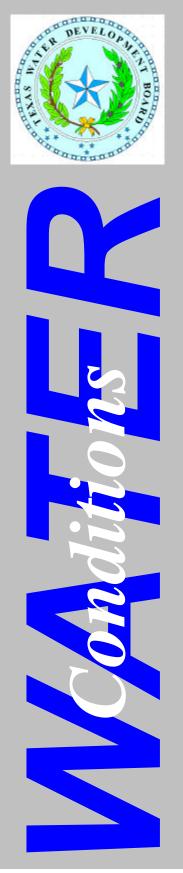
Texas Water Development Board



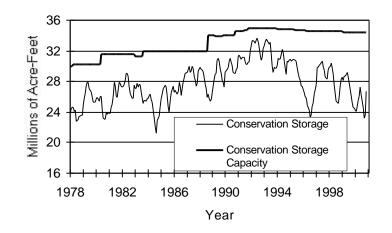
RESERVOIR STORAGE

November 2000

Near the end of November, the 77 reservoirs monitored for this report held 26.7 million acre-feet in conservation storage, or 77.5 percent of the conservation storage capacity of the State's major reservoirs. This represents the sixth-lowest percentage of capacity for the end of November recorded in 23 years. Storage increased by 3.1 million acre-feet (+9.0% of conservation storage capacity) during the month. Compared to November 1999, storage is up 2.1 million acre-feet (+6.0%). Statewide storage was on the rise at the end of the month

Storage remained nearly constant in the High Plains climatic region, and increased in all other regions. The North Central, East, South Central, and Upper Coast regions remained above 85% capacity, while the Low Rolling Plains, Trans-Pecos, and Southern regions were all below 35%. Storage increased in 70 of the 77 monitored reservoirs and is at 100% in 22 reservoirs. Lake Travis experienced the largest percentage increase (41.9%) and increase in storage (0.48 million acrefeet).

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS



Current data are based on elevation near end of month at 77 reservoirs that represent 98 percent of total conservation storage capacity in Texas reservoirs having a capacity of 5,000 acre-feet or more.

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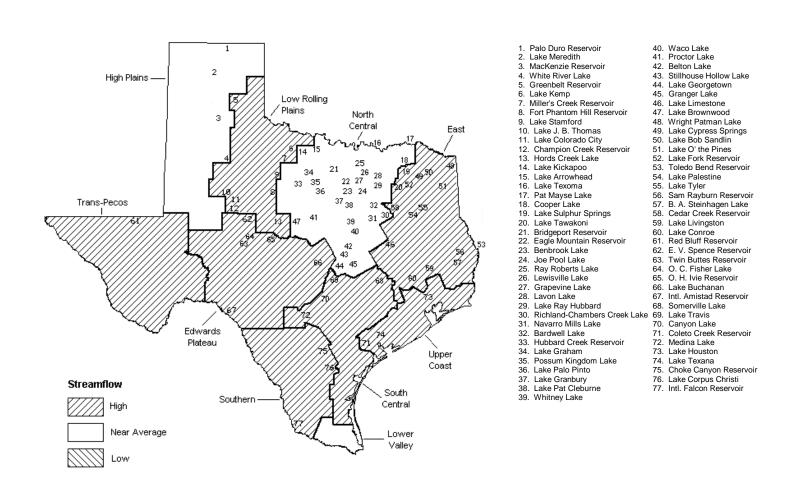
STREAMFLOW

Of 29 reporting index stations in November, computed 30-day mean flows were very high (0% - 5% exceedance) at 4 stations, high (5% - 30% exceedance) at 16 stations, near normal (30% - 70% exceedance) at 7 stations, and low (70% - 95% exceedance) at 2 stations. In comparison to October, flows increased at 23 index stations, decreased at 5, and remained the same, with no flow recorded, at 1.

On a regional basis, flows in November were near normal in the North Central and High Plains regions, and were high in all other regions. Three of four reporting stations in the Edwards Plateau reported very high flows, and the fourth reported high flows. Only two stations, one each in the High Plains and North Central regions, reported low flows. One station, Hubbard Creek below Albany, reported zero flows in November.

NOVEMBER STREAMFLOW CONDITIONS

Reservoirs Shown on Map



CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

				<u> </u>	<u></u>				
Name of Lake	No. Conservation		Conservation		Change since		Change since		
or Reservoir	on	Storage Capacity	Storage Late November	2000	Late Octobe 2000	er	Late November		
	Map	(acre-feet)		2000 (%)		(%)	1999 (acre-feet)	(%)	
			I PLAINS	(8)	(4010 1000)	(0)	(4010 1000)	(**)	
Palo Duro Reservoir	1	60,900		23	-810	-1	-5,910	-10	
Lake Meredith (Texas)	2	500,000	341,200	68	1,200	0	-52,000	-10	
Lake Meredith	2	500,000	541,200	00	1,200	U	-52,000	-10	
(Texas and Oklahoma)	(2)	779,560	341,200	44	1,200	0	-52,000	-7	
MacKenzie Reservoir	3	46,250	8,110	18	-110	0	-1,770	-4	
White River Lake	4	31,850	11,960	38	130	0	-5,150	-16	
TOTAL		639,000	375,580	59	410	0	-64,830	-10	
		LOW ROL	LING PLAINS						
Greenbelt Reservoir	5	58,200	23,160	40	-190	0	-2,290	-4	
Lake Kemp	6	319,600	138,800	43	28,200	9	-14,000	-4	
Miller's Creek Reservoir	7	27,890	8,260	30	1,910	7	-3,210	-12	
Fort Phantom Hill Reservoir	8	70,030	40,940	58	4,450	6	20,440	29	
Lake Stamford	9	52,700	9,110	17	1,990	4	2,370	4	
Lake J. B. Thomas	10	202,300	28,670	14	-1,340	-1	-2,230	-1	
Lake Colorado City	11	30,800	21,440	70	-380	-1	6,480	21	
Champion Creek Reservoir	12	41,600	4,430	11	10	0	-710	-2	
Hords Creek Lake	13	8,600	4,260	50	780	9	712	8	
TOTAL		811,720	279,070	34	35,430	4	7,562	1	
		NORTI	H CENTRAL						
Lake Kickapoo	14	106,000	57,870	55	16,850	16	4,348	4	
Lake Arrowhead	15	262,100	115,200	44	21,390	8	-21,200	-8	
Lake Texoma	16	2,722,300	2,722,300	100	68,300	3	409,224	15	
Pat Mayse Lake	17	124,500	124,500	100	18,500	15	21,997	18	
Cooper Lake	18	273,000	273,000	100	0	0	54,895	20	
Lake Sulphur Springs	19	17,710	17,710	100	2,550	14	3,920	22	
Lake Tawakoni	20	936,200	936,200	100	104,600	11	165,200	18	
Bridgeport Reservoir	21	374,830	192,900	51	26,540	7		-8	
Eagle Mountain Reservoir	22	178,380	112,500	63	9,800	5	-25,518	-14	
Benbrook Lake	23	88,200	53,200	60	2,510	3	-6,873	-8	
Joe Pool Lake	24	175,800	167,400	95	6,000	3	11,110	6	
Ray Roberts Lake	25	798,760	497,200	62	73,500	9	-113,311	-14	
Lewisville Lake	26 27	555,000 187,700	378,000	68 70	67,700	12 12	54,146 -415	10 0	
Grapevine Lake Lavon Lake	27	443,800	132,100 374,100	84	22,500 60,500	14		20	
Lake Ray Hubbard	20	413,420		91	62,000	15		-9	
Richland-Chambers Creek Lake	30	1,103,820		100	86,820	8	135,860	12	
Navarro Mills Lake	31	55,810		100	9,780	18	15,221	27	
Bardwell Lake	32	53,580		92	4,570	9	11,950	22	
Hubbard Creek Reservoir	33	317,800		45	1,600	1		-21	
Lake Graham	34	45,000	37,050	82	5,790	13	-4,250	-9	
Possum Kingdom Lake	35	551,820	478,100	87	48,500	9	47,100	9	
Lake Palo Pinto	36	27,650	10,670	39	3,730	13	-20,202	-73	
Lake Granbury	37	135,680	128,100	94	13,500	10	2,500	2	
Lake Pat Cleburne	38	25,300	21,320	84	1,160	5	4,078	16	
Whitney Lake	39	622,800	498,200	80	15,000	2	71,300	11	
Waco Lake	40	144,500		100	21,400	15		23	
Proctor Lake	41	55,590		35	13,040	23	-2,096	-4	
Belton Lake	42	434,500		100	67,400	16	52,677	12	
Stillhouse Hollow Lake	43			100	20,360	9	13,147	6	
Lake Georgetown	44			59 100	7,780	21		-15	
Granger Lake	45	54,280		100	4,910	9 17	5,273	10	
Lake Limestone Lake Brownwood	46 47	215,750		100	36,050	17		19 16	
TOTAL	4/	143,400 11,908,050	109,600 10,282,790	76 86	25,460 950,090	18 8	23,120 938,528	16 8	
IUIAL		11,900,030	10/202/190	00	230,090	3	550,520	0	

CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

Name of Lake	No. Conservation		Conservatio	on	Change sind	ce	Change sin	ce
or Reservoir	on	Storage	Storage		Late October		Late November	
	Map	Capacity	Late November	2000	2000		1999	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
			EAST					
Wright Patman Lake	48	142,700	142,700	100	0	0	0	0
Lake Cypress Springs	49	66,800	66,800	100	2,730	4	80	0
Lake Bob Sandlin	50	202,300	202,300	100	11,400	6	30,598	15
Lake O' the Pines	51	252,000	252,000	100	10,700	4	25,113	10
Lake Fork Reservoir	52	635,200	635,200	100	22,700	4	44,600	7
Toledo Bend Reservoir	53	4,472,900	3,943,000	88	362,000	8	437,000	10
Lake Palestine	54	411,300	411,300	100	58,600	14	60,500	15
Lake Tyler	55	73,700	60,700	82	7,600	10	-11,406	-15
Sam Rayburn Reservoir	56	2,876,300	2,150,000	75	172,000	6	108,000	4
B. A. Steinhagen Lake	57	94,200	80,230	85	-9,090	-10	-1,763	-2
Cedar Creek Reservoir	58	637,050	587,900	92	65,900	10	12,667	2
Lake Livingston	59	1,750,000	1,750,000	100	128,000	7	74,000	4
Lake Conroe	60	429,900	418,000	97	72,400	17	40,400	9
TOTAL		12,044,350	10,700,130	89	904,940	8	819,789	7
		TRAN	IS-PECOS					
Red Bluff Reservoir	61	307,000	64,120	21	10,130	3	-21,220	-7
TOTAL		307,000	64,120	21	10,130	3	-21,220	-7
		EDWARI	DS PLATEAU					
E. V. Spence Reservoir	62	488,760	87,210	18	-1,400	0	25,360	5
Twin Buttes Reservoir	63	177,800	8,130	5	110	0	616	0
0.C. Fisher Lake	64	119,200	10,300	9	20	0	2,054	2
O. H. Ivie Reservoir	65	554,340	322,200	58	29,000	5	-9,200	-2
Lake Buchanan	66	896,980	731,000	81	291,300	32	115,765	13
Amistad Reservoir (Texas)	67	1,771,030	1,034,000	58	169,000	10	-9,000	-1
Amistad Reservoir								
(Texas and Mexico)	(67)	3,151,300	1,195,000	38	167,000	5	-185,000	-6
TOTAL		4,008,110	2,192,840	55	488,030	12	125,595	3
		SOUTH	I CENTRAL					
Somerville Lake	68	155,060	141,300	91	36,800	24	2,069	1
Lake Travis	69	1,144,100	1,144,100	100	479,400	42	308,460	27
Canyon Lake	70	385,600	385,600	100	1,600	0	25,419	7
Coleto Creek Reservoir	71	35,060	31,360	89	7,660	22	7,130	20
Medina Lake	72	254,000	180,300	71	46,500	18	-28,000	-11
TOTAL		1,973,820	1,882,660	95	571,960	29	315,078	16
		זססז	R COAST					
			128,860	100	29,390	~ ~ ~	27 060	~ ~ ~
Lake Hougton								
Lake Houston Lake Texana	73 74	128,860 157,900	157,100	100 99	33,300	23 21	27,960 37,000	22 23

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CONSERVATION STORAGE DATA FOR SELECTED MAJOR TEXAS RESERVOIRS

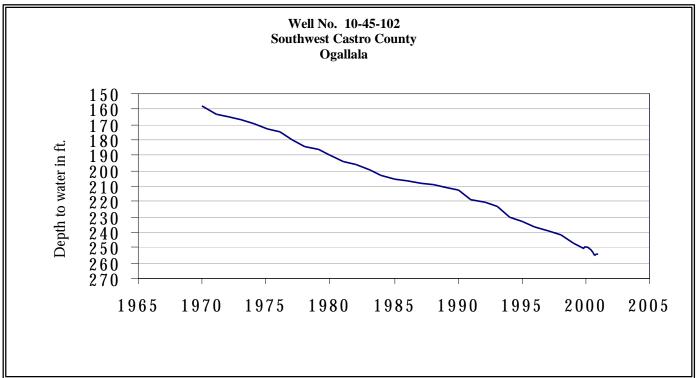
Name of Lake	No.	Conservation	Conservation		Change since		Change since	
or Reservoir	on	Storage	Storage		Late October		Late November	
	Map	Capacity	acity Late November 2000		2000		1999	
		(acre-feet)	(acre-feet)	(%)	(acre-feet)	(%)	(acre-feet)	(%)
		SO	UTHERN					
Choke Canyon Reservoir	75	695,260	273,000	39	32,000	5	-30,000	-4
Lake Corpus Christi	76	241,240	94,500	39	31,210	13	-69,000	-29
Falcon Reservoir (Texas)	77	1,555,120	292,000	19	31,000	2	-24,000	-2
Falcon Reservoir								
(Texas and Mexico)	(77)	2,653,290	331,000	12	33,000	1	-321,000	-12
TOTAL		2,491,620	659,500	26	94,210	4	-123,000	-5
STATE TOTAL		34,470,430	26,722,650	78	3,117,890	9	2,062,462	6

Note:

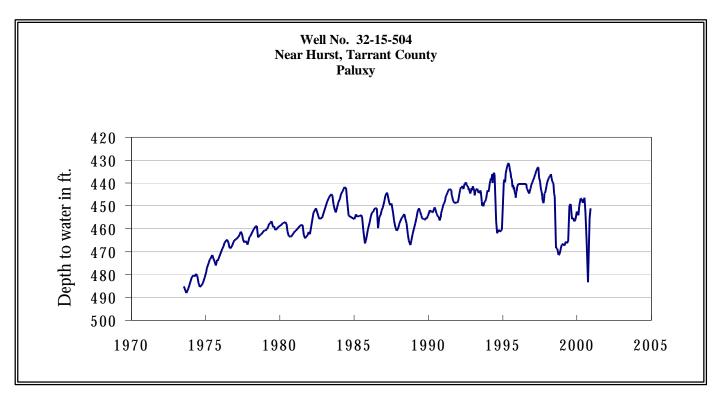
Conservation storage capacity is the space available to store water above the level of invert of lowest outlet works and below the level of top of conservation pool or normal maximum operating level. Conservation storage refers to the volume of water held within the conservation storage space. Not included is any water in flood control storage (above the top of conservation pool or normal maximum operating level), or any water in so called dead storage (in the bottom of the reservoir, below the invert of lowest outlet works and consequently not removable by gravity flow alone.) Percentage of conservation storage is based on the conservation storage capacity of the reservoir and the conservation storage in the reservoir for date shown. Percent change is given by % Change = 100 * (current conservation storage - past conservation storage)/conservation storage capacity.

Current data are based on elevations near end of month at 77 reservoirs that together represent 98 percent of the total conservation storage capacity of major Texas reservoirs (those with capacity of 5,000 acre-feet or more each). Figures in parentheses for Lake Meredith represent the total conservation storage excluding 58,014 acre-feet of dead storage and are not included in State total. Preliminary figures are shown for the United States' share of conservation storage in International Amistad and International Falcon Reservoirs; the estimates may be subject to revision on completion of international water accounting. Texas (United States' share) and Mexico and are not included in State total.

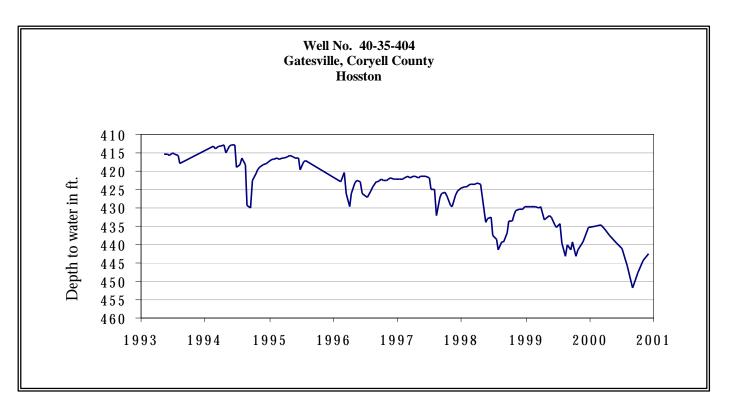
NOVEMBER GROUND WATER LEVELS IN OBSERVATION WELLS



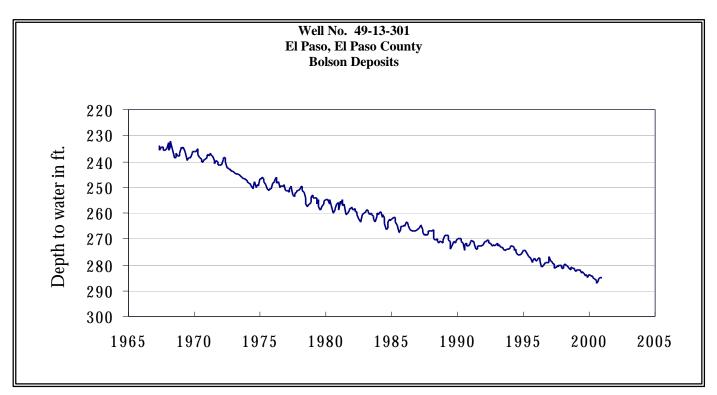
The late November water-level measurement in this Ogallala aquifer well, elevation 3,816 feet above sea level, was 253.95 feet below land surface. This measurement was 0.36 feet above last month's measurement, 3.91 feet below last year's measurement, and 97.95 feet below the initial measurement recorded in 1968.



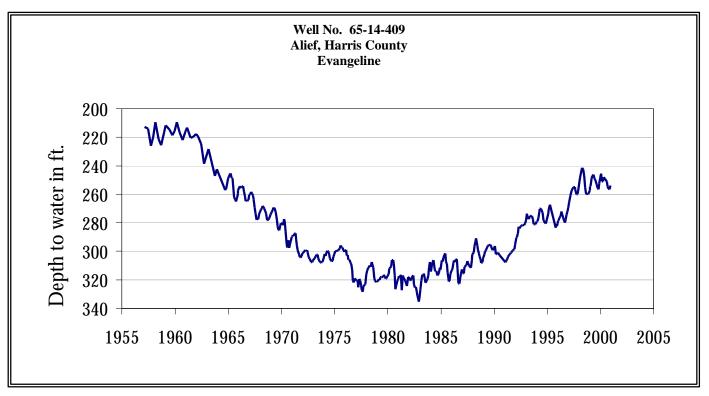
The late November water-level measurement in this Paluxy Formation Trinity aquifer well, elevation 535 feet above sea level, was 451.12 feet below land surface. This measurement was 4.43 feet above last month's measurement, 4.85 feet above last year's measurement, and 57.73 feet below the initial measurement recorded in 1953.



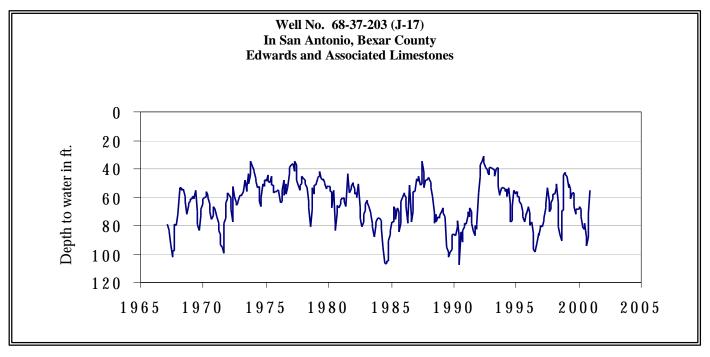
The late November water-level measurement in this Hosston Formation Trinity aquifer well, elevation 823 feet above sea level, was 442.55 feet below land surface. This measurement was 1.68 feet above last month's measurement, 3.40 feet below last year's measurement, and 150.55 feet below the initial measurement recorded in 1955.



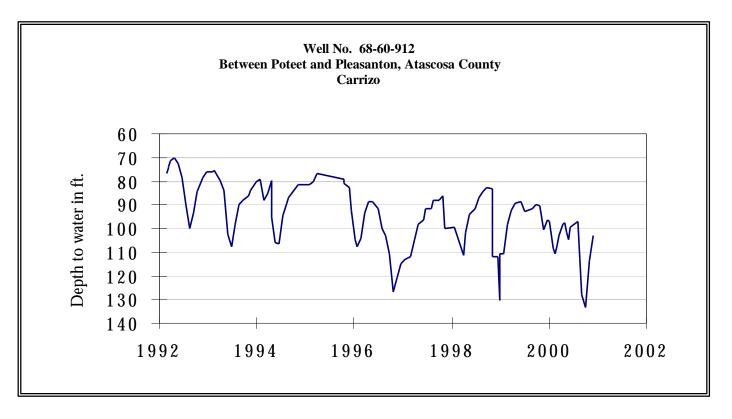
The late November water-level measurement in this Hueco Bolson aquifer well, elevation 3,882 feet above sea level, was 284.82 feet below land surface. This was 0.18 feet above last month's measurement, 0.24 feet below last year's measurement, and 52.92 feet below the initial measurement recorded in 1964.



The early November water-level measurement in this Evangeline Formation Gulf Coast aquifer well, elevation 66 feet above sea level, was 253.88 feet below land surface. This was 2.75 feet above last month's measurement, 1.59 feet below last year's measurement, and 150.65 feet below the initial measurement recorded in 1947.



The late November water-level measurement in this Edwards (BFZ) aquifer well, elevation 731 feet above sea level, was 54.76 feet below land surface. This was 16.53 feet above last month's measurement, 13.44 feet above last year's measurement, and 4.86 feet above the initial measurement recorded in 1962.



The late November water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 102.75 feet below land surface. This measurement was 10.82 feet above last month's measurement, 4.44 feet above last year's measurement, and 21.50 feet below the initial measurement recorded in 1965.

HYDROGRAPH OF THE MONTH

