



RESERVOIR STORAGE

September 2012

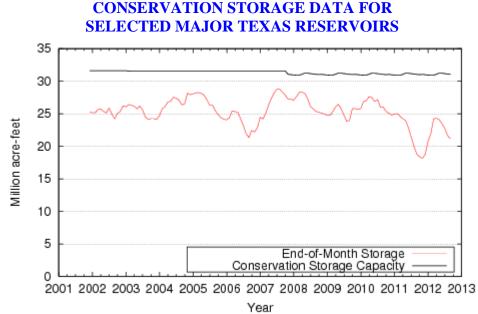
At the end of the month, total storage in 109 of the state's major water supply reservoirs was at 21.15 million acre-feet*, or 68% of their total conservation storage capacity. This is 0.47 million acre-feet less than a month ago but 2.35 million acre-feet more than storage at this time last year.

Only two reservoirs, Lake Houston and Houston County lake, held 100% of conservation storage capacity. Thirteen (13) reservoirs were at or below 10% full: E.V. Spence, O. C. Fisher, J. B. Thomas, Electra and Meredith were effectively empty, Twin Buttes was at 1%, Palo Duro was at 3%, Hords Creek Lake was at 6%, Mackenzie and White River were at 7% full, Red Bluff and North Fork Buffalo Creek were at 9%, and Champion Creek Reservoir was at 10% full.

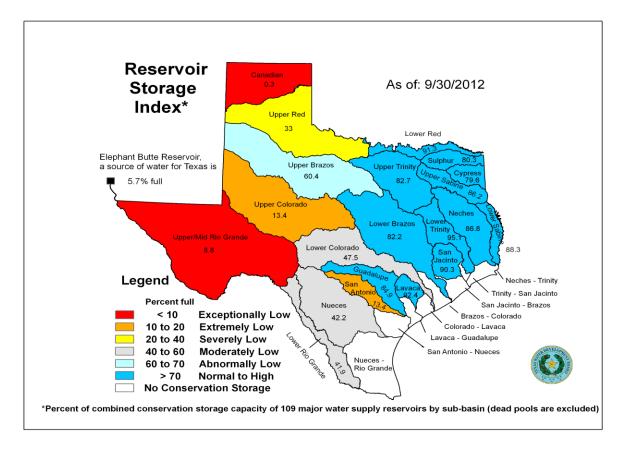
Total combined storage was greater than 70% in the North Central (80%), East (88%), and Upper Coast (95%) regions. The regions with the lowest percentage storage were the High Plains (1%) and Trans-Pecos regions (9%). Storage over the last month declined in 6 regions and increased in 2 regions.

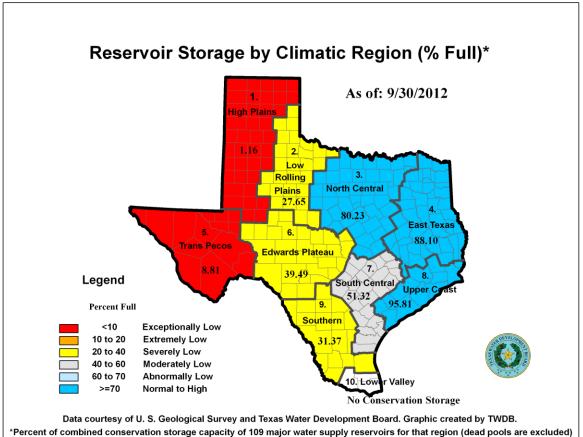
Elephant Butte reservoir held 112,700 acre-feet, or 6% of storage capacity. This is same as a month ago.

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



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.

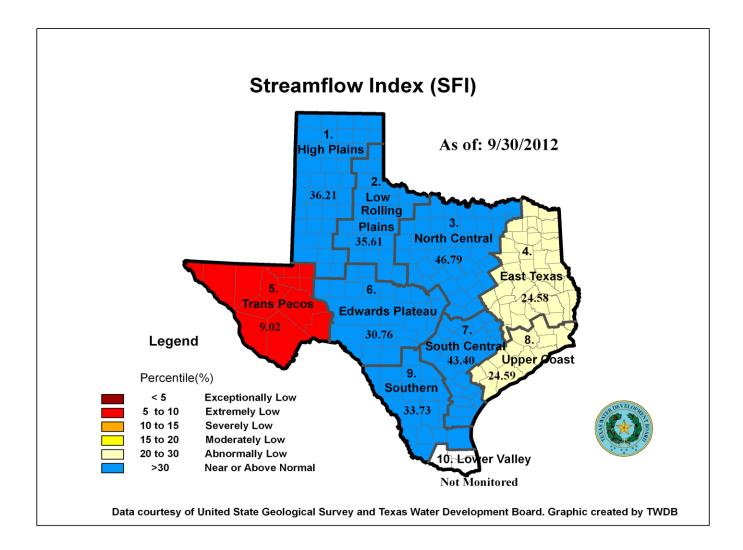




SEPTEMBER STREAMFLOW CONDITIONS

Of 29 reporting index stations monitored this month, computed 30-day mean flows were exceptionally low (<5%) at 3 stations, extremely low (5-10%) at 4 stations, severely low (10-15%) at 2 stations, moderately low (15-20%) at 5 stations, abnormally low (20% - 30%) at 3 stations, and near normal (30% - 70%) at the remaining 12 stations. Compared to last month, flows have increased at 19 index stations and decreased at 8 stations.

On a regional basis, flows in this month were extremely low in Trans-Pecos, and abnormally low in East and Upper Coast, and near normal in all other regions. Streamflow in the Lower Valley region is not monitored.



CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS No. Conservation Name of Lake Conservation Change since Change since or Reservoir on Storage Storage Late Aug Late Sep 2012 2012 2011 Мар Capacity Late Sep. (acre-feet) (acre-feet) (%) (acre-feet) (acre-feet) (%) (%) HIGH PLAINS Palo Duro Reservoir 1 60,897 1,810 з -71 0 -2,839 -5 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 46,429 3,365 7 0 -1,093 MacKenzie Reservoir 3 -54 -2 White River Lake 4 29,880 2,221 7 -328 -1 -2,904 -10 TOTAL 637,206 7,396 1 -453 0 -6,836 -1 LOW ROLLING PLAINS Greenbelt Lake 5 59,500 8,592 14 -418 -1 -2,688 -5 6 -13 *Electra, Lake 5,626 12 0 -4 0 0 N. Fork Buffalo Crk Reservoir 7 15,400 1,400 9 -61 0 -1,094 -7 -7 8 245,308 73,361 30 1,413 1 -16,465 Kemp, Lake Millers Creek Reservoir 9 27,888 8,158 29 1,312 5 -2,728 -10 Alan Henry Reservoir 10 94,808 72.807 77 -590 -1 -4,229 -4 -597 11 51.570 16.244 31 -1 -12.432-24 Stamford, Lake 199,931 -474 -2,809 J B Thomas, Lake 12 318 0 0 -1 Fort Phantom Hill, Lake 13 70,030 34,048 49 3,883 -3,546 -5 6 Sweetwater, Lake 14 10,006 1,973 20 14 0 -1,343 -13 Colorado City, Lake 15 31,793 8.424 26 361 1 -1.973-6 Champion Creek Reservoir 16 41,618 4,133 10 126 0 -592 -1 17 12 159 3 -1,256 -21 Abilene, Lake 6,099 729 Coleman, Lake 18 38,076 17,273 45 3,872 10 2,125 6 369 Hords Creek Lake 19 5,684 369 6 369 6 6 TOTAL 903,337 247,841 27 9,365 1 -48,674 -5 NORTH CENTRAL 21,445 -288 -1,532 Nocona, Lake (Farmers Crk) 20 11.648 -1 -7 54 24,058 21,999 -552 Hubert H Moss Lake 21 91 -2 1,427 6 Texoma, Lake (Texas) 22 1,239,693 1,150,031 93 -33,254 -3 129,302 10 Texoma, Lake (Texas & Oklahoma) (22) 2,479,387 2,300,062 93 -66,508 -3 258,604 10 *Pat Mayse Lake 23 117,844 103,602 88 -3.485-3 3,598 3 Kickapoo, Lake 24 85,825 38,068 44 1,611 2 -5,368 -6 Arrowhead, Lake 25 235,997 104,152 44 -2,395 -1 -21,628 -9 Bonham, Lake 26 11,026 8,276 75 -681 -6 916 8 78 -290 -3 7 27 9,195 7,171 631 Crook, Lake Amon G Carter, Lake 28 19,903 13,539 68 -438 -2 1,088 5 29 798,758 91 -17,077-2 44,931 Ray Roberts, Lake 724,491 6 30 260,332 184,410 71 -17,360 -7 83,101 32 Jim Chapman Lake (Cooper) -1,208 -3 15 Graham, Lake 31 45.260 36,960 82 6.744 *Lost Creek Reservoir 32 11,950 10,735 90 -160 -1 1,536 13 Bridgeport, Lake 33 366,236 233.096 64 -26,585 -7 9,951 3 Lewisville Lake 34 563.228 440,203 78 -24,585 -4 31,182 6 -7 17 35 443.844 305.711 69 -30.13875,673 Lavon Lake Hubbard Creek Reservoir 36 318,067 108,034 34 -3,882 -1 -32,274 -10 Possum Kingdom Lake 37 540,340 418,443 77 -4,480 -1 36,502 7 *Mineral Wells, Lake 38 77 -113 -2 7.065 5.421 885 13 -5 39 17,789 12,367 70 -870 1,751 Weatherford, Lake 10 Eagle Mountain Lake 40 179,880 144,844 81 1,979 1 14,201 8 Worth, Lake 41 24,500 17,294 71 31 0 1,550 6 42 164,702 133.714 81 -9.586-6 -3 Grapevine Lake -4,417Ray Hubbard, Lake 43 452,040 402,612 89 -12,140-3 65,650 15 New Terrell City Lake 44 8,583 7,325 85 -322 -4 1,704 20 Daniel, Lake 45 9,435 3,411 36 -129 -1 1,301 14 46 20,010 75 -1.281-5 3,937 15 Palo Pinto, Lake 26,827 Benbrook Lake 47 85,648 57,431 67 -3,579 -4 22,975 27 48 27,772 -3,062 5,022 13 Arlington, Lake 40,156 69 -8

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservati	ion	Change sin	ce	Change sin	ce
or Reservoir	on	Storage	Storage		Late Aug.		Late Sep.	
	Map	Capacity	Late Sep. 2012		2012		2011	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
	NORT	H CENTRAL (C	Continue)					
Joe Pool Lake	49	142,861	129,432	91	-1,153	-1	10,557	7
*Cisco, Lake	50	26,000	10,645	41	-33	0	-386	-1
Leon, Lake	51	26,421	19,044	72	-530	-2	8,183	31
Granbury, Lake	52	128,046	98,122	77	-4,126	-3	16,581	13
Pat Cleburne, Lake	53	26,008	20,454	79	-759	-3	3,235	12
Waxahachie, Lake	54	10,779	9,345	87	174	2	1,613	15
Bardwell Lake	55	46,122	39,050	85	-1,870	-4	5,753	12
Proctor Lake	56	55,457	38,433	69	-2,075	-4	19,595	35
Whitney, Lake	57	553,349	401,506	73	-56,968	-10	122,030	22
Aquilla Lake	58	44,460	36,132	81	-1,703	-4	5,920	13
Navarro Mills Lake	59	49,826	42,070	84	-1,411	-3	8,746	18
*Halbert, Lake	60	6,033	4,637	77	-37	-1	2,056	34
Richland-Chambers Reservoir	61	1,087,839	956,798	88	-23,661	-2	154,960	14
*Brownwood, Lake	62	131,429	63,631	48	0	0	13,581	10
Waco, Lake	62	198,943	179,314	90	-4,549	-2	33,525	17
Limestone, Lake	64	208,015	165,578	80	-2,427	-1	49,568	24
Belton Lake	65	435,225	386,754	89	-8,793	-2	73,277	17
Stillhouse Hollow Lake	66	227,771	209,001	92	-1,471	-1	67,942	30
Georgetown, Lake	67	36,823	20,112	55	-2,988	-8	6,875	19
Granger Lake	68	50,779	47,436	93	597	1	13,482	27
Tawakoni, Lake	69	888,126	769,588	87	-22,894	-3	101,911	11
TOTAL		10,509,938	8,399,852	80	-330,996	-3	1,199,343	11
			-					
Wright Patman Lake	70	EAS 248,069	211,690	85	-20,098	-8	9,268	4
*Sulphur Springs, Lake	70	17,838	14,485	81	-723	-4	5,607	- 31
Cypress Springs, Lake	71	66,756	-	92	-1,000	-1		9
Bob Sandlin, Lake	72	200,579	61,152 158,839	92 79	-3,445	-2	6,213 26,470	13
Fork Reservoir, Lake	74	604,927	510,857	84	-9,995	-2	72,049	12
O the Pines, Lake	75	238,933	183,993	77	-4,869	-2	298	0
Cedar Creek Reservoir in Trinity	76	644,686	564,744	88	-2,422	0	119,158	18
Athens, Lake	70	29,435	24,157	82	250	1	2,555	9
Palestine, Lake	78	370,907	343,862	93	-1,700	0	89,305	24
Tyler, Lake	79	73,256	56,732	93 77	83	0	11,934	16
Murvaul, Lake	80	38,284	35,691	93	0	0	11,554	30
Jacksonville, Lake	81	25,670	24,491	95	368	1	4,227	16
Nacogdoches, Lake	82	39,521	31,505	80	1,576	4	11,771	30
Houston County Lake	83	17,113	17,113	100	2,055	12	4,288	25
Sam Rayburn Reservoir	84	2,857,077	2,449,172	86	-51,734	-2	799,235	28
Toledo Bend Reservoir (Texas)	85	2,236,450	1,977,394	88	38,822	2	614,804	27
Toledo Bend Reservoir (TX & LA)	(85)	4,472,900	3,954,789	88	77,644	2	1,229,608	27
*Livingston, Lake	86	1,741,867	1,662,000	95	-23,000	-1	199,000	11
B A Steinhagen Lake	87	66,966	62,228	93	1,915	3	3,326	5
Conroe, Lake	88	416,188	362,859	87	-1,994	0	53,610	13
TOTAL		9,934,522	8,752,964	88	-75,911	-1	2,044,629	21
		-,,	_,,	50	,	-	_,•,•->	
		TRANS-P	ECOS					
Red Bluff Reservoir	89	130,170	11,382	9	379	0	8,232	6
TOTAL		130,170	11,382	9	379	0	8,232	6

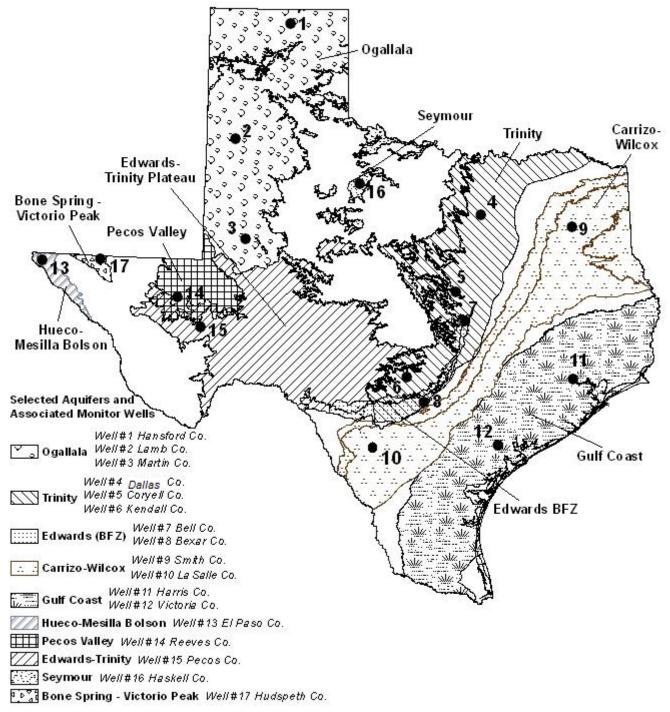
CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No.	Conservation	Conservat	ion	Change since		Change since	
or Reservoir	on	Storage	Storage	1	Late Aug.		Late Sep.	
	Мар	Capacity	Late Sep.	2012			2011	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
		EDWARDS P	LATEAU					
Oak Creek Reservoir	90	39,260	12,805	33	1,429	4	-2,787	-7
E V Spence Reservoir	91	517,272	2,200	0	1,121	0	-162	0
O C Fisher Lake	92	79,483	0	0	0	0	0	0
*O H Ivie Reservoir	93	554,335	119,226	22	48,710	9	5,078	1
Twin Buttes Reservoir	94	177,850	2,363	1	2,363	1	1,388	1
Brady Creek Reservoir	95	29,110	6,710	23	635	2	-915	-3
Buchanan, Lake	96	824,519	397,154	48	-13,001	-2	65,041	8
Lyndon B Johnson, Lake	97	113,323	110,772	98	-850	-1	-1,761	-2
*Amistad Reservoir (Texas)	98	1,840,849	998,000	54	-163,000	-9	-596,000	-32
*Amistad Reservoir (TX & Mexico)	(98)	3,275,532	1,633,000	50	-160,000	-5	-1,227,000	-37
TOTAL		4,176,001	1,649,230	39	-122,593	-3	-530,118	-13
		SOUTH CE	NTRAL					
Travis, Lake	99	1,113,255	466,117	42	-6,166	-1	55,313	5
*Austin, Lake	100	21,804	20,520	94	-74	0	-29	0
Somerville Lake	101	147,104	129,505	88	-3,413	-2	68,908	47
Canyon Lake	102	378,781	323,554	85	-3,279	-1	11,186	3
Medina Lake	103	254,823	34,112	13	-929	0	-38,893	-15
*Coleto Creek Reservoir	104	31,040	24,644	79	-1,127	-4	1,552	5
TOTAL		1,946,807	998,452	51	-14,988	-1	98,037	5
		UPPER C	O እ ዓጥ					
Houston, Lake	105	128,863	128,863	100	0	0	41,673	32
Texana, Lake	105	159,640	145,864	91	-1,149	-1	76,118	48
TOTAL	100	288,503	274,727	95	-1,149	0	117,791	41
		SOUTH	ZRN					
Choke Canyon Reservoir	107	695,262	359,602	52	-6,454	-1	-86,413	-12
Corpus Christi, Lake	108	256,961	42,273	16	3,446	1	-67,261	-26
*Falcon Reservoir (Texas)	100	1,551,034	411,000	26	69,000	4	-379,000	-24
*Falcon Reservoir (TX & Mexico)	(109)	2,646,817	547,000	20	45,000	2	-679,000	-26
TOTAL	(200)	2,503,257	812,875	32	65,992	3	-532,674	-21
STATE TOTAL		31,029,741	21,154,719	68	-470,354	-2	2,349,730	8
* Conservation volume is used as co	nservation	storage capac:	ity because th	le dead	storage is u	nknowr	1.	
In Addition								
Elephant Butte Reservoir		1,975,000	112,688	6	0	0	-88,368	-4

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.

SEPTEMBER 2012 GROUNDWATER LEVELS IN OBSERVATION WELLS



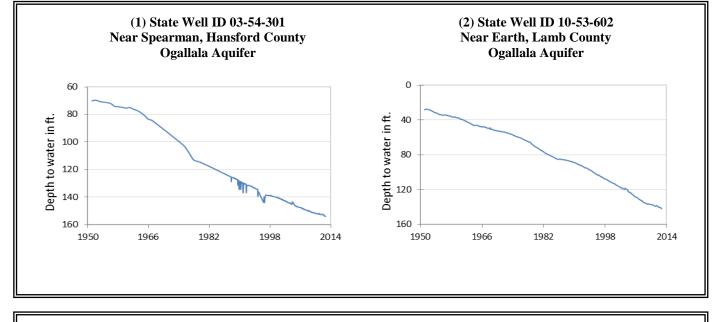
September, 2012

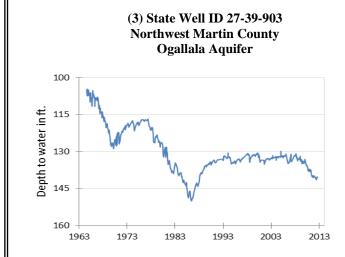
Water level measurements were available for all seventeen key monitoring wells in the state. Water levels rose in six of the monitoring wells since the beginning of September, ranging from 0.54 feet in the Bell County Edwards BFZ Aquifer well to 10.3 foot in the Bexar County Edwards BFZ Aquifer well. Water levels declined in the remaining eleven monitoring wells, ranging from 0.06 feet in the Martin County Ogallala Aquifer well to 7.98 feet in the Kendall County Trinity Aquifer well. The J-17 well in San Antonio recorded a water level of 79.9 feet below land surface or 651.1 feet above mean sea level. This water level is 1.1 feet below the Stage II critical management level in that segment of the Edwards Aquifer. Stage II restrictions were declared by the EAA on September 18th when the ten-day average fell below the 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.

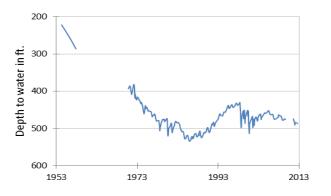
Monitoring Well	Sep 2012	Aug 2012	Month Change	Year Change	Historical Change
(1) Hansford 0354301	154.00	153.89	-0.11	-1.57	-83.88
(2) Lamb 1053602	141.78	141.56	-0.22	-2.22	-113.63
(3) Martin 2739903	140.46	140.4	-0.06	0.07	-35.57
(4) Dallas 3319101	489.7	486.96	-2.74	-10.97	-267.7
(5) Coryell 4035404	508.33	511.62	3.29	-6.54	-216.33
(6) Kendall 6802609	147.85	155.83	-7.98	10.79	-87.85
(7) Bell 5804816	125.25	125.79	0.54	1.15	-2.12
(8) Bexar 6837203	79.9	90.2	10.3	8.5	-33.26
(9) Smith 3430907	437.85	436.96	-0.89	-3.08	-71.85
(10) La Salle 7738103	438.51	432.83	-5.68	NA	-185.44
(11) Harris 6514409	201.4	202.52	1.12	6.53	-65.9
(12) Victoria 8017502	37.17	36.9	-0.27	2.14	-3.17
(13) El Paso 4913301	292.47	291.01	-1.46	-1.85	-60.57
(14) Reeves 4644501	149.9	151.04	1.14	5.13	-57.81
(15) Pecos 5216802	233.41	238.17	4.76	6.13	13.47
(16) Haskell 2135748	47.78	48.43	-0.65	-0.91	-6.45
(17) Hudspeth 4807516	150.8	150.06	-0.74	-0.7	-46.88

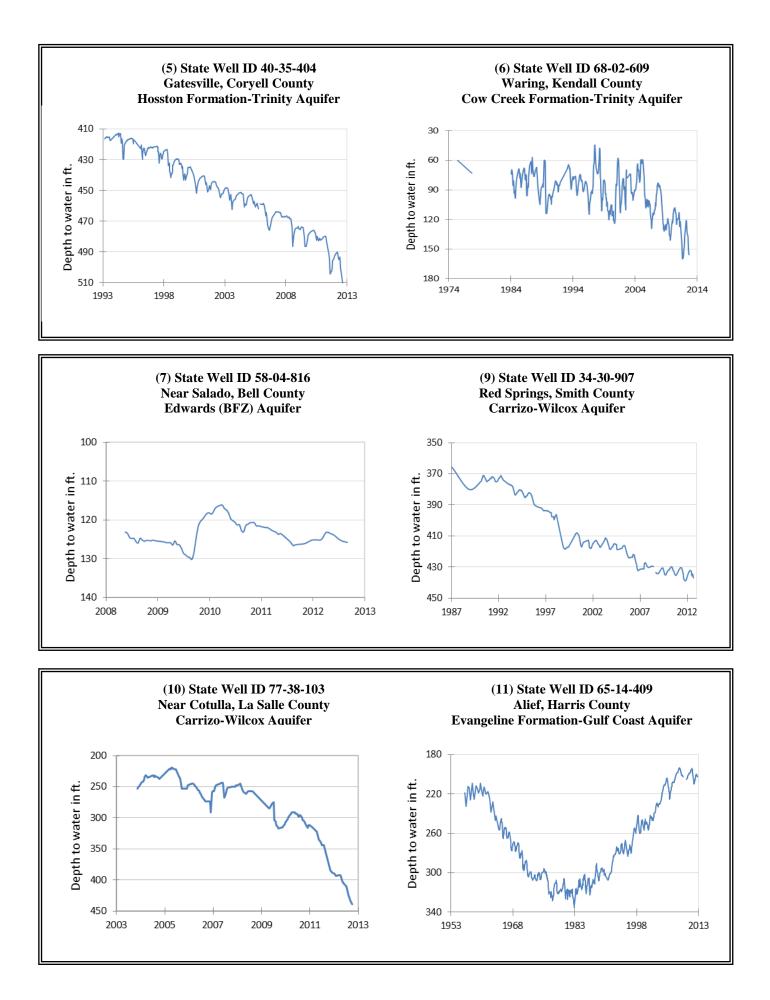
SEPTEMBER GROUNDWATER LEVELS IN OBSERVATION WELLS

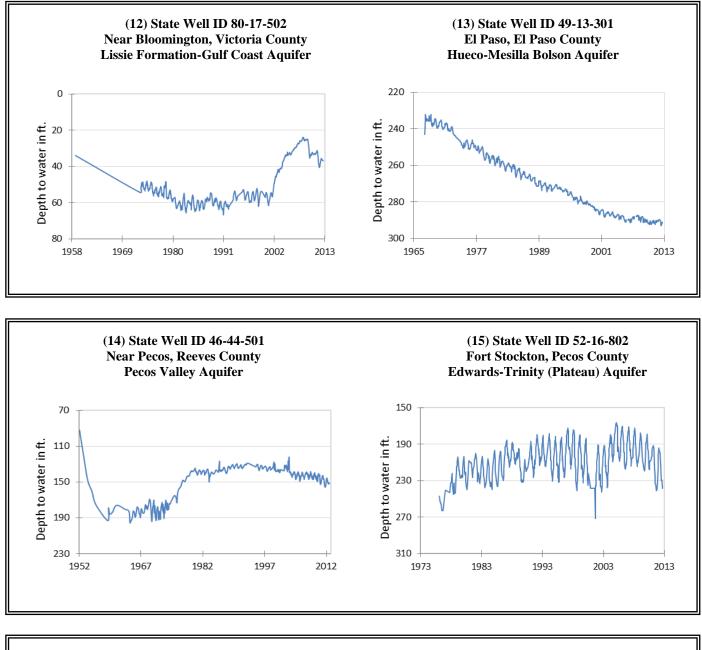


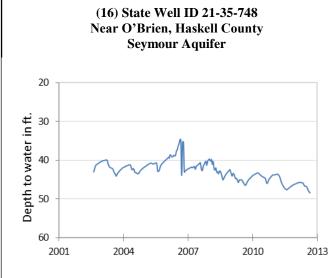


(4) State Well ID 33-19-101 Southeast Dallas, Dallas County Twin Mountains Formation-Trinity Aquifer

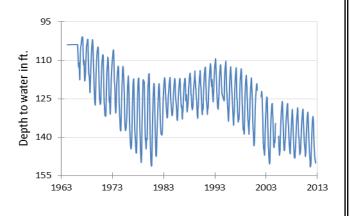


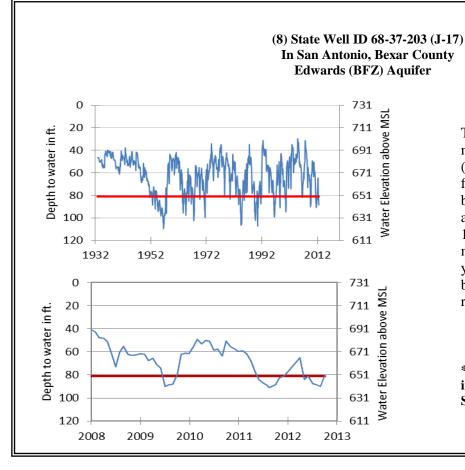






(17) State Well ID 48-07-516 Dell City, Hudspeth County Bone Spring - Victorio Peak Aquifer





The late September water level measurement in this Edwards (BFZ) Aquifer well, elevation 731 feet above sea level, was 79.9 feet below land surface, or 651.1 feet above mean sea level. This was 10.3 feet above last month's measurement, 8.5 feet below last year's measurement, and 33.26 feet below the initial measurement recorded in 1932.

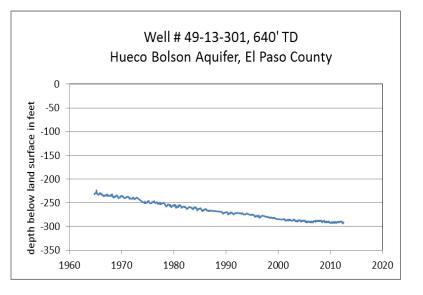
*** Water levels below the red line indicate Edwards Aquifer Authority Stage II drought restrictions. ***

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.

Hueco (-Mesilla) Bolsons Aquifer

The Hueco-Mesilla Bolsons Aquifer is a major aguifer located east and west of the Franklin Mountains in Far West Texas. The aquifer is composed of basin-fill deposits of silt, sand, gravel, and clav in two basins, or bolsons: the Hueco Bolson and the Mesilla Bolson. These basins are the result of tectonic extension and faulting associated with the Basin and Range province which extends from Mexico to Idaho. While the Bolsons share similar geology, very little water travels between them. The Bolsons contain fresh to slightly saline water, with salinity typically increasing to the south and in the shallower parts of the aquifer. The Hueco Bolson is the principal aquifer for the El Paso area and Ciudad Juarez in Mexico. Nearly 90 percent of the water pumped from the Mesilla and the Hueco Bolsons in Texas is used for public supply. El Paso and Fort Bliss are building the world's largest inland desalination plant in El Paso County. This plant will use brackish groundwater from the Hueco Bolson as its source water. In some wells, water levels have declined several hundred feet from historic levels due to pumping.



Water levels in this now unused well, owned by the City of El Paso, have experienced an overall decline of 60 feet since the initial measurement in 1964. More recently, water levels have remained relatively flat, possibly as a result of conservation measures that have reduced the volume of water pumped in nearby wells.

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