels declined in 6 monitoring wells, ranging from a decline of 0.12 feet in the Bell County Edwards (BFZ) Aquifer well (#7 on map) to 13.55 feet in the La Salle County Carrizo-Wilcox Aquifer well (#8 on map). The J-17 well (#8 on map) in San Antonio recorded a water level of 63.91 feet below land surface or 667.09 feet above mean sea level. There are no restrictions currently in place for the San Antonio portion of the Edwards (Balcones Fault Zone) Aquifer, with water levels at 7.09 feet above the Stage I critical management level.

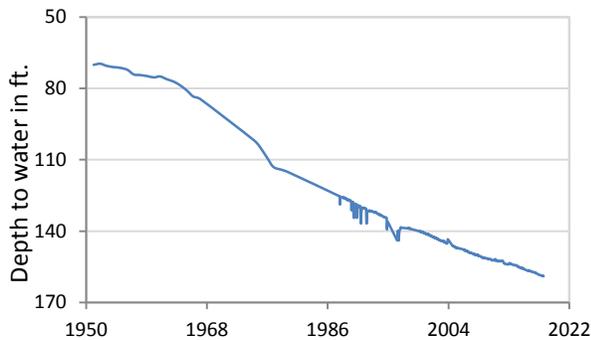
\*IDs used in this publication on the aquifer map to indicate the monitoring well location (IDs 1 - 17) are different than the TWDB's six- or seven-digit state well identification number.

Monitoring Well	February	January	Month Change	Year Change	Historical Change	First Measured
(1) Hansford 0354301	158.99	158.69	-0.30	-1.11	-88.87	1951
(2) Lamb 1053602	148.31	148.16	-0.15	-1.16	-120.14	1951
(3) Martin 2739903	146.19	143.39	0.20	0.03	-38.30	1964
(4) Dallas 3319101	493.78	494.30	0.52	0.48	-271.78	1954
(5) Coryell 4035404	521.73	522.64	0.91	-8.77	-229.73	1955
(6) Kendall 6802609	125.52	131.84	6.32	-15.49	-65.52	1975
(7) Bell 5804816	124.19	124.07	-0.12	-2.81	-0.68	2008
(8) Bexar 6837203	63.91	67.31	3.40	-20.30	-17.27	1932
(9) Smith 3430907	431.81	432.18	0.37	-0.86	-131.81	1987
(10) La Salle 7738103	497.74	484.19	-13.55	-37.11	-244.67	2003
(11) Harris 6514409	192.43	192.44	0.01	2.00	-56.93*	1947**
(12) Victoria 8017502	32.37	33.50	1.13	-0.23	1.63	1958
(13) El Paso 4913301	294.52	294.31	-0.21	0.97	-62.62	1964
(14) Reeves 4644501	160.56	160.80	0.24	1.22	-68.47	1952
(15) Pecos 5216802	186.76	183.64	-3.12	-3.26	60.12	1976
(16) Haskell 2135748	46.60	46.61	0.01	-0.39	-3.60	2002
(17) Hudspeth 4807516	139.59	139.63	0.04	-3.15	-35.67	1966

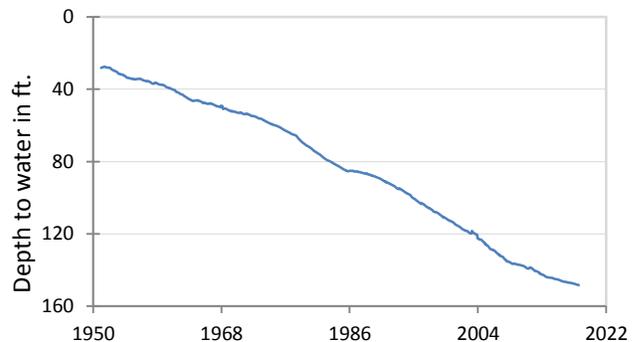
\*Change since the original measurement of 135.5 feet below land surface in 1947 (\*\*measurement not shown on the hydrograph)

## FEBRUARY 2018 GROUNDWATER LEVELS IN OBSERVATION WELLS

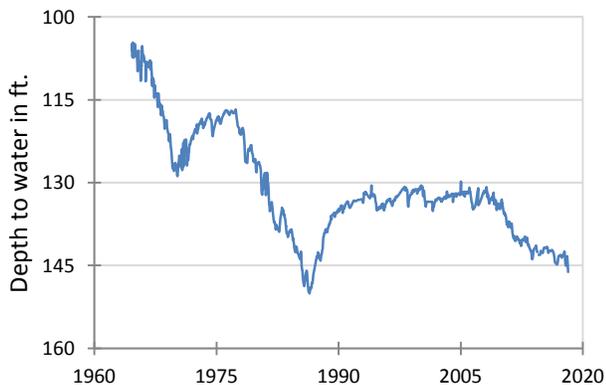
**(1) State Well ID 03-54-301**  
Near Spearman, Hansford County  
Ogallala Aquifer



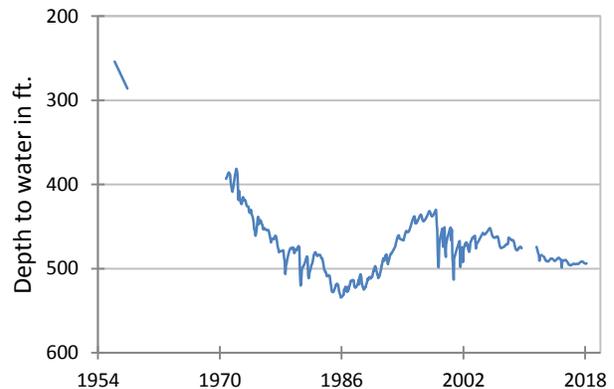
**(2) State Well ID 10-53-602**  
Near Earth, Lamb County  
Ogallala Aquifer



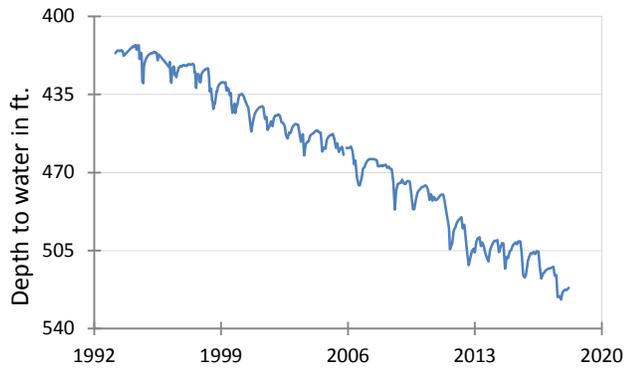
**(3) State Well ID 27-39-903**  
Northwest Martin County  
Ogallala Aquifer



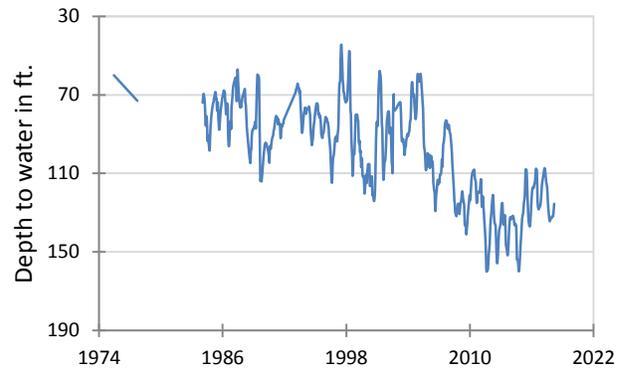
**(4) State Well ID 33-19-101**  
Southeast Dallas, Dallas County  
Twin Mountains Formation-Trinity Aquifer



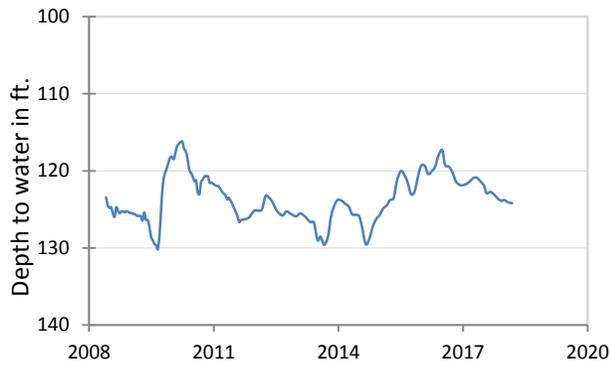
**(5) State Well ID 40-35-404  
Gatesville, Coryell County  
Hosston Formation-Trinity Aquifer**



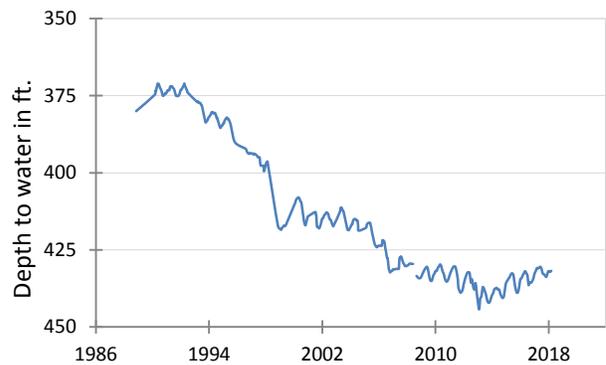
**(6) State Well ID 68-02-609  
Waring, Kendall County  
Cow Creek Formation-Trinity Aquifer**



**(7) State Well ID 58-04-816  
Near Salado, Bell County  
Edwards (Balcones Fault Zone) Aquifer**



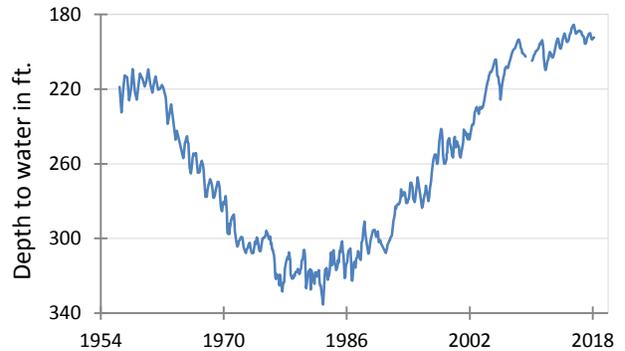
**(9) State Well ID 34-30-907  
Red Springs, Smith County  
Carrizo-Wilcox Aquifer**



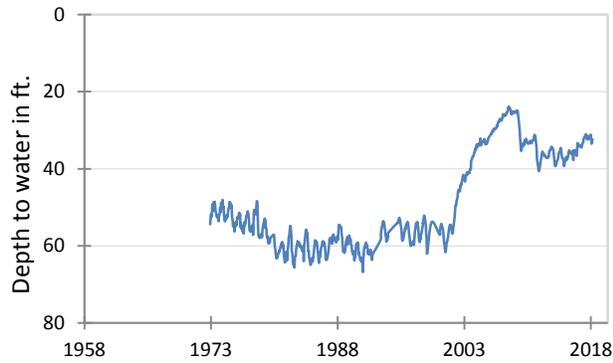
**(10) State Well ID 77-38-103  
Near Cotulla, La Salle County  
Carrizo-Wilcox Aquifer**



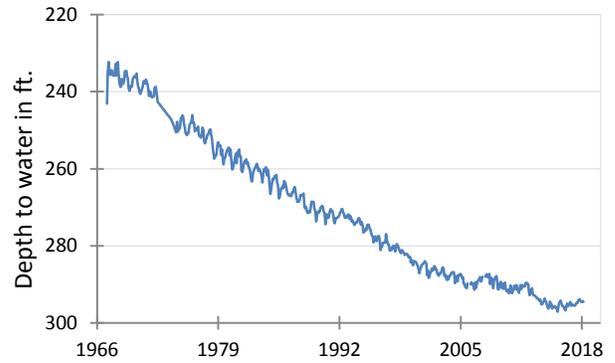
**(11) State Well ID 65-14-409  
Alief, Harris County  
Evangeline Formation-Gulf Coast Aquifer**



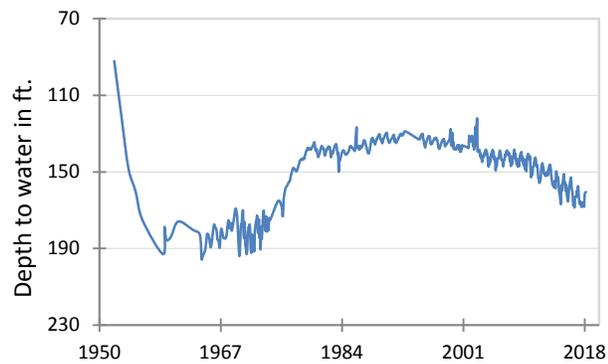
**(12) State Well ID 80-17-502**  
Near Bloomington, Victoria County  
Lissie Formation-Gulf Coast Aquifer



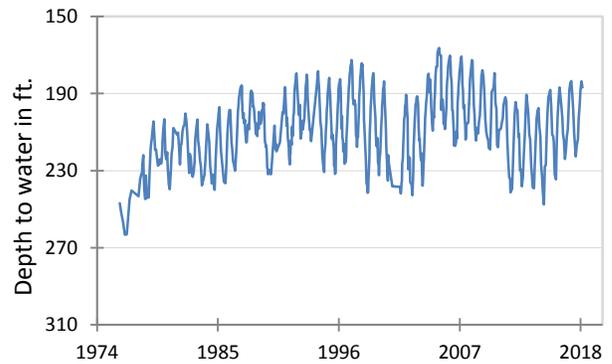
**(13) State Well ID 49-13-301**  
El Paso, El Paso County  
Hueco-Mesilla Bolson Aquifer



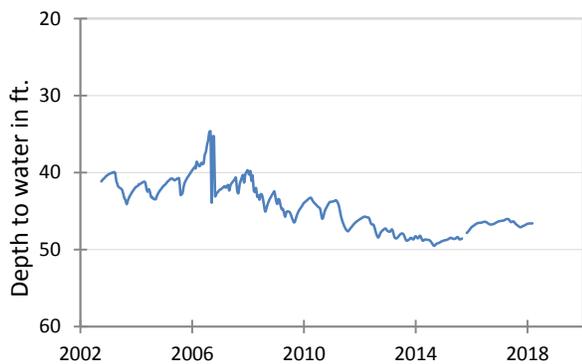
**(14) State Well ID 46-44-501**  
Near Pecos, Reeves County  
Pecos Valley Aquifer



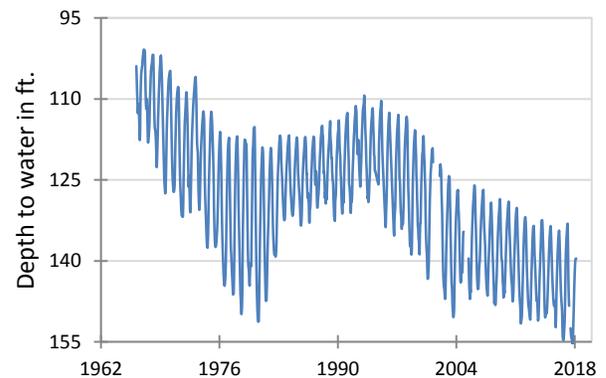
**(15) State Well ID 52-16-802**  
Fort Stockton, Pecos County  
Edwards-Trinity (Plateau) Aquifer



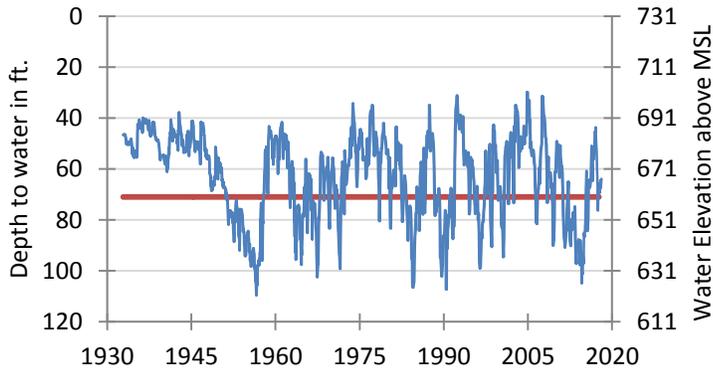
**(16) State Well ID 21-35-748**  
Near O'Brien, Haskell County  
Seymour Aquifer



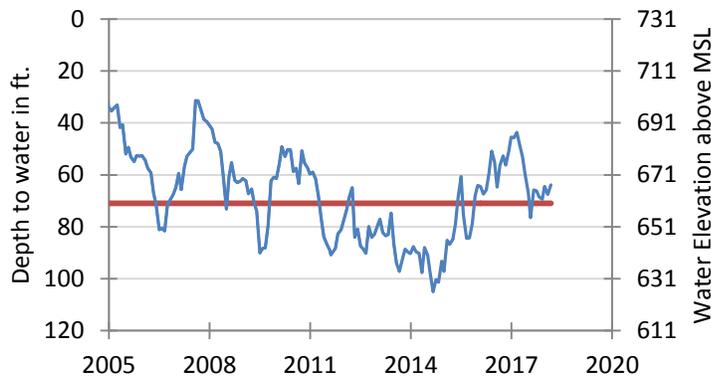
**(17) State Well ID 48-07-516**  
Dell City, Hudspeth County  
Bone Spring - Victorio Peak Aquifer



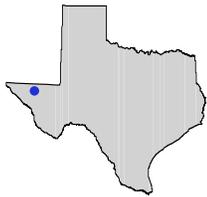
**(8) State Well ID 68-37-203 (J-17)  
In San Antonio, Bexar County  
Edwards (Balcones Fault Zone) Aquifer**



The late February water-level measurement in this Edwards (Balcones Fault Zone) Aquifer well, elevation 731 feet above mean sea level, was 67.91 feet below land surface, or 667.09 feet above mean sea level. This was 3.40 feet above last month's measurement, 20.30 feet below last year's measurement, and 17.27 feet below the initial measurement recorded in 1932.



**\*\*\* Water levels below the red line indicate periods in which Edwards Aquifer Authority Stage I drought restrictions are in effect. \*\*\***



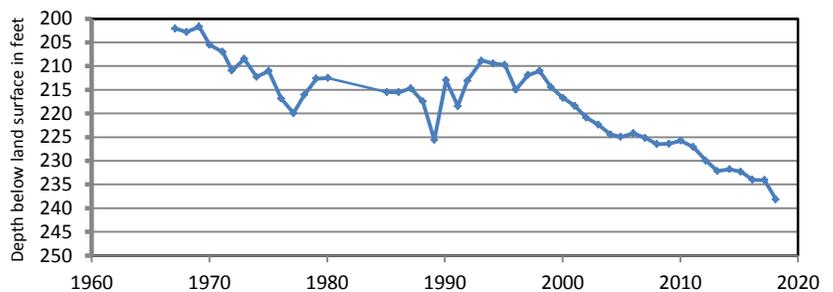
***HYDROGRAPH OF THE MONTH***

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

**Bone Springs – Victorio Peak Aquifer**

Well #4807418, 948 feet deep  
Unused, northern Hudspeth County

The Bone Springs – Victorio Peak Aquifer is a minor aquifer located in Northern Hudspeth County. The principal water-bearing units in the aquifer are the Permian aged Bone Springs and Victorio Peak limestones. The formations produce groundwater from solution cavities developed along joints and fracture planes. Water is generally slightly saline, with total dissolved solids of 1,000 to 3,000 milligrams per liter. In the Dell City area, total dissolved solids increase to 3,000 to 10,000 milligrams per liter. Since the late 1940s, pumping has been the primary means of discharge from the aquifer. Water levels have declined in the Dell City area from 5 to 60 feet, with an average of about 30 feet for the area over a period of about 55 years. These declines are most likely due to pumping for irrigation, aggravated during drought periods such as the one most recently experienced after 2010.



The first recorded water-level measurement of this unused well was 202.05 feet below land surface in 1967 by the USGS. TWDB began measuring this well in 1969 and has measured every year since. This 1969 measurement of 201.69 feet below land surface was the highest recorded measurement. Over the past 20 years, the water level has mainly declined due to continued nearby irrigation pumping. The lowest water-level measurement was recorded in 2018 at 238.15 feet below land surface, indicating an overall decline of nearly 40 feet in this well in just over 50 years.