Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
03578630 Brumalow Creek Tributary	Brumalow Creek to Elk River to Tennessee River	Lat 35°21'44", long, 86°01'41", Coffee County, Hydrologic Unit 06030003, on county road, 0.8 mi southeast of intersection with Arnold Center Road.	0.58	6-3-02 10-22-02	.01 0	20.1 --	440 --
03578635 Brumalow Creek Tributary	Brumalow Creek to Elk River to Tennessee River	Lat 35°21'26", long, 86°02'15", Coffee County, Hydrologic Unit 06030003, on county road, 1.5 mi north of Old Brick Church Road, 2.2 mi north of Duncantown.	1.40	6-3-02 10-22-02	.30 0	18.1 --	18 --
03578640 Brumalow Creek Tributary	Brumalow Creek to Elk River to Tennessee River	Lat 35°21'21", long, 86°02'34", Coffee County, Hydrologic Unit 06030003, 1.5 mi north of Old Brick Church Road, 2.1 mi north of Duncantown.	*1.59	6-3-02 10-22-02	.50 .07	18.3 14.5	74 125
03578670 Brumalow Creek Tributary	Brumalow Creek to Elk River to Tennessee River	Lat 35°20'51", long, 86°02'46", Coffee County, Hydrologic Unit 06030003, on unimproved road, 0.4 mi north of Old Brick Church Road, 0.8 mi northwest of Duncantown.	*0.67	6-3-02 10-22-02	.02 0	17.1 --	36 --
03578680 Brumalow Creek	Elk River to Tennessee River	Lat 35°20'30", long, 86°02'41", Franklin County, Hydrologic Unit 06030003, on unimproved road, 0.5 mi north of Old Brick Church Road, 1.2 mi northwest of Duncantown.	*3.92	6-3-02 10-22-02	1.31 .31	19.8 14.7	74 152
03578700 Brumalow Creek	Elk River to Tennessee River	Lat 35°20'11", long, 86°02'39", Franklin County, Hydrologic Unit 06030003, 0.6 mi northwest of Duncantown.	*4.13	6-3-02 10-22-02	1.36 .28	21.1 14.7	67 142
03578712 Brumalow Creek Tributary at Woods Reservoir	Elk River to Tennessee River	Lat 35°20'04", long 86°02'47", Franklin County, Hydrologic Unit 06030003, 0.7 mi northwest of Duncantown.	1.02	6-3-02 10-22-02	0 0	-- --	-- --
03578714 Brumalow Creek Tributary at Old Brick Church Road	Brumalow Creek to Elk River to Tennessee River	Lat 35°20'09", long 86°02'24", Franklin County, Hydrologic Unit 06030003, on Old Brick Church Road, 0.8 mi north of Duncantown.	0.86	6-3-02 10-22-02	0 0	-- --	-- --
03578725 Hardaway Branch at Old Brick Church Road	Elk River to Tennessee River	Lat 35°20'18", long 86°03'35", Franklin County, Hydrologic Unit 06030003, on Old Brick Church Road, 1.1 mi northeast of Duncantown.	0.75	6-3-02 10-22-02	0 0	-- --	-- --

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
03578975 Rowland Creek at Arnold Center Road	Elk River to Tennessee River	Lat 35°21'29", long 86°04'05", Coffee County, Hydrologic Unit 06030003, on Arnold Center Road, 1.5 mi southwest of AEDC.	*0.81	6-4-02 10-23-02	38.1 9.17	29.1 18.3	146 179
03578980 Rowland Creek Tributary at USTI Road at AEDC near Manchester	Rowland Creek to Elk River to Tennessee River	Lat 35°20'28", long 86°05'35", Franklin County, Hydrologic Unit 06030003, 3.4 mi southwest of AEDC.	*3.11	6-4-02 10-23-02	38 9.11	25.2 19.3	161 173
03578987 Rowland Creek at End of Roadway at AEDC near Manchester	Elk River to Tennessee River	Lat 35°20'10", long 86°06'37", Franklin County, Hydrologic Unit 06030003, 4.3 mi southwest of AEDC at Arnold Road.	*5.19	6-5-02 10-23-02	34.1 11.5	24.6 18.9	162 161
03578988 Rowland Creek Tributary at Rowland Creek near Manchester	Rowland Creek to Elk River to Tennessee River	Lat 35°20'11", long 86°06'42", Franklin County, Hydrologic Unit 06030003, on Arnold Air Force Base Road, 4.2 mi northeast of Estill Springs.	1.02	6-5-02 10-23-02	0 0	-- --	-- --
03579020 Spring Creek in Saltwell Hollow	Elk River to Tennessee River	Lat 35°19'33", long 86°07'39", Franklin County, Hydrologic Unit 06030003, 2.6 mi north of Estill Springs.	*2.75	6-5-02 10-23-03	0 0	-- --	-- --
03579028 Spring Creek Tributary in Saltwell Hollow	Spring Creek to Elk River to	Lat 35°19'06", long 86°07'42", Franklin County, Hydrologic Unit 06030003, 2.6 mi north of Estill Springs.	*2.81	6-5-02 10-23-03	0 0	-- --	-- --
03579035 Spring Creek below Spring Creek Cemetery near Saltwell Hollow	Spring Creek to Elk River to Tennessee River	Lat 35°19'06", long, 86°07'41", Franklin County, Hydrologic Unit 06030003, 1.8 mi north Estill Springs.	*7.67	6-4-02 10-23-02	6.09 4.52	16.1 14.2	99 115
03579040 Spring Creek off Spring Creek Road at AEDC near Manchester	Elk River to Tennessee River	Lat 35°18'16", long, 86°07'21", Franklin County, Hydrologic Unit 06030003, 1.6 mi north of Estill Springs.	*9.57	6-3-02 10-23-02	10.4 8.32	16.8 14.5	105 113
03579050 Spring Creek Tributary off Spring Creek Road near Manchester	Spring Creek to Elk River to Tennessee River	Lat 35°18'17", long 86°07'08", Franklin County, Hydrologic Unit 06030003, 0.9 mi west of Woods Reservoir Dam.	*0.27	6-3-02 10-23-02	.36 .16	18.1 15.5	100 113
03579502 Taylor Creek at Hwy 41 at Estill Springs	Elk River to Tennessee River	Lat 35°16'36", long 86°07'59", Franklin County, Hydrologic Unit 06030003, 0.3 mi northwest of Estill Springs.	2.92	6-4-02 10-23-02	5.42 .71	15.9 14.9	118 126

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
035795025 Dry Creek at Estill Springs	Elk River to Tennessee River	Lat 35°16'35", long 86°08'14", Franklin County, Hydrologic Unit 06030003, 0.4 mi northwest of Estill Springs.	4.75	6-4-02 10-23-02	7.09 7.45	16.6 15.7	85 91
03579503 Dry Creek Northwest of Estill Springs	Elk River to Tennessee River	Lat 35°17'26", long 86°09'46", Franklin County, Hydrologic Unit 06030003, 1.5 mi northwest of Estill Springs.	3.05	6-4-02 10-23-02	0 0	-- --	-- --
035796182 North Fork Rock Creek at Tullahoma	Rock Creek to Elk River to Tennessee River	Lat 35°22'44", long 86°13'49", Coffee County, Hydrologic Unit 06030003, 1.2 mi northwest of Tullahoma	2.65	6-5-02 10-23-02	0 0	-- --	-- --
035796185 North Fork Rock Creek Tributary at Hwy 41 at Tullahoma	North Fork Rock Creek to Rock Creek to Elk River to Tennessee River	Lat 35°22'27", long 86°13'21", Coffee County, Hydrologic Unit 06030003, at Hwy 41 in Tullahoma.	0.73	6-5-02 10-23-02	.03 0	25.3 --	250 --
035796188 West Fork Creek at Tullahoma	Rock Creek to Elk River to Tennessee River	Lat 35°22'10", long 86°13'41", Coffee County, Hydrologic Unit 06030003, at Cedar Lane in Tullahoma.	7.43	6-5-02 10-23-02	.51 .11	22.2 14.7	131 133
03579620 Rock Creek at Tullahoma	Rock Creek to Elk River to Tennessee River	Lat 35°21'34", long, 86°12'47", Coffee County, Hydrologic Unit 06030003, on Lincoln Street at Tullahoma.	*12.68	6-5-02 10-23-02	2.65 1.19	20.6 15.5	116 142
03579623 Rock Creek above sewer outfall at Tullahoma	Rock Creek to Elk River to Tennessee River	Lat 35°20'46", long, 86°12'44", Franklin County, Hydrologic Unit 06030003, 0.4 mi south of Tullahoma.	*13.02	6-5-02 10-23-02	2.40 1.50	20.8 15.7	130 154
03579635 North Fork Rock Creek near Confluence of West Branch Branch	Rock Creek to Elk River to Tennessee River	Lat 35°19'37", long, 86°12'35", Franklin County, Hydrologic Unit 06030003, 1.6 mi south of Tullahoma.	16.35	6-5-02 10-23-02	7.49 5.63	21.6 17.4	437 464
03579640 Blue Creek near Tullahoma	Blue Creek to Elk River to Tennessee River	Lat 35°19'33", long, 86°12'38", Franklin County, Hydrologic Unit 06030003, 2.5 mi south of Tullahoma.	*9.11	6-5-02 10-23-02	.36 .05	17.2 17.0	98 100
03579655 Poorhouse Creek at Hwy 41A near Tullahoma	Rock Creek to to Elk River to Tennessee River	Lat 35°19'51", long, 86°10'54", Franklin County, Hydrologic Unit 06030003, on Hwy 41A, 2.0 mi southeast of Tullahoma.	2.79	6-4-02 10-23-02	.02 0	23.3 --	258 --

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
03579660 Poorhouse Creek near Tullahoma	Poorhouse Creek to Elk River to Tennessee River	Lat 35°18'16", long, 86°11'38", Franklin County, Hydrologic Unit 06030003, 4.0 mi southeast of Tullahoma.	*5.17	6-5-02 10-23-02	3.73 1.75	19.0 14.6	106 111
03579680 Rock Creek near Tullahoma	Rock Creek to Elk River to Tennessee River	Lat 35°17'16", long, 86°11'17", Franklin County, Hydrologic Unit 06030003, 5.2 mi southeast of Tullahoma.	*36.50	6-4-02 10-23-02	19.0 13.5	22.6 15.9	218 260
03595020 Huckleberry Creek Tributary near Hill Cemetery	Huckleberry Creek to Little Duck River to Duck River to Tennessee River	Lat 35°26'44", long, 86°04'40", Coffee County, Hydrologic Unit 06040002, on Hills Chapel Road, 2.2 mi south of Manchester.	0.84	6-3-02 10-22-02	0 0	-- --	-- --
03595030 Huckleberry Creek near Huckleberry Creek Dam	Little Duck River to Duck River to Tennessee River	Lat 35°26'18", long, 86°03'58", Coffee County, Hydrologic Unit 06040002, 2.7 mi southeast of Manchester.	0.75	6-3-02 10-22-02	0 0	-- --	-- --
03595040 Hunt Creek near Dam near I-24	Little Duck River to Duck River to Tennessee River	Lat 35°26'57", long, 86°02'54", Coffee County, Hydrologic Unit 06040002, near I-24, 2.7 mi southeast of Manchester.	6.16	6-4-02 10-22-02	.28 0	31.3 --	66 --
03595050 Hunt Creek Tributary at I-24	Hunt Creek to Little Duck River to Duck River to Tennessee River	Lat 35°26'59", long, 86°02'53", Coffee County, Hydrologic Unit 06040002, on I-24, 2.6 mi southeast of Manchester.	2.46	6-4-02 10-22-02	0 0	-- --	-- --
03595100 Little Duck River southeast of Manchester	Little Duck River to Duck River to Tennessee River	Lat 35°27'44", long, 86°03'54", Coffee County, Hydrologic Unit 06040002, on Hwy 41 1.0 mi north of Interstate 24.	*13.02	6-4-02 10-23-02	3.32 2.39	20.7 16.9	185 235
03595110 Hickory Flat Creek near White Oaks at Manchester	Little Duck River to Duck River to Tennessee River	Lat 35°27'48", long, 86°03'40", Coffee County, Hydrologic Unit 06040002, on Duck River Road, 1.4 mi southeast of Manchester.	1.67	6-4-02 10-22-02	.05 0	21.2 --	206 --
03595200 Wolf Creek near Manchester	Little Duck River to Duck River to Tennessee River	Lat 35°28'52", long, 86°03'51", Coffee County, Hydrologic Unit 06040002. 1.0 mi northeast of Manchester.	*19.32	6-3-02 10-22-02	4.69 4.41	23.0 19.0	189 200
03595255 Roan Buck Branch at Shedd Road near Manchester	Wolf Creek to Little Duck River to Duck River to Tennessee River	Lat 35°29'17", long, 86°01'56", Coffee County, Hydrologic Unit 06040002, on Shedd Road, 2.7 mi northeast of Manchester.	3.36	6-4-02 10-23-02	.09 .05	23.6 12.9	111 230

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
03595258 Wolf Creek at Shedd Road near Manchester	Little Duck River to Duck River to Tennessee River	Lat 35°29'28", long, 86°01'57", Coffee County, Hydrologic Unit 06040002, on Shedd Road, 2.8 mi northeast of Manchester.	12.12	6-3-02 10-23-02	2.83 1.57	23.0 12.8	210 238
03595300 Little Duck River at Hwy 55 at Manchester	Little Duck River to Duck River to Tennessee River	Lat 35°28'49", long, 86°04'46", Coffee County, Hydrologic Unit 06040002, at bridge on State Hwy 55, 0.5 mi south of Interstate 24.	*35.58	6-4-02 10-22-02	10.4 7.29	20.1 13.2	180 215
03595520 Grindstone Hollow Creek at Manchester	Grindstone Hollow Creek to Duck River to Tennessee River	Lat 35°28'56", long, 86°05'32", Coffee County, Hydrologic Unit 06040002, on Oak Street at Manchester.	*2.17	6-4-02 10-22-02	0 0	-- --	-- --
03595700 Little Duck at Grindstone Hollow at Manchester	Little Duck River to Duck River to Tennessee River	Lat 35°29'08", long, 86°06'06", Coffee County, Hydrologic Unit 06040002, 0.7 mi east of Manchester.	*40.87	6-4-02 10-23-02	14.9 13.2	22.7 14.7	177 205
03596000 Duck River below Manchester	Duck River to Tennessee River	Lat 35°28'15", long, 86°07'18", Coffee County, Hydrologic Unit 06040002, 2.0 mi southeast of Manchester.	*112.61	6-4-02 10-22-02	42.8 44.6	23.5 16.0	176 180
03596020 Bates Spring Branch near Manchester	Duck River to Tennessee River	Lat 35°27'17", long, 86°08'09", Coffee County, Hydrologic Unit 06040002, 1.7 mi southeast of Manchester.	1.30	6-4-02 10-23-02	.59 .48	18.0 13.5	70 85
03596023 Cat Creek near Cat Creek Road	Duck River to Tennessee River	Lat 35°27'17", long, 86°06'52", Coffee County, Hydrologic Unit 06040002, 1.6 mi southwest of Manchester.	1.24	6-4-02 10-22-02	.36 .41	20.3 16.0	72 82
035960745 Crumpton Creek at AEDC near Old Hillsboro Road	Duck River to Tennessee River	Lat 35°24'00", long, 86°03'15", Coffee County, Hydrologic Unit 06040002, 1.5 mi north of AEDC.	1.47	6-4-02 10-22-02	0 0	-- --	-- --
035960755 Sinking Pond Outfall at AEDC near Manchester	Sinking Pond to Crumpton Creek to Duck River to Tennessee River	Lat 35°24'00", long, 86°03'40", Coffee County, Hydrologic Unit 06040002, on Old Hillsboro Road, 1.6 mi northwest of AEDC.	*1.60	6-4-02 10-23-02	0 0	-- --	-- --
035960758 Crumpton Creek Southwest of Sinking Pond at AEDC	Duck River to Tennessee River	Lat 35°23'40", long, 86°03'56", Coffee County, Hydrologic Unit 06040002, 1.2 mi northwest of AEDC.	3.58	6-4-02 10-23-02	.11 0	20.6 --	62 --

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
03596076 Crumpton Creek near Chapel Hill Cemetery	Duck River to Tennessee River	Lat 35°23'23", long, 86°04'26", Coffee County, Hydrologic Unit 06040002, 1.7 mi northwest of AEDC.	*4.16	6-4-02 10-22-02	.15 0	20.2 --	36 --
035960765 Crumpton Creek above Retention Pond Outflow	Duck River to Tennessee River	Lat 35°22'54", long, 86°04'41", Coffee County, Hydrologic Unit 06040002, 1.6 mi west of AEDC.	5.35	6-4-02 10-22-02	0 0	-- --	-- --
035960768 Crumpton Creek Tributary from Retention Pond	Crumpton Creek to Duck River to Tennessee River	Lat 35°22'50", long, 86°04'32", Coffee County, Hydrologic Unit 06040002, 1.6 west of AEDC.	1.35	6-4-02 10-22-02	.05 0	21.4 --	87 --
03596077 Unnamed trib to Crumpton Creek below AEDC near Manchester	Crumpton Creek to Duck River to Tennessee River	Lat 35°22'46", long, 86°04'01", Coffee County, Hydrologic Unit 06040002, on Arnold Air Force Road below Lake outfall.	*1.50	6-4-02 10-23-02	.04 .08	19.0 13.8	175 195
035960775 Crumpton Creek Tributary at Confluence	Crumpton Creek to Duck River to Tennessee River	Lat 35°22'45", long, 86°04'33", Coffee County, Hydrologic Unit 06040002, 1.5 mi west of AEDC.	0.69	6-4-02 10-22-02	.005e 0	-- --	-- --
03596078 Crumpton Creek near Arnold Airport at AEDC near Manchester	Duck River to Tennessee River	Lat 35°22'37", long, 86°05'01", Coffee County, Hydrologic Unit 06040002, on Hillsboro Road, 2.0 mi west of AEDC.	*7.74	6-4-02 10-22-02	0 0	-- --	-- --
03596079 Crumpton Creek at Old Hillsboro Road near Hickerson	Crumpton Creek to Duck River to Tennessee River	Lat 35°23'30", long, 86°06'43", Coffee County, Hydrologic Unit 06040002, on Old Hillsboro Road, 2.0 mi south of Belmont.	*10.45	6-4-02 10-22-02	.95 .37	18.3 15.6	148 171
03596081 Crumpton Creek Tributary at Belmont Road near Hickerson Station	Crumpton Creeek to Duck River to Tennessee River	Lat 35°24'14", long, 86°06'27", Coffee County, Hydrologic Unit 06040002, on Belmont Road, 1.2 mi south of Belmont.	*1.49	6-4-02 10-22-02	0 0	-- --	-- --

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
03596082 Unnamed Tributary to Crumpton Creek at Belmont Road	Crumpton Creek to Duck River to Tennessee River	Lat 35°23'59", long, 86°06'27", Coffee County, Hydrologic Unit 06040002, on Belmont Road, 1.6 mi south southwest of Belmont.	*1.62	6-4-02 10-22-02	0 0	-- --	-- --
03596086 Crumpton Creek at Old Manchester Hwy near Hickerson Station	Duck River to Tennessee River	Lat 35°24'45", long, 86°07'26", Coffee County, Hydrologic Unit 06040002, on Old Manchester Hwy, 1.0 mi southwest of Belmont.	*15.90	6-4-02 10-23-02	.65 0	20.8 --	148 --
035960875 Hickerson Spring Branch at Old Manchester Hwy	Crumpton Creek to Duck River to Tennessee River	Lat 35°24'38", long, 86°07'49", Coffee County, Hydrologic Unit 06040002, 1.1 mi southwest of Belmont.	*4.79	6-4-02 10-23-02	.95 .96	21.0 13.7	167 187
03596088 Crumpton Creek Tributary at Rutledge Falls	Crumpton Creek to Duck River to Tennessee River	Lat 35°24'47", long, 86°08'08", Coffee County, Hydrologic Unit 06040002, 1.2 mi southwest of Belmont.	*1.08	6-4-02 10-23-02	.52 .41	14.3 13.1	102 183
03596090 Crumpton Creek above Rutledge Falls	Crumpton Creek to Duck River to Tennessee River	Lat 35°25'18", long, 86°08'08", Coffee County, Hydrologic Unit 06040002, above county bridge, 0.1 mi north of Rutledge Falls, 0.5 mi northwest of Belmont.	*22.36	6-4-02 10-23-02	4.60 3.05	18.5 12.6	146 188
035960910 Wiley Creek above Landfill	Crumpton Creek to Duck River to Tennessee River	Lat 35°26'10", long, 86°05'49", Coffee County, Hydrologic Unit 06040002, 1.3 mi northeast of Belmont.	1.53	6-3-02 10-22-02	0 0	-- --	-- --
03596092 Wiley Creek at Old Manchester Hwy	Crumpton Creek to Duck River to Tennessee River	Lat 35°24'45", long, 86°07'26", Coffee County, Hydrologic Unit 06040002, on Old Manchester Hwy, 0.9 mi north of Belmont.	*1.74	6-3-02 10-22-02	0 0	-- --	-- --
03596096 Wiley Creek below Wiley Spring at Belmont	Wiley Creek to Crumpton Creek to Duck River to Tennessee River	Lat 35°25'33", long, 86°06'56", Coffee County, Hydrologic Unit 06040002, 0.3 mi northwest of Belmont.	*3.08	6-4-02 10-22-02	3.78 .89	15.0 15.5	155 200
03596099 Wiley Creek at Rutledge Falls	Crumpton Creek to Duck River to Tennessee River	Lat 35°25'21", long, 86°08'07", Coffee County, Hydrologic Unit 06040002, on Rutledge Falls Road, 1.6 mi north of Hickerson Station.	*4.65	6-4-02 10-23-02	5.81 2.72	16.7 12.7	157 195

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
03596120 Crumpton Creek below Rutledge Falls	Duck River to Tennessee River	Lat 35°25'18", long, 86°06'20", Coffee County, Hydrologic Unit 06040002, 1.2 mi west of Belmont.	27.04	6-4-02 10-23-02	12.7 7.62	18.8 13.9	153 176
03596201 Calanthe Lake Overflow near Tullahoma	Duck River to Tennessee River	Lat 35°24'36", long, 86°12'08", Coffee County, Hydrologic Unit 06040002, 2.4 mi north of Tullahoma.	3.68	6-5-02 10-23-02	1.43 1.13	24.8 16.3	101 126
03596295 Bobo Creek at Carter Blake Road	Duck River to Tennessee River	Lat 35°23'36", long, 86°10'55", Coffee County, Hydrologic Unit 06040002, on Blake Road, 2.5 mi northeast of Tullahoma.	6.47	6-4-02 10-23-02	.77 .65	17.1 15.5	105 143
03596302 Bobo Creek above Short Spring	Duck River to Tennessee River	Lat 35°24'21", long, 86°10'42", Coffee County, Hydrologic Unit 06040002, 2.8 mi northeast of Tullahoma.	8.32	6-4-02 10-23-02	1.19 1.21	21.7 13.7	111 149
03596304 Machine Falls Branch above Falls near Mt. Vernon	Bobo Creek to Duck River to Tennessee River	Lat 35°24'45", long, 86°10'43", Coffee County, Hydrologic Unit 06040002, 0.6 mi southwest of Mt. Vernon.	1.43	6-5-02 10-23-02	.61 .41	18.1 12.9	64 81

TENNESSEE RIVER BASIN

Hamilton county, TN special study

A series of low-flow discharge measurements were made April 16, 2002, in the vicinity of Chattanooga, TN (Hamilton county), to define areas of potential ground-water supplies, low-flow hydrology and quality of water. The measurements were made during a period of constant base flow.

Stream	Tributary to	Location	Date	Drainage area (mi^2)	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN					
03566516 North Chickamauga Creek	Tennessee River	Lat 35°14'54", long 85°15'24", Hamilton County, Hydrologic Unit 06020001, 1.1 mi east of Boston Branch Lake, and at river mile 20.7.	4-16-02	58.43	40	15.5	24
03566520 North Chickamauga Creek	Tennessee River	Lat 35°14'49", long 85°14'55", Hamilton County, Hydrologic Unit 06020001, 1.4 mi west of Montlake, 2.6 mi northwest of Mile Straight, and at river mile 20.2.	4-16-02	58.96	41	16.5	24
03566522 North Chickamauga Creek	Tennessee River	Lat 35°14'54", long 85°14'21" Hamilton County, Hydrologic Unit 06020001, 0.9 mi north-west of Montlake, 2. 4 mi north of Mile Straight, and at river mile 19.6.	4-16-02	59.59	41	17.5	24
03566524 North Chickamauga Creek	Tennessee River	Lat 35°14'33, long 85°14'12", Hamilton County, Hydrologic Unit 06020001, 0.6 mi west of Montlake, 2.0 mi north of Mile Straight, and at river mile 19.1.	4-16-02	60.21	49	18.0	32
03566525 North Chickamauga Creek	Tennessee River	Lat 35°14'18", long 85°14'05", Hamilton County, Hydrologic Unit 06020001, 0.6 mi west of Montlake, 1.7 mi north of Mile Straight, and at river mile 18.8.	4-16-02	60.55	46	19.0	29
03566528 North Chickamauga Creek	Tennessee River	Lat 35°14'10", long 85°14'03", Hamilton County, Hydrologic Unit 06020001, 0.6 mi south-west of Montlake, 1.6 mi north of Mile Straight, and at river mile 18.6.	4-16-02	60.99	51	18.5	34
03566530 North Chickmauga Creek	Tennessee River	Lat 35°13'20", long 85°13'16", Hamilton County, Hydrologic Unit, 06020001, between Mile Straight and Daisy at Dayton Pike bridge crossing.	4-16-02	62.63a	49	16.0	33
0356653019 North Chickamauga Creek	Tennessee River	Lat 35°12'52", long 85°12'58", Hamilton County, Hydrologic Unit 06020001, at U.S. Highway 27 bridge crossing, 2.6 mi southwest of Daisy.	4-16-02	63.61	30	16.0	34

TENNESSEE RIVER BASIN

Hamilton county, TN special study--continued

Stream	Tributary to	Location	Date	Drainage area (mi^2)	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
035665348 Poe Branch	North Chickamauga Creek to Tennessee River	Lat 35°12'48", long 85°12'52", Hamilton County, Hydrologic Unit 06020001, 0.8 mi east of Mile Straight, 2.4 mi northwest of Middle Valley.	4-16-02	9.81a	3.7	19.5	150
03566535 North Chickamauga Creek	Tennessee River	Lat 35°12'40", long 85°12'55", Hamilton County, Hydrologic Unit 06020001, at Thrasher Pike, 2 mi upstream from Falling Water Creek, and 3 mi southwest of Daisy.	4-16-02	74.0	35	16.5	51
03566543 Falling Water Creek	North Chickamauga Creek to Tennessee River	Lat 35°11'39", long, 85°14'36", Hamilton County, Hydrologic Unit 06020001, at bridge on Dayton Pike, at Falling Water.	4-16-02	13.3	19	12.5	104

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DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
CUMBERLAND RIVER BASIN									
03408500 NEW RIVER AT NEW RIVER, TN									
SEP 2002									
30...	1120	194	263	20.5					
03409500 CLEAR FORK NEAR ROBBINS, TN									
DEC 2001					SEP 2002				
12...	1350	434	59	9.5	18...	1045	5.0	68	24.5
APR 2002									
10...	1450	327	50	13.5					
03410210 SOUTH FORK CUMBERLAND RIVER AT LEATHERWOOD FORD, TN									
JUN 2002					SEP 2002				
04...	1100	166	156	26.5	30...	1510	392	214	21.0
AUG									
14...	1330	22	126	27.5					
03414500 EAST FORK OBEY RIVER NEAR JAMESTOWN, TN									
OCT 2001					APR 2002				
03...	1120	18	285	16.5	02...	1124	1340	95	12.5
NOV					MAY				
15...	1405	19	316	10.0	21...	1215	314	135	15.0
JAN 2002					JUL				
15...	1215	255	130	6.5	18...	1505	23	342	25.0
03415000 WEST FORK OBEY RIVER NEAR ALPINE, TN									
OCT 2001					APR 2002				
03...	0840	8.4	447	14.5	02...	1340	556	208	14.5
NOV					MAY				
15...	1225	9.1	521	10.0	21...	1025	142	225	12.5
JAN 2002					JUL				
15...	0940	94	420	4.5	18...	1356	17	312	27.0
24...	1100	8410	215	10.0	AUG				
25...	1540	1900	237	11.5	27...	1430	7.4	356	27.5
03418070 ROARING RIVER ABOVE GAINESBORO, TN									
OCT 2001					MAR 2002				
16...	1220	52	277	14.0	13...	1240	50	250	11.0
JAN 2002					18...	1205	10700	138	13.0
08...	1045	42	266	3.0	19...	1240	2530	165	14.0
					MAY				
					16...	1030	405	225	15.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

CUMBERLAND RIVER BASIN--Continued

03421000 COLLINS RIVER NEAR MCMINNVILLE, TN

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT 2001					MAY 2002				
02...	1420	176	261	15.5	29...	1826	607	195	20.0
NOV					JUL				
14...	1445	136	292	12.0	18...	1045	187	263	24.5
JAN 2002									
14...	1335	619	219	7.5					
25...	1130	32600	131	10.5					

03424730 SMITH FORK AT TEMPERANCE HALL, TN

OCT 2001					MAY 2002				
04...	1110	18	335	17.7	28...	1505	98	301	23.5
NOV					JUL				
16...	1125	23	318	9.0	18...	1105	36	289	28.0
MAR 2002					AUG				
18...	1526	6890	248	13.0	27...	1120	39	213	26.0

03426385 MANSKER CREEK ABOVE GOODLETTSVILLE, TN

OCT 2001					MAY 2002				
01...	1315	.65	475	20.5	08...	0830	39	395	16.5
NOV					JUL				
14...	1135	3.5	498	11.0	10...	1035	10	341	24.5
JAN 2002					AUG				
07...	0910	11	410	3.0	22...	1241	2.2	417	28.5
MAR									
13...	1430	45	352	12.5					

03426470 DRY CREEK NEAR EDENWOLD, TN

OCT 2001					MAY 2002				
01...	1415	.16	414	17.0	08...	1130	9.3	452	17.5
NOV					JUL				
14...	1320	.53	608	13.0	10...	0855	4.0	557	22.5
JAN 2002					AUG				
07...	1145	2.5	520	6.0	22...	1027	.81	661	24.5
MAR									
13...	1610	9.3	560	12.5					

03427500 EAST FORK STONES RIVER NEAR LASCASSAS, TN

OCT 2001					MAR 2002				
09...	1035	46	390	20.2	11...	1254	96	466	10.5
NOV					MAY				
06...	1135	28	425	14.5	23...	1035	120	368	16.5
JAN 2002					JUL				
18...	1035	81	410	7.0	09...	1030	16	294	25.5
24...	1100	15600	241	13.0					

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
CUMBERLAND RIVER BASIN--Contiued									
03430147 STONERS CREEK NEAR HERMITAGE, TN									
OCT 2001					MAY 2002				
01...	1520	.67	525	18.5	08...	1430	24	457	20.5
NOV					JUL				
14...	0900	1.3	577	10.5	25...	1045	10	443	24.5
JAN 2002					AUG				
07...	1315	6.3	315	4.0	22...	1343	1.9	480	27.5
MAR									
20...	1315	575	268	13.0					
03430550 MILL CREEK NEAR NOLENSVILLE, TN									
OCT 2001					JUL 2002				
04...	1005	.79	600	18.0	11...	1115	18	250	24.5
NOV					AUG				
05...	1000	3.2	615	16.0	13...	1245	.61	600	27.0
JAN 2002					21...	1130	1.5	579	24.5
09...	0915	9.7	538	3.5	SEP				
MAR					06...	1130	.46	682	23.0
14...	1130	40	508	10.0	19...	1035	5.6	405	23.5
MAY									
20...	1130	31	470	17.0					
03431060 MILL CREEK AT THOMPSON LANE NEAR WOODBINE, TN									
OCT 2001					MAY 2002				
09...	1250	4.8	430	19.5	20...	1100	90	516	16.0
16...	1346	37	569	15.5	JUL				
NOV					11...	1355	68	400	27.5
05...	0805	5.1	540	15.5	AUG				
JAN 2002					21...	1235	10	486	27.0
17...	1050	27	515	6.5					
MAR									
14...	1015	82	515	11.0					
03431300 BROWNS CREEK AT STATE FAIRGROUNDS AT NASHVILLE, TN									
OCT 2001					MAR 2002				
01...	0845	1.5	606	15.5	20...	0910	396	337	14.0
23...	1240	1.3	573	21.5	20...	1000	338	388	14.0
NOV					MAY				
08...	1010	2.1	625	12.5	15...	1515	22	525	19.0
30...	0900	3.5	644	9.0	JUL				
JAN 2002					11...	1450	7.9	530	24.0
09...	1105	4.1	581	9.5	AUG				
					21...	1015	5.0	602	23.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
CUMBERLAND RIVER BASIN--Continued									
03431599 WHITES CREEK NEAR BORDEAUX, TN									
OCT 2001					MAY 2002				
01...	1055	.62	655	14.5	14...	1310	153	360	18.0
NOV					JUL				
14...	1450	4.1	578	14.5	11...	0915	39	475	24.5
JAN 2002					AUG				
17...	1020	14	480	7.0	22...	0843	3.8	687	25.0
MAR									
20...	0955	2470	160	13.0					
03431700 RICHLAND CREEK AT CHARLOTTE AVE AT NASHVILLE, TN									
OCT 2001					MAY 2002				
09...	0930	2.5	496	14.0	20...	1300	20	535	17.5
NOV					JUL				
20...	1150	10	470	13.0	17...	0915	12	512	23.5
JAN 2002					AUG				
17...	1235	6.4	490	11.5	22...	1400	4.3	480	27.5
MAR									
27...	0945	65	450	12.0					
03432350 HARPETH RIVER AT FRANKLIN, TN									
OCT 2001					MAY 2002				
09...	0941	24	367	13.5	29...	0837	60	393	21.0
JAN 2002					JUN				
17...	1335	62	406	6.5	28...	1110	3.8	354	30.0
MAR					JUL				
19...	1200	2300	296	13.0	29...	0858	6.6	649	25.0
APR									
29...	1320	97	320	19.0					
034323531 HARPETH RIVER TRIB AT MACK HATCHER PARKWAY									
OCT 2001					MAY 2002				
05...	1422	.02	628	20.0	13...	1049	25	413	18.5
16...	1037	1.6	626	16.0	JUL				
NOV					15...	1025	.08	487	22.0
16...	1410	.04	578	14.0	AUG				
JAN 2002					23...	1125	.27	496	24.5
17...	0935	.28	583	10.0	SEP				
MAR					26...	1355	30	192	19.5
13...	0950	.74	550	12.5					
03432387 SOUTH PRONG SPENCER CREEK NEAR FRANKLIN, TN									
OCT 2001					MAY 2002				
09...	1335	.34	775	17.0	13...	1155	49	685	18.0
NOV					JUL				
16...	1142	.19	730	12.0	15...	0941	.86	628	21.5
JAN 2002					AUG				
17...	1050	.93	587	10.0	20...	1250	.16	684	24.5
MAR									
13...	0800	2.3	521	11.0					

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
				CUMBERLAND RIVER BASIN--Continued					
				03432390 SPENCER CREEK NEAR FRANKLIN, TN					
OCT 2001					MAR 2002				
09...	1235	3.4	706	15.5	13...	1100	9.9	588	12.0
NOV					MAY				
16...	1254	2.0	727	13.0	13...	1325	111	432	18.5
29...	1058	944	160	15.0	JUL				
DEC					15...	1235	6.2	613	22.0
11...	1315	29	593	13.5	AUG				
JAN 2002					20...	1140	3.6	665	24.0
17...	1240	4.4	644	9.5					
				03432400 HARPETH RIVER BELOW FRANKLIN, TN					
OCT 2001					MAY 2002				
09...	1238	38	461	16.0	29...	1021	80	439	20.5
NOV					JUN				
30...	1155	4900	214	14.5	28...	1255	18	539	24.0
JAN 2002					JUL				
17...	1420	76	458	7.5	29...	1145	20	511	26.0
MAR					AUG				
18...	1035	7580	183	14.0	26...	1220	43	461	25.0
19...	1200	2360	310	13.5					
APR									
29...	1145	126	379	18.5					
				03433500 HARPETH RIVER AT BELLEVUE, TN					
OCT 2001					MAY 2002				
04...	1335	15	513	19.5	22...	1445	302	403	16.5
NOV					JUL				
20...	1236	40	726	11.5	10...	1400	32	416	30.0
JAN 2002					30...	1135	30	350	29.5
10...	1230	179	401	2.5					
MAR									
28...	1430	1420	373	12.0					
				03434500 HARPETH RIVER NEAR KINGSTON SPRINGS, TN					
OCT 2001					MAR 2002				
02...	1650	58	348	19.5	22...	1245	544	352	16.5
NOV					27...	1434	2330	290	12.5
20...	0933	107	507	9.5	JUL				
JAN 2002					10...	1130	186	328	28.5
10...	1030	314	401	5.5					
				03435305 RED RIVER BELOW HIGHWAY 161 NEAR BARREN PLAIN, TN					
OCT 2001					MAR 2002				
04...	0840	29	467	16.0	21...	1433	4630	258	13.0
NOV					MAY				
20...	1300	81	496	10.5	14...	1100	2340	223	16.5
JAN 2002					JUL				
16...	1215	339	432	7.5	16...	1215	266	356	23.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
CUMBERLAND RIVER BASIN--Continued									
03435970 MILLERS CREEK AT TURNERSVILLE									
OCT 2001					MAR 2002				
03...	0850	.51	476	14.5	20...	0922	706	156	12.5
NOV					MAY				
19...	1447	2.7	437	12.5	14...	1530	121	309	15.5
JAN 2002					JUL				
16...	0925	8.5	378	4.5	16...	0910	3.4	418	22.0
FEB									
20...	1025	14	351	12.5					
03436100 RED RIVER AT PORT ROYAL, TN									
OCT 2001					MAR 2002				
03...	1710	80	468	19.0	21...	1201	11000	245	12.5
NOV					MAY				
20...	1020	170	478	9.5	13...	1100	2450	238	19.0
JAN 2002					JUL				
15...	1530	590	348	6.0	16...	1015	494	344	25.0
03436690 YELLOW CREEK AT ELLIS MILLS, TN									
OCT 2001					MAR 2002				
03...	1140	19	308	20.0	25...	1330	337	221	15.0
NOV					MAY				
19...	1215	32	297	13.5	15...	1200	560	212	17.0
JAN 2002					JUL				
15...	1200	80	262	8.5	15...	1045	39	277	25.5
TENNESSEE RIVER BASIN									
03455000 FRENCH BROAD RIVER NEAR NEWPORT, TN									
NOV 2001					AUG 2002				
08...	1340	759	98	10.5	20...	1740	665	159	27.0
JUN 2002									
20...	1245	805	96	26.0					
03461500 PIGEON RIVER AT NEWPORT, TN									
NOV 2001					AUG 2002				
05...	1050	196	394	12.0	20...	1400	255	336	25.5
APR 2002									
18...	1125	449	154	16.0					
03465500 NOLICHUCKY RIVER AT EMBREEVILLE, TN									
OCT 2001					AUG 2002				
09...	1150	316	100	11.5	28...	1140	459	108	23.5
APR 2002					SEP				
24...	1345	771	61	15.5	11...	1240	123	116	22.5
JUL									
11...	1505	346	88	27.0					

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

TENNESSEE RIVER BASIN--Continued

03466208 BIG LIMESTONE CREEK NEAR LIMESTONE, TN

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV 2001				
19...	1140	32	459	10.0
20...	1445	21	434	11.5
DEC				
11...	1130	53	464	9.5
JAN 2002				
22...	1500	50	464	7.0
31...	1200	114	494	12.5
FEB				
22...	1430	43	455	8.0
MAR				
21...	1315	155	431	13.5
22...	0945	170	468	10.0
APR				
18...	1445	55	430	21.0
MAY 2002				
06...	1125	50	472	17.0
29...	1330	24	449	20.5
JUN				
20...	1430	16	420	22.5
JUL				
02...	1135	22	443	24.0
25...	1500	12	427	24.0
AUG				
08...	1230	8.6	442	22.5
21...	1340	13	425	24.5
SEP				
04...	1500	9.2	434	24.0

03467609 NOLICHUCKY RIVER NEAR LOWLAND

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT 2001				
01...	1230	747	234	16.5
NOV				
20...	1130	484	235	16.0
JAN 2002				
22...	1100	3350	141	5.5
FEB				
22...	1045	1300	220	8.0
MAR				
20...	1300	11300	142	13.5
APR				
18...	1030	1600	191	20.5
MAY 2002				
30...	1400	1080	194	24.0
31...	1100	940	196	24.0
JUN				
20...	1100	601	199	24.5
JUL				
25...	1115	746	239	26.0
SEP				
04...	1030	352	207	27.0
11...	1230	239	220	25.0

03469175 LITTLE PIGEON RIVER ABOVE SEVIERVILLE, TN

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
DEC 2001				
20...	1330	248	65	10.0
MAR 2002				
13...	1152	136	97	9.0
MAY 2002				
21...	1245	208	92	13.0
SEP				
13...	1150	15	138	22.0

03491000 BIG CREEK NEAR ROGERSVILLE, TN

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
DEC 2001				
11...	1330	17	390	10.0
MAY 2002				
16...	1100	39	294	15.0
SEP 2002				
12...	1335	1.3	408	21.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
TENNESSEE RIVER BASIN--Continued									
03497300 LITTLE RIVER ABOVE TOWNSEND, TN									
JAN 2002					JUL 2002				
14...	1255	131	16	3.0	18...	1030	75	21	22.0
MAR					SEP				
15...	1055	197	17	10.0	05...	1355	58	21	23.0
MAY									
17...	1025	216	17	14.5					
03498500 LITTLE RIVER NEAR MARYVILLE, TN									
MAR 2002					SEP 2002				
12...	1400	246	118	10.5	04...	1110	88	109	24.5
MAY									
29...	1025	325	90	17.5					
03498850 LITTLE RIVER NEAR ALCOA, TN									
MAR 2002					SEP 2002				
11...	1435	215	137	11.0	05...	1050	78	145	24.5
MAY									
29...	1325	338	106	19.0					
03518500 TELLICO RIVER AT TELLICO PLAINS, TN									
MAR 2002					SEP 2002				
28...	1440	277	21	11.5	06...	1430	54	28	26.0
JUL									
31...	1500	92	26	27.0					
03528000 CLINCH RIVER ABOVE TAZEWELL, TN									
NOV 2001					AUG 2002				
13...	1145	222	432	9.0	13...	1530	169	316	29.0
JUN 2002					SEP				
06...	1155	561	342	27.0	23...	1650	238	373	24.5
03532000 POWELL RIVER NEAR ARTHUR, TN									
JUN 2002					SEP 2002				
05...	1100	355	402	25.0	23...	1320	399	401	22.0
AUG									
13...	1125	115	386	25.5					

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
TENNESSEE RIVER BASIN--Continued									
03535400 BEAVER CREEK AT SOLWAY, TN									
NOV 2001					JUL 2002				
19...	1550	22	489	12.0	08...	1340	27	379	24.0
FEB 2002					AUG				
12...	1135	148	353	8.5	15...	1410	21	456	23.5
APR					SEP				
29...	1240	76	366	17.0	17...	1545	32	468	22.5
03538235 EAST FORK POPLAR CREEK AT BEAR CREEK ROAD AT OAK RIDGE, TN									
DEC 2001					AUG 2002				
03...	1210	11	340	16.5	05...	1030	11	318	18.5
APR 2002					SEP				
02...	1105	15	350	15.5	03...	1045	11	321	21.0
03539600 DADDYS CREEK NEAR HEBBERTSBURG, TN									
DEC 2001					JUN 2002				
04...	1145	74	85	8.0	26...	1125	3.7	138	25.5
APR 2002					AUG				
05...	1200	312	60	9.5	26...	1140	.83	140	25.0
03539778 CLEAR CREEK AT LILLY BRIDGE NEAR LANCING, TN									
NOV 2001					JUN 2002				
19...	1045	10	87	9.0	07...	1130	143	47	23.5
JAN 2002					19...	1100	19	54	23.0
16...	1115	142	47	2.0	JUL				
FEB					24...	1145	36	46	25.5
21...	1300	196	41	6.5	AUG				
MAR					23...	1115	3.0	91	26.5
19...	1230	2110	34	11.5	SEP				
					03...	1200	2.7	76	27.0
03540500 EMORY RIVER AT OAKDALE, TN									
JUN 2002					SEP 2002				
25...	1125	23	85	28.5	03...	1130	9.3	119	28.0
03566000 HIWASSEE RIVER AT CHARLESTON, TN									
OCT 2001					AUG 2002				
22...	1735	3400	103	18.5	27...	1305	1790	56	22.0
MAY 2002									
07...	1250	2870	100	17.5					
035661285 NORTH MOUSE CREEK NEAR ROCKY MT HOLLOW NEAR ATHENS, TN									
NOV 2001					JUL 2002				
14...	1520	14	352	10.5	31...	1220	22	359	22.5
MAR 2002					SEP				
28...	1150	102	287	9.0	06...	1030	17	350	20.5
JUN									
27...	1620	28	321	21.5					

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

TENNESSEE RIVER BASIN--Continued

03571000 SEQUATCHIE RIVER NEAR WHITWELL, TN

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT 2001					MAY 2002				
02...	0755	66	363	15.5	29...	1435	370	228	19.5
NOV					JUL				
07...	1335	52	348	13.0	17...	1005	145	391	24.5
JAN 2002					AUG				
08...	1230	224	153	1.5	21...	1320	63	265	27.0
APR									
12...	1335	5160	129	13.0					

03578000 ELK RIVER NEAR PELHAM, TN

OCT 2001					JUL 2002				
01...	1315	22	231	14.0	01...	1115	11	263	23.0
NOV					17...	1300	4.9	278	24.5
07...	1015	14	233	10.5	26...	1357	3.3	306	24.0
DEC					AUG				
14...	1125	2130	154	15.5	12...	1100	1.7	302	24.0
MAY 2002					20...	1300	4.5	260	26.5
29...	1040	36	193	16.0	SEP				
					20...	0700	1.9	309	23.0

03579040 SPRING CREEK OFF SPRING CREEK ROAD AT AEDC NEAR MANCHESTER

FEB 2002					JUN 2002				
04...	1100	14	83	11.5	03...	1856	10	105	17.0
MAR					JUL				
18...	1110	391	36	12.5	17...	1655	9.0	109	18.5
MAY					AUG				
29...	1255	11	105	16.5	22...	1110	7.4	77	17.5

03584020 RICHLAND CREEK AT HWY 64 NEAR PULASKI, TN

OCT 2001					MAY 2002				
03...	1132	95	320	16.0	15...	1230	407	236	16.5
NOV					17...	1019	310	246	18.0
15...	1205	101	313	11.0	JUL				
JAN 2002					23...	1233	80	255	25.5
17...	1358	213	274	8.0	AUG				
MAR					12...	1005	38	257	23.0
12...	1251	1410	244	9.5					

03588500 SHOAL CREEK AT IRON CITY, TN

OCT 2001					MAR 2002				
03...	0840	187	213	16.5	12...	0853	2070	112	9.5
NOV					MAY				
15...	0902	191	132	10.5	15...	0931	415	95	16.5
30...	1447	13200	71	13.5	JUL				
JAN 2002					23...	1005	191	121	25.0
08...	1550	394	90	7.0					

03593500 TENNESSEE RIVER AT SAVANNAH, TN

OCT 2001					AUG 2002				
24...	1500	48400	189	17.5	29...	1330	1260	164	29.0

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
TENNESSEE RIVER BASIN--Continued									
03595100 LITTLE DUCK RIVER SOUTHEAST OF MANCHESTER, TN									
MAR 2002					JUN 2002				
18...	1405	665	40	14.0	04...	0745	3.3	185	20.5
APR					JUL				
01...	1805	177	44	14.5	18...	0825	1.8	233	20.0
MAY					AUG				
29...	0850	3.5	205	16.5	22...	1610	1.5	191	25.0
03596100 CRUMPTON CREEK AT RUTLEDGE FALLS, TN									
FEB 2002					JUL 2002				
19...	1535	21	161	13.5	17...	1930	7.2	179	19.0
MAR					AUG				
18...	1545	1020	58	12.0	22...	1415	5.7	158	19.5
MAY									
29...	1550	12	162	16.5					
03597210 GARRISON FORK ABOVE L&N RAILROAD AT WARTRACE, TN									
OCT 2001					MAR 2002				
01...	1033	6.3	337	15.0	13...	1012	125	404	11.0
NOV					MAY				
14...	1253	11	353	10.5	16...	0934	142	292	16.5
JAN 2002					AUG				
15...	0951	43	396	5.0	26...	1027	17	270	25.0
03597590 WARTRACE CREEK BELOW COUNTY ROAD AT WARTRACE, TN									
OCT 2001					MAR 2002				
01...	1238	.70	545	14.5	13...	0802	79	450	10.5
NOV					MAY				
14...	1029	1.8	485	10.5	09...	1318	28	484	20.0
JAN 2002					JUL				
15...	0808	14	465	4.0	17...	0945	.61	345	25.5
23...	1530	7090	78	12.5					
03598000 DUCK RIVER NEAR SHELBYVILLE, TN									
OCT 2001					MAR 2002				
04...	0835	194	310	18.5	14...	1548	437	411	13.0
NOV					MAY				
06...	1405	403	172	15.0	16...	1558	514	275	21.0
JAN 2002					JUL				
15...	1430	262	342	6.5	16...	1030	236	180	28.0
25...	1235	18900	145	9.0					

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
TENNESSEE RIVER BASIN--Continued									
03599500 DUCK RIVER AT COLUMBIA, TN									
OCT 2001					MAR 2002				
05...	0930	228	319	18.5	15...	1212	1970	344	12.5
NOV					MAY				
16...	1025	418	299	11.0	22...	1043	688	316	17.5
JAN 2002					JUL				
09...	1035	790	353	3.5	11...	1200	398	220	29.0
25...	1633	46700	135	11.5					
03601990 DUCK RIVER AT HWY 100 AT CENTERVILLE, TN									
OCT 2001					MAR 2002				
02...	1310	575	275	19.0	27...	1043	6890	228	11.5
NOV					MAY				
19...	0930	716	266	12.0	16...	1020	4650	275	18.0
JAN 2002					JUL				
14...	1035	1330	230	3.5	15...	1555	1570	238	28.0
26...	1248	54400	130	11.0					
30...	1115	10900	176	11.5					
03602219 PINEY RIVER AT CEDAR HILL, TN									
OCT 2001					MAY 2002				
02...	0835	7.2	290	14.5	16...	1430	97	224	18.5
NOV					JUL				
19...	1445	14	280	12.5	15...	1300	18	270	24.0
JAN 2002									
14...	1430	36	242	10.0					
03602500 PINEY RIVER AT VERNON, TN									
OCT 2001					MAR 2002				
02...	1035	58	258	15.5	27...	1302	736	166	11.5
NOV					MAY				
19...	1115	78	256	12.5	16...	1300	489	206	17.0
JAN 2002					JUL				
14...	1235	169	231	8.5	11...	1445	179	228	23.0
03604000 BUFFALO RIVER NEAR FLAT WOODS, TN									
FEB 2002					SEP 2002				
20...	1400	764	62	11.0	19...	1115	203	104	25.0
AUG									
07...	1200	233	104	26.5					
03605078 CYPRESS CREEK AT CAMDEN, TN									
NOV 2001					MAY 2002				
14...	1050	5.6	143	11.0	15...	0835	17	96	16.0
FEB 2002					JUN				
21...	1045	37	66	9.0	25...	1215	3.2	137	25.0
APR					AUG				
04...	0845	39	58	10.0	07...	1615	1.1	112	--
03606500 BIG SANDY RIVER AT BRUCETON, TN									
OCT 2001					JUN 2002				
04...	1055	43	33	16.5	26...	1100	107	36	23.5
FEB 2002					AUG				
20...	1215	507	39	11.0	08...	0900	56	41	22.0
APR					SEP				
04...	1200	284	33	12.0	19...	0900	65	41	23.0
MAY									
15...	1130	169	56	17.0					

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OBION RIVER BASIN									
07024305 BEAVER CREEK AT HWY 22 BYPASS NEAR HUNTINGDON, TN									
OCT 2001					JUN 2002				
03...	1730	26	54	17.5	26...	1730	31	55	24.0
NOV					AUG				
13...	1530	36	85	11.5	08...	1045	18	60	21.5
APR 2002					21...	1245	43	78	--
04...	1520	75	56	13.0	SEP				
MAY					18...	1630	31	70	23.0
15...	0900	55	80	17.0					
07024500 SOUTH FORK OBION RIVER NEAR GREENFIELD, TN									
OCT 2001					MAY 2002				
03...	1430	120	46	19.0	14...	1530	662	80	18.0
NOV					JUN				
13...	1325	166	60	13.0	25...	1530	147	56	26.5
APR 2002					SEP				
03...	1535	2190	54	15.5	18...	1305	168	61	23.0
07025400 NORTH FORK OBION RIVER NEAR MARTIN, TN									
APR 2002					AUG 2002				
02...	1000	768	63	15.0	07...	1500	150	85	27.0
JUL					SEP				
10...	1200	155	56	26.0	26...	1600	248	96	20.0
22...	1300	10400	58	22.0	07...	1030	679	85	27.0
07027720 SOUTH FORK FORKED DEER RIVER NEAR OWL CITY, TN									
OCT 2001					MAY 2002				
09...	1400	242	94	15.5	02...	1145	468	85	20.0
FEB 2002					JUN				
08...	1100	1450	79	5.5	13...	1005	462	88	25.0
MAR					JUL				
27...	1245	4120	57	--	29...	1050	243	88	26.5
APR									
10...	1145	1160	69	15.5					
07028960 MIDDLE FORK FORKED DEER RIVER NEAR FAIRVIEW									
OCT 2001					JUN 2002				
03...	1200	56	38	16.5	25...	1400	71	59	23.0
NOV					AUG				
13...	1030	78	47	12.5	21...	1515	96	49	29.0
APR 2002					SEP				
02...	1400	1430	45	15.5	18...	1100	135	50	22.0
HATCHIE RIVER BASIN									
07029500 HATCHIE RIVER AT BOLIVAR, TN									
JAN 2002					JUN 2002				
11...	1515	1930	76	7.0	26...	1215	444	74	29.0
MAY					SEP				
01...	1245	1510	70	20.0	18...	1400	350	54	25.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
LOOSAHATCHIE RIVER BASIN									
07030240 LOOSAHATCHIE RIVER NEAR ARLINGTON, TN									
FEB 2002					JUL 2002				
19...	0930	144	--	12.5	23...	1300	123	59	23.5
APR					SEP				
11...	0930	157	66	16.5	25...	1045	108	62	--
MAY									
06...	1345	165	65	21.0					
WOLF RIVER BASIN									
07030392 WOLF RIVER AT LAGRANGE, TN									
NOV 2001					MAY 2002				
14...	1000	83	38	12.0	02...	1130	265	48	21.0
DEC					08...	1200	306	38	22.0
05...	1445	466	30	12.5	JUN				
JAN 2002					28...	1040	160	47	23.0
09...	1230	291	32	4.5	JUL				
FEB					15...	1400	250	37	24.0
04...	1500	332	32	7.5	AUG				
MAR					08...	1015	111	43	22.0
12...	1200	1120	28	11.0	21...	1000	122	37	23.5
APR									
04...	1400	409	35	13.0					
24...	1230	202	49	19.5					
07030500 WOLF RIVER AT ROSSVILLE, TN									
OCT 2001					AUG 2002				
02...	1200	162	38	16.5	16...	1315	793	47	24.5
FEB 2002					19...	1430	550	49	29.0
20...	1200	1450	22	12.5					
JUN									
28...	1410	277	45	25.0					
07031650 WOLF RIVER AT GERMANTOWN, TN									
NOV 2001					JUL 2002				
14...	1200	311	55	13.5	02...	1225	295	54	27.5
JAN 2002					AUG				
04...	1345	550	48	4.0	15...	1345	1360	47	24.0
MAR									
28...	1300	1140	49	13.0					
07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS									
OCT 2001					APR 2002				
12...	1450	51	84	20.0	24...	1500	8.4	180	22.5
NOV					MAY				
13...	1800	28	114	11.0	06...	1430	4.4	111	19.5
DEC					08...	1430	2.7	119	23.5
05...	1230	E7.0	197	11.0	JUN				
JAN 2002					11...	1530	9.8	108	26.5
09...	0730	5.4	103	3.5	28...	1600	18	58	26.0
FEB					JUL				
04...	1700	5.1	118	8.5	15...	1730	7.4	95	27.5
MAR					22...	1545	5.6	76	28.0
12...	1015	703	52	7.5	AUG				
26...	1430	55	85	5.0	08...	0730	4.6	112	26.5
07031740 WOLF RIVER AT HOLLYWOOD ST AT MEMPHIS, TN									
OCT 2001					MAY 2002				
22...	1240	593	53	17.5	07...	1320	1860	50	21.0
FEB 2002					AUG				
22...	1045	1790	42	10.5	15...	1130	1770	61	25.0
APR					SEP				
01...	1110	6290	61	13.0	17...	1115	692	80	25.0
NONCONNAH RIVER BASIN									
07032200 NONCONNAH CREEK NEAR GERMANTOWN, TN									
NOV 2001					MAR 2002				
14...	0830	.56	162	12.0	28...	1015	31	92	11.5

In 1993, the U.S. Geological Survey (USGS), in cooperation with the Tennessee Department of Transportation (TDOT), began monitoring a degraded wetland area near Millington, Shelby County, Tennessee. The monitoring effort was designed to define land-surface inundation and saturation conditions prior to the implementation of a plan to restore the wetland area to a more natural condition. Restoring and preserving wetlands have become an important initiative in recent years as indicated by the no net loss of wetlands objective of Section 404 of the Clean Water Act (U.S. Congress, 1977). In certain instances, the construction of buildings, roads, and other manmade structures have disrupted natural wetlands and their functions. The Millington site is located along a channelized reach of Big Creek, east of State Route 240, and near the southeastern boundary of the Naval Support Activity Midsouth, Millington (fig. 7). As part of the monitoring effort, 11 wells were augered approximately 2 feet into poorly drained soils, which include the Calloway silt loam, Falaga silt loam, Waverly silt loam, and Henry silt loam.

Additional information on this study area may be obtained from the USGS at 640 Grassmere Park, Suite 100, Nashville, TN 37211 or by telephone (615) 837-4700.

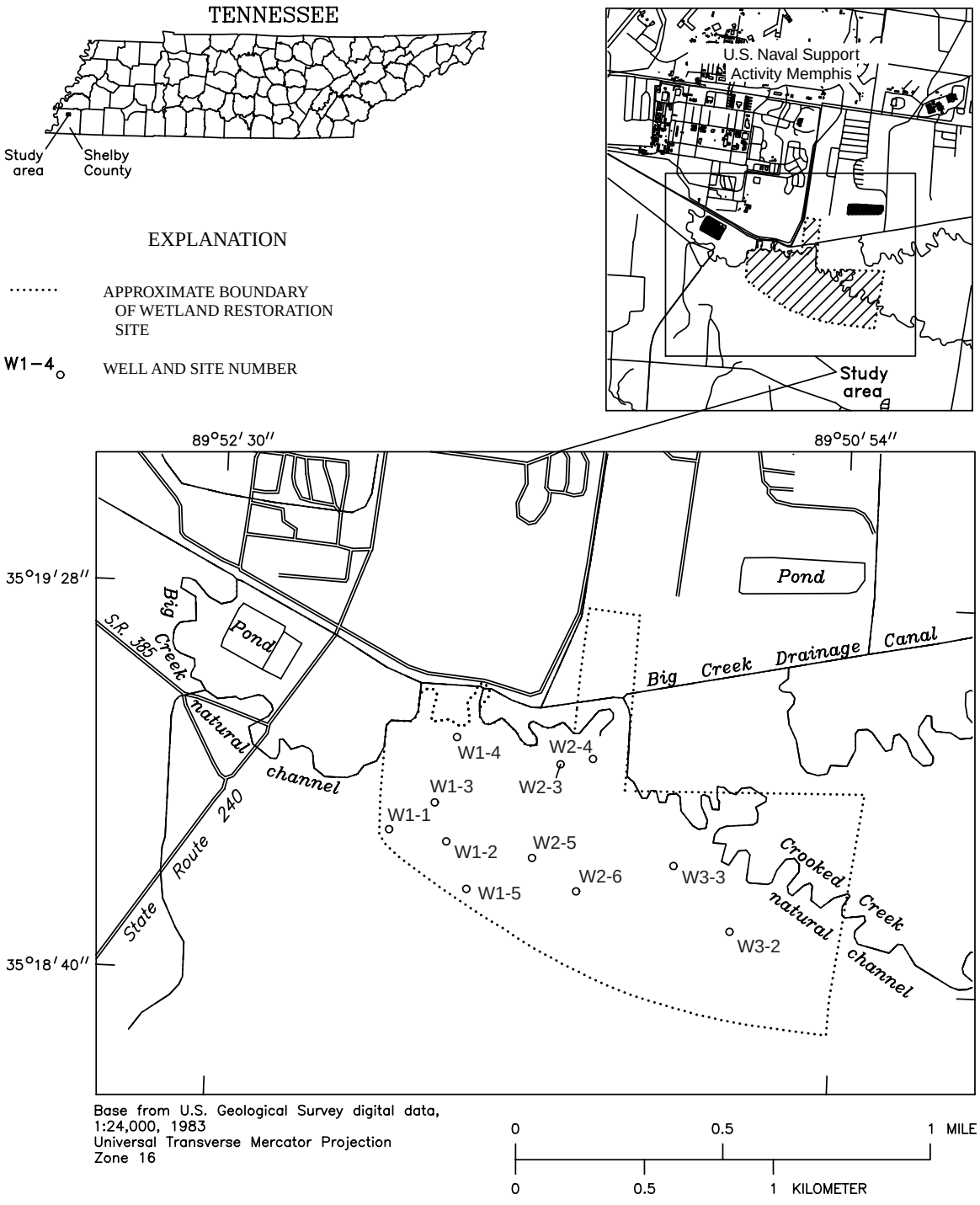


Figure 7. Location of study area and data-collection sites.

MILLINGTON WETLAND

351859089520101. Local number, Sh:V-60 (W1-1).

LOCATION.--Lat 35°18'59", long 89°52'01", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder--60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing approximately 3.60 ft above land-surface datum.

REMARKS.--No missing record. Bottom of well, 2.22 ft below land surface. Negative values indicate water levels above land surface.

PERIOD OF RECORD.--June 1993 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.22	2.22	0.43	1.01	0.38	0.86	0.31	0.64	1.57	2.22	2.22	2.22
2	2.22	2.22	0.56	1.12	0.47	0.68	0.38	1.01	1.98	2.22	2.22	2.22
3	2.22	2.22	0.62	1.17	0.46	0.62	0.57	0.76	2.22	2.22	2.22	2.22
4	2.22	2.22	0.68	1.33	0.52	0.80	0.72	0.33	2.22	2.22	2.22	2.22
5	2.22	2.22	0.77	1.28	0.57	0.87	0.84	0.54	2.22	2.22	2.22	2.22
6	2.22	2.22	0.67	0.58	0.40	0.95	0.95	0.73	2.22	2.22	2.22	2.22
7	2.22	2.22	0.36	0.37	0.22	0.98	1.03	1.06	2.22	2.22	2.22	2.22
8	2.22	2.22	0.39	0.45	0.31	1.02	0.95	1.39	2.22	2.22	2.22	2.22
9	2.22	2.22	0.52	0.47	0.37	0.60	0.63	1.61	2.22	2.22	2.22	2.22
10	2.22	2.22	0.57	0.50	0.45	0.46	0.80	0.80	2.22	2.22	2.22	2.22
11	2.08	2.22	0.62	0.36	0.55	0.39	0.93	0.52	2.22	2.22	2.22	2.22
12	1.98	2.22	0.46	0.43	0.55	0.17	1.08	0.85	2.22	2.22	2.22	2.22
13	1.78	2.22	0.23	0.49	0.63	0.30	1.23	0.50	2.22	2.22	2.22	2.22
14	0.79	2.22	0.21	0.53	0.69	0.37	1.35	0.60	2.22	2.22	2.22	2.22
15	1.39	2.22	0.38	0.64	0.69	0.44	1.54	0.96	2.22	2.22	2.22	2.22
16	1.89	2.22	0.32	0.66	0.52	0.51	1.76	1.33	2.22	2.22	2.22	2.22
17	2.17	2.22	0.03	0.69	0.62	0.0	1.95	0.81	2.22	2.22	2.22	2.22
18	2.22	2.22	0.22	0.33	0.69	0.09	2.13	0.54	2.22	2.22	2.22	2.22
19	2.22	2.22	0.40	0.26	0.64	0.19	2.21	0.87	2.22	2.22	2.22	2.22
20	2.22	2.22	0.56	0.38	0.28	0.20	2.22	1.21	2.22	2.22	2.22	1.77
21	2.22	2.22	0.60	0.46	0.42	0.35	2.22	1.59	2.22	2.22	2.22	1.98
22	2.22	2.22	0.58	0.49	0.52	0.47	2.22	1.79	2.22	2.22	2.22	2.22
23	2.22	2.22	0.29	0.34	0.56	0.48	2.22	2.02	2.22	2.22	2.22	2.22
24	2.22	2.22	0.44	0.22	0.60	0.50	2.22	2.21	2.22	2.22	2.22	2.22
25	2.22	2.22	0.52	0.38	0.62	0.54	2.22	2.22	2.22	2.22	2.22	2.22
26	2.22	2.17	0.56	0.45	0.59	0.30	2.22	2.22	2.22	2.22	2.22	1.96
27	2.22	0.42	0.59	0.49	0.72	0.37	2.22	2.22	2.22	2.22	2.22	0.46
28	2.22	0.22	0.59	0.49	0.82	0.42	2.22	2.22	2.22	2.22	2.22	1.37
29	2.22	-0.28	0.66	0.48	---	0.40	2.22	0.66	2.22	2.22	2.22	1.97
30	2.22	0.15	0.80	0.49	---	0.17	1.60	0.65	2.22	2.22	2.22	2.22
31	2.22	---	0.88	0.48	---	0.19	---	1.03	---	2.22	2.22	---

WTR YR 2002 HIGHEST -.34 NOV 29, 2001 LOWEST 2.22 MANY DAYS

MILLINGTON WETLAND--Continued

351859089515501. Local number, Sh:V-61 (W1-2).

LOCATION.--Lat 35°18'59", long 89°51'55", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing 3.00 ft above land-surface datum.

REMARKS.--Missing record, Nov. 6 to Nov. 12 and March 4 to April 2. Bottom of well, 2.24 ft below land surface. Negative values indicate water levels above land surface.

PERIOD OF RECORD.--October 1993 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.24	0.65	-0.07	0.03	-0.09	-0.07	---	-0.09	0.20	2.24	2.24	2.24
2	2.24	0.82	-0.03	0.04	-0.06	-0.11	---	-0.02	0.93	2.24	2.24	2.24
3	2.24	0.59	-0.01	0.05	-0.06	-0.10	1.41	-0.05	1.90	2.24	2.24	2.24
4	2.24	0.49	0.0	0.07	-0.05	---	1.43	-0.13	2.24	2.24	2.24	2.24
5	2.24	0.61	0.02	0.05	-0.03	---	1.45	-0.07	2.24	2.24	2.24	2.24
6	2.24	---	-0.03	-0.11	-0.06	---	1.47	-0.03	2.24	2.24	2.24	2.24
7	2.24	---	-0.16	-0.09	-0.13	---	1.49	0.08	2.24	2.24	2.24	2.24
8	2.24	---	-0.14	-0.07	-0.11	---	1.31	0.29	2.24	2.24	2.24	2.24
9	2.24	---	-0.07	-0.06	-0.09	---	0.60	0.60	2.24	2.24	2.24	2.24
10	2.24	---	-0.05	-0.06	-0.07	---	0.02	0.16	2.24	2.24	2.24	2.24
11	0.25	---	-0.04	-0.08	-0.06	---	-0.02	-0.06	2.24	2.24	2.24	2.24
12	-0.10	---	-0.21	-0.07	-0.05	---	0.00	0.03	2.24	2.24	2.24	2.24
13	-0.18	1.92	-0.23	-0.05	-0.04	---	0.02	-0.10	2.24	2.24	2.24	2.24
14	-0.18	1.95	-0.25	-0.04	-0.02	---	0.05	-0.07	2.24	2.24	2.24	2.24
15	-0.09	2.00	-0.10	-0.02	-0.03	---	0.09	0.01	2.24	2.24	2.24	2.24
16	-0.03	2.05	-0.26	-0.01	-0.05	---	0.15	0.20	2.24	2.24	2.24	2.24
17	0.03	2.11	-0.27	-0.02	-0.04	---	0.25	0.04	2.24	2.24	2.24	2.24
18	0.07	2.16	-0.11	-0.10	-0.02	---	0.43	-0.09	2.24	2.24	2.24	2.24
19	0.13	2.20	-0.08	-0.19	-0.07	---	0.84	-0.02	2.24	2.24	2.24	2.09
20	0.22	2.23	-0.05	-0.10	-0.16	---	1.35	0.07	2.24	2.24	2.24	-0.20
21	0.36	2.24	-0.04	-0.08	-0.09	---	1.83	0.28	2.24	2.24	2.24	0.04
22	0.60	2.24	-0.04	-0.06	-0.07	---	1.99	0.74	2.24	2.24	2.24	0.69
23	0.88	2.24	-0.22	-0.08	-0.07	---	2.10	1.30	2.24	2.24	2.24	1.82
24	0.99	1.26	-0.10	-0.22	-0.06	---	2.20	1.92	2.24	2.24	2.24	2.24
25	-0.05	0.80	-0.07	-0.10	-0.06	---	2.24	2.21	2.24	2.24	---	2.24
26	0.02	0.73	-0.06	-0.08	-0.07	---	2.24	2.24	2.24	2.24	2.24	1.64
27	0.06	-0.21	-0.05	-0.06	-0.06	---	2.24	2.24	2.24	2.24	2.24	-0.14
28	0.13	-0.28	-0.04	-0.06	-0.08	---	2.24	2.23	2.24	2.24	2.24	0.03
29	0.22	-0.43	-0.02	-0.05	---	---	2.24	-0.10	2.24	2.24	2.24	0.17
30	0.35	-0.14	0.00	-0.05	---	---	1.44	-0.07	2.24	2.24	2.24	0.41
31	0.50	---	0.01	-0.06	---	---	---	0.02	---	2.24	2.24	---

WTR YR 2002 HIGHEST -.61 NOV 28, 2001 LOWEST 2.22 MANY DAYS

MILLINGTON WETLAND--Continued

351906089515601. Local number, Sh:V-62 (W1-3).

LOCATION.--Lat 35°19'06", long 89°51'56", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.80 ft above land-surface datum.

REMARKS.--No missing record. Bottom of well, 2.10 ft below land surface.

PERIOD OF RECORD.--October 1993 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	2.10	0.38	1.01	0.20	0.90	0.21	0.68	1.49	2.10	2.10	2.10
2	2.10	2.10	0.58	1.13	0.28	0.71	0.27	1.23	1.72	2.10	2.10	2.10
3	2.10	2.10	0.81	1.18	0.28	0.45	0.43	0.91	1.89	2.10	2.10	2.10
4	2.10	2.10	1.01	1.30	0.33	0.67	0.63	0.23	2.04	2.10	2.10	2.10
5	2.10	2.10	1.19	1.32	0.43	0.80	0.85	0.41	2.10	2.10	2.10	2.10
6	2.10	2.10	1.03	0.29	0.30	0.91	1.02	0.73	2.10	2.10	2.10	2.10
7	2.10	2.10	0.26	0.19	0.15	0.96	1.17	1.19	2.10	2.10	2.10	2.10
8	2.10	2.10	0.21	0.24	0.19	0.99	1.12	1.51	2.10	2.10	2.10	2.10
9	2.10	2.10	0.30	0.27	0.22	0.44	0.55	1.72	2.10	2.10	2.10	2.10
10	2.10	2.10	0.40	0.28	0.28	0.27	0.73	0.77	2.10	2.10	2.10	2.10
11	1.31	2.10	0.51	0.18	0.37	0.27	0.92	0.44	2.10	2.10	2.10	2.10
12	1.19	2.10	0.25	0.23	0.43	0.16	1.07	0.90	2.10	2.10	2.10	2.10
13	1.08	2.10	0.16	0.27	0.55	0.20	1.21	0.36	2.10	2.10	2.10	2.10
14	0.70	2.10	0.17	0.33	0.67	0.26	1.35	0.52	2.10	2.10	2.10	2.10
15	1.44	2.10	0.23	0.45	0.72	0.32	1.47	1.04	2.10	2.10	2.10	2.10
16	1.84	2.10	0.16	0.54	0.42	0.35	1.58	1.48	2.10	2.10	2.10	2.10
17	2.06	2.10	0.15	0.55	0.54	0.13	1.69	0.81	2.10	2.10	2.10	2.10
18	2.10	2.10	0.21	0.18	0.69	0.16	1.78	0.43	2.10	2.10	2.10	2.10
19	2.10	2.10	0.25	0.16	0.68	0.16	1.84	0.93	2.10	2.10	2.10	2.10
20	2.10	2.10	0.35	0.20	0.18	0.15	1.89	1.39	2.10	2.10	2.10	1.36
21	2.10	2.10	0.44	0.24	0.26	0.23	1.94	1.65	2.10	2.10	2.10	1.34
22	2.10	2.10	0.41	0.27	0.36	0.33	1.98	1.81	2.10	2.10	2.10	1.86
23	2.10	2.10	0.17	0.17	0.45	0.41	2.02	1.89	2.10	2.10	2.10	2.09
24	2.10	2.10	0.23	0.15	0.54	0.47	2.07	1.97	2.10	2.10	2.10	2.10
25	2.09	2.10	0.29	0.21	0.62	0.53	2.10	2.07	2.10	2.10	2.10	2.10
26	2.10	2.01	0.35	0.26	0.46	0.18	2.10	2.10	2.10	2.10	2.10	1.65
27	2.10	0.50	0.41	0.31	0.65	0.25	2.10	2.10	2.10	2.10	2.10	0.67
28	2.10	0.38	0.46	0.34	0.80	0.32	2.10	2.10	2.10	2.10	2.10	1.42
29	2.10	0.10	0.57	0.33	---	0.32	2.10	0.70	2.10	2.10	2.10	1.74
30	2.10	0.23	0.75	0.34	---	0.14	1.21	0.64	2.10	2.10	2.10	1.96
31	2.10	---	0.87	0.31	---	0.15	---	1.12	---	2.10	2.10	---

WTR YR 2002 HIGHEST 0.05 NOV 29, 2001 LOWEST 2.10 MANY DAYS

MILLINGTON WETLAND--Continued

351912089515301. Local number, Sh:V-63 (W1-4).

LOCATION.--Lat 35°19'12", long 89°51'53", Hydrologic Unit 08010209, 0.5 mi east of interestion of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--No missing record. Bottom of well, 2.27 below land surface. Negative values indicate water levels above land surface.

PERIOD OF RECORD.--October 1993 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.27	2.27	0.18	0.52	0.14	0.28	0.08	0.07	0.94	2.27	2.27	2.27
2	2.27	2.27	0.30	0.60	0.18	0.23	0.10	0.13	1.27	2.27	2.27	2.27
3	2.27	2.27	0.43	0.66	0.18	0.16	0.12	0.05	1.45	2.27	2.27	2.27
4	2.27	2.27	0.54	0.75	0.19	0.26	0.15	0.01	1.59	2.27	2.27	2.27
5	2.27	2.27	0.66	0.81	0.23	0.28	0.18	0.06	1.70	2.27	2.27	2.27
6	2.27	2.27	0.65	0.28	0.19	0.30	0.21	0.13	1.76	2.27	2.27	2.27
7	2.27	2.27	0.28	0.13	0.09	0.30	0.24	0.29	1.83	2.27	2.27	2.27
8	2.27	2.27	0.17	0.19	0.11	0.29	0.18	0.54	1.88	2.27	2.27	2.27
9	2.27	2.27	0.26	0.20	0.14	0.14	0.10	0.81	1.94	2.27	2.27	2.27
10	2.27	2.27	0.34	0.23	0.16	0.12	0.14	0.26	1.99	2.27	2.27	2.27
11	1.22	2.27	0.38	0.14	0.18	0.12	0.18	0.12	2.04	2.27	2.27	2.27
12	0.86	2.27	0.36	0.19	0.20	0.04	0.19	0.28	2.09	2.27	2.27	2.27
13	1.25	2.27	0.04	0.22	0.21	0.11	0.23	0.06	2.14	2.27	2.27	2.27
14	0.54	2.27	0.04	0.24	0.25	0.14	0.27	0.08	2.19	2.27	2.27	2.27
15	1.28	2.27	0.10	0.30	0.26	0.15	0.33	0.24	2.22	2.27	2.27	2.27
16	1.74	2.27	0.12	0.34	0.17	0.15	0.41	0.52	2.24	2.27	1.97	2.27
17	1.98	2.27	-0.09	0.35	0.20	-0.07	0.53	0.29	2.26	2.27	1.96	2.27
18	2.13	2.27	-0.02	0.13	0.25	-0.07	0.64	0.02	2.27	2.27	2.11	2.27
19	2.24	2.27	0.14	0.07	0.27	0.06	0.79	0.13	2.27	2.27	2.22	2.12
20	2.27	2.27	0.20	0.13	0.08	0.04	0.95	0.31	2.27	2.27	2.27	0.55
21	2.27	2.27	0.24	0.16	0.13	0.10	1.14	0.59	2.27	2.27	2.27	1.16
22	2.27	2.27	0.27	0.18	0.16	0.13	1.22	0.87	2.27	2.27	2.27	1.69
23	2.27	2.27	0.08	0.13	0.18	0.15	1.27	1.10	2.27	2.27	2.27	1.95
24	2.27	2.27	0.14	0.06	0.20	0.15	1.35	1.29	2.27	2.27	2.17	2.12
25	2.27	2.27	0.18	0.13	0.22	0.16	1.43	1.42	2.27	2.27	1.78	2.24
26	2.27	2.27	0.21	0.16	0.16	0.07	1.50	1.53	2.27	2.27	1.97	1.55
27	2.27	0.41	0.24	0.18	0.22	0.11	1.56	1.61	2.27	2.27	2.11	0.62
28	2.27	0.34	0.27	0.19	0.27	0.12	1.61	1.66	2.27	2.27	2.22	1.44
29	2.27	-0.39	0.31	0.19	---	0.11	1.68	0.14	2.27	2.27	2.27	1.77
30	2.27	-0.06	0.38	0.20	---	0.02	0.97	0.20	2.27	2.27	2.27	2.00
31	2.27	---	0.45	0.19	---	0.03	---	0.51	---	2.27	2.27	---

WTR YR 2002 HIGHEST -.46 NOV 29, 2001 LOWEST 2.27 MANY DAYS

MILLINGTON WETLAND--Continued

351853089515101. Local number, Sh:V-64 (W1-5).

LOCATION.--Lat 35°18'53", long 89°51'51", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Missing record, May 3 to May 23 and Sept. 10 to Sept. 16. Bottom of well, 2.25 ft below land surface. Negative values indicate water levels above land surface. Recording stops at 1.71 ft due to blockage at well bottom for the entire 2002 water year.

PERIOD OF RECORD.--October 1993 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.71	1.53	0.09	0.20	0.02	0.16	0.0	0.11	0.87	1.71	1.71	1.71
2	1.71	1.67	0.11	0.25	0.04	0.12	0.0	0.23	1.60	1.71	1.71	1.71
3	1.71	1.49	0.14	0.28	0.04	0.12	0.03	---	1.71	1.71	1.71	1.71
4	1.71	1.19	0.16	0.35	0.05	0.18	0.06	---	1.71	1.71	1.71	1.71
5	1.71	1.39	0.17	0.33	0.07	0.20	0.11	---	1.71	1.71	1.71	1.71
6	1.71	1.59	0.14	0.05	0.03	0.23	0.15	---	1.71	1.71	1.71	1.71
7	1.71	1.71	0.01	0.02	-0.02	0.24	0.18	---	1.71	1.71	1.71	1.71
8	1.71	1.71	0.02	0.04	0.01	0.25	0.15	---	1.71	1.71	1.71	1.71
9	1.71	1.71	0.08	0.05	0.02	0.05	0.11	---	1.71	1.71	1.71	1.55
10	1.71	1.71	0.10	0.06	0.03	0.03	0.17	---	1.71	1.71	1.71	---
11	0.62	1.71	0.12	0.02	0.04	0.0	0.22	---	1.71	1.71	1.71	---
12	0.00	1.71	-0.03	0.04	0.05	-0.11	0.26	---	1.71	1.71	1.71	---
13	0.01	1.71	-0.10	0.05	0.07	0.01	0.32	---	1.71	1.71	1.71	---
14	-0.06	1.71	-0.12	0.06	0.09	0.03	0.41	---	1.71	1.71	1.71	---
15	0.05	1.71	0.02	0.09	0.10	0.03	0.55	---	1.71	1.71	1.71	---
16	0.14	1.71	-0.12	0.11	0.06	0.03	0.78	---	1.71	1.71	1.71	---
17	0.28	1.71	-0.17	0.12	0.09	-0.23	1.08	---	1.71	1.71	1.71	1.71
18	0.44	1.71	0.00	0.0	0.11	-0.06	1.40	---	1.71	1.71	1.71	1.71
19	0.65	1.71	0.03	-0.06	0.11	-0.04	1.69	---	1.71	1.71	1.71	1.46
20	0.95	1.71	0.05	0.02	-0.05	-0.10	1.71	---	1.71	1.71	1.71	-0.15
21	1.23	1.71	0.07	0.04	0.03	0.0	1.71	---	1.71	1.71	1.71	0.07
22	1.46	1.71	0.08	0.05	0.04	0.03	1.71	---	1.71	1.71	1.71	0.42
23	1.66	1.71	-0.08	0.03	0.05	0.03	1.71	---	1.71	1.71	1.71	1.34
24	1.71	1.03	0.02	-0.09	0.06	0.04	1.71	1.71	1.71	1.71	1.53	1.71
25	0.37	0.19	0.04	0.02	0.07	0.04	1.71	1.71	1.71	1.71	0.54	1.71
26	0.33	0.29	0.06	0.04	0.07	-0.03	1.71	1.71	1.71	1.71	1.70	1.09
27	0.64	-0.05	0.06	0.05	0.13	0.01	1.71	1.71	1.71	1.71	1.71	-0.01
28	0.92	-0.10	0.07	0.05	0.14	0.02	1.71	1.59	1.71	1.71	1.71	0.14
29	1.12	-0.26	0.09	0.05	---	-0.03	1.71	0.03	1.71	1.71	1.71	0.33
30	1.30	0.02	0.13	0.05	---	-0.12	0.93	0.11	1.71	1.71	1.71	0.66
31	1.42	---	0.15	0.05	---	-0.11	---	0.33	---	1.71	1.71	---

WTR YR 2002 HIGHEST -.57 NOV 28, 2001 LOWEST 1.71 MANY DAYS

MILLINGTON WETLAND--Continued

351909089513301. Local number, Sh:V-68 (W2-4).

LOCATION.--Lat 35°19'09", long 89°51'33", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.40 ft above land-surface datum.

REMARKS.--Missing record, Nov. 30 to Dec. 10, Jan. 21 to Jan. 22, Jan. 25 to Feb. 7, and May 9 to May 23. Bottom of well, 2.21 ft below land surface. Negative values indicate water levels above land surface.

PERIOD OF RECORD.--October 1993 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.21	2.21	---	0.83	---	0.50	0.12	0.12	1.39	2.21	2.21	2.21
2	2.21	2.21	---	0.93	---	0.38	0.15	0.09	1.92	2.21	2.21	2.21
3	2.21	2.21	---	0.99	---	0.33	0.23	-0.19	2.19	2.21	2.21	2.21
4	2.21	2.21	---	1.13	---	0.45	0.34	-0.43	2.21	2.21	2.21	2.21
5	2.21	2.21	---	1.08	---	0.52	0.44	-0.54	2.21	2.21	2.21	2.21
6	2.21	2.21	---	0.38	---	0.59	0.54	-0.58	2.21	2.21	2.21	2.21
7	2.21	2.21	---	0.33	---	0.62	0.64	-0.42	2.21	2.21	2.21	2.21
8	2.21	2.21	---	0.37	0.12	0.65	0.55	-0.05	2.21	2.21	2.21	2.21
9	2.21	2.21	---	0.40	0.15	0.27	0.30	---	2.21	2.21	2.21	2.21
10	2.21	2.21	---	0.41	0.18	0.16	0.38	---	2.21	2.21	2.21	2.21
11	2.19	2.21	0.32	0.34	0.23	0.13	0.46	---	2.21	2.21	2.21	2.21
12	2.21	2.21	0.11	0.37	0.28	0.08	0.54	---	2.21	2.21	2.21	2.21
13	2.10	2.21	-0.11	0.41	0.35	0.13	0.63	---	2.21	2.21	2.21	2.21
14	1.49	2.21	-0.22	0.47	0.40	0.16	0.75	---	2.21	2.21	2.21	2.21
15	1.70	2.21	0.07	0.55	0.41	0.20	0.96	---	2.21	2.21	2.21	2.21
16	2.04	2.21	-0.08	0.60	0.27	0.20	1.23	---	2.21	2.21	2.21	2.21
17	2.20	2.21	-0.30	0.60	0.35	-0.32	1.47	---	2.21	2.21	2.21	2.21
18	2.21	2.21	-0.04	0.34	0.42	-0.50	1.65	---	2.21	2.21	2.21	2.21
19	2.21	2.21	0.25	0.51	0.38	-0.04	1.82	---	2.21	2.21	2.21	2.21
20	2.21	2.21	0.31	0.66	0.12	0.03	1.96	---	2.21	2.21	2.21	1.37
21	2.21	2.21	0.34	---	0.16	0.12	2.09	---	2.21	2.21	2.21	2.12
22	2.21	2.21	0.30	---	0.20	0.17	2.12	---	2.21	2.21	2.21	2.21
23	2.21	2.21	0.27	0.67	0.25	0.21	2.11	---	2.21	2.21	2.21	2.21
24	2.21	2.21	0.30	-0.08	0.31	0.25	2.17	2.19	2.21	2.21	2.21	2.21
25	2.21	2.21	0.33	---	0.34	0.28	2.21	2.21	2.21	2.21	2.21	2.21
26	2.21	2.12	0.38	---	0.28	0.10	2.21	2.21	2.21	2.21	2.21	1.69
27	2.21	0.26	0.42	---	0.38	0.13	2.21	2.21	2.21	2.21	2.21	0.52
28	2.21	0.11	0.46	---	0.45	0.16	2.21	1.55	2.21	2.21	2.21	1.33
29	2.21	-0.63	0.54	---	---	0.16	2.21	0.15	2.21	2.21	2.21	1.89
30	2.21	---	0.64	---	---	0.05	1.33	0.27	2.21	2.21	2.21	2.20
31	2.21	---	0.72	---	---	0.06	---	0.68	---	2.21	2.21	---

WTR YR 2002 HIGHEST -.86 JAN 24, 2002 LOWEST 2.21 MANY DAYS

MILLINGTON WETLAND--Continued

351848089511001. Local number, Sh:V-70 (W3-2).

LOCATION.--Lat 35°18'48", long 89°51'10", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--No missing record. Bottom of well, 2.24 ft below land surface. Negative values indicate water levels above land surface.

PERIOD OF RECORD.--October 1993 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.57	1.17	0.70	1.09	0.98	1.13	0.65	0.97	1.13	2.24	2.24	2.24
2	1.64	1.20	0.79	1.10	1.04	1.09	0.78	1.06	1.22	2.24	2.24	2.24
3	1.71	1.09	0.86	1.12	1.05	1.13	0.88	0.91	1.29	2.24	2.24	2.24
4	1.79	1.15	0.91	1.14	1.09	1.15	0.93	0.84	1.36	2.24	2.24	2.24
5	1.83	1.19	0.96	1.11	1.10	1.15	0.98	0.98	1.38	2.24	2.24	2.24
6	1.62	1.22	0.90	0.83	1.03	1.16	1.01	1.03	1.23	2.24	2.24	2.24
7	1.67	1.24	0.74	1.02	0.88	1.17	1.04	1.10	1.33	2.24	2.24	2.24
8	1.78	1.25	0.72	1.06	1.01	1.17	1.04	1.16	1.43	2.24	2.24	2.24
9	1.90	1.27	0.83	1.08	1.05	0.88	1.01	1.18	1.52	2.24	2.24	2.24
10	1.98	1.26	0.88	1.08	1.10	1.03	1.08	0.95	1.54	2.24	2.24	2.24
11	0.55	1.27	0.92	1.02	1.10	0.91	1.11	1.04	1.29	2.24	2.24	2.24
12	0.65	1.30	0.55	1.08	1.11	0.36	1.14	1.14	1.43	2.24	2.24	2.24
13	0.52	1.30	0.36	1.10	1.14	0.69	1.17	0.85	1.58	2.24	2.24	2.24
14	0.51	1.31	0.32	1.13	1.14	0.79	1.19	1.03	1.63	2.24	2.24	2.24
15	0.71	1.32	0.66	1.17	1.14	0.88	1.24	1.11	1.81	2.24	2.24	2.24
16	0.81	1.34	0.36	1.15	1.10	0.93	1.29	1.18	2.01	2.24	2.24	2.24
17	0.86	1.35	0.21	1.13	1.14	0.08	1.32	0.70	2.08	2.24	2.24	2.24
18	0.89	1.34	0.57	0.98	1.15	0.37	1.33	0.74	2.23	2.24	2.24	2.24
19	0.94	1.30	0.73	0.75	1.03	0.55	1.39	0.85	2.24	2.24	2.24	2.24
20	0.98	1.24	0.83	0.96	0.81	0.38	1.42	0.94	2.24	2.24	2.24	1.25
21	1.01	1.29	0.87	1.02	1.01	0.69	1.50	1.02	2.24	2.24	2.24	0.84
22	1.02	1.32	0.89	1.03	1.05	0.78	1.40	1.09	2.24	2.24	2.24	0.93
23	1.04	1.32	0.56	1.01	1.06	0.84	1.50	1.15	2.24	2.24	2.24	1.00
24	0.96	1.00	0.79	0.49	1.08	0.90	1.57	1.20	2.24	2.24	2.24	1.06
25	0.95	1.19	0.86	0.72	1.09	0.95	1.82	1.25	2.24	2.24	2.24	1.08
26	1.06	1.18	0.91	0.81	1.09	0.74	2.04	1.28	2.24	2.24	2.24	0.70
27	1.09	0.59	0.95	0.88	1.12	0.91	2.12	1.30	2.24	2.24	2.24	0.35
28	1.11	0.42	0.98	0.92	1.13	0.96	2.18	1.23	2.24	2.24	2.24	0.69
29	1.13	0.03	1.03	0.96	---	0.86	2.24	0.73	2.24	2.24	2.24	0.80
30	1.14	0.47	1.05	0.99	---	0.47	1.61	0.92	2.24	2.24	2.24	0.87
31	1.15	---	1.06	1.00	---	0.34	---	1.04	---	2.24	2.24	---

WTR YR 2002 HIGHEST -.11 NOV 28, 2001 LOWEST 2.24 MANY DAYS

MILLINGTON WETLAND--Continued

351856089511901. Local number, Sh:V-71 (W3-3).

LOCATION.--Lat 35°18'56", long 89°51'19", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--No missing record. Bottom of well, 2.37 ft below land surface. Negative values indicate water levels above land surface.

PERIOD OF RECORD.--October 1993 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.46	-0.82	-1.31	-0.86	-0.92	-0.69	-1.28	-0.99	-0.99	2.37	2.37	2.37
2	-0.41	-0.80	-1.21	-0.83	-0.88	-0.68	-1.18	-0.95	-0.94	2.37	2.37	2.37
3	-0.37	-0.80	-1.14	-0.82	-0.87	-0.69	-1.09	-0.96	-0.90	2.37	2.37	2.37
4	-0.33	-0.79	-1.09	-0.79	-0.84	-0.67	-1.04	-1.03	-0.86	2.37	2.37	2.37
5	-0.31	-0.77	-1.04	-0.79	-0.81	-0.65	-0.99	-1.00	-0.81	2.37	2.37	2.37
6	-0.33	-0.76	-1.01	-0.88	-0.83	-0.63	-0.95	-0.96	-0.81	2.37	2.37	2.37
7	-0.30	-0.73	-1.05	-0.89	-0.88	-0.62	-0.91	-0.91	-0.78	2.37	2.37	2.37
8	-0.27	-0.71	-1.23	-0.86	-0.87	-0.60	-0.89	-0.87	-0.74	2.37	2.37	2.37
9	-0.23	-0.68	-1.16	-0.85	-0.86	-0.68	-0.88	-0.85	-0.69	2.37	2.37	2.37
10	-0.18	-0.65	-1.11	-0.84	-0.83	-0.82	-0.85	-0.90	-0.65	2.37	2.37	2.37
11	-0.68	-0.62	-1.07	-0.84	-0.80	-0.81	-0.82	-0.91	-0.65	2.37	2.37	2.37
12	-1.32	-0.59	-1.19	-0.82	-0.77	-1.31	-0.80	-0.88	-0.62	2.37	2.37	2.37
13	-1.27	-0.55	-1.49	-0.80	-0.73	-1.27	-0.77	-0.98	-0.57	2.37	2.37	2.37
14	-1.39	-0.52	-1.50	-0.78	-0.71	-1.16	-0.74	-0.98	-0.54	2.37	2.37	2.37
15	-1.31	-0.49	-1.32	-0.76	-0.69	-1.09	-0.71	-0.94	-0.49	2.37	2.37	2.37
16	-1.24	-0.46	-1.42	-0.75	-0.69	-1.02	-0.67	-0.90	-0.46	2.37	2.28	2.37
17	-1.18	-0.43	-1.64	-0.73	-0.68	-1.53	-0.63	-1.12	-0.44	2.37	2.34	2.37
18	-1.14	-0.40	-1.39	-0.78	-0.66	-1.52	-0.60	-1.27	-0.40	2.37	2.37	2.37
19	-1.10	-0.39	-1.26	-0.97	-0.64	-1.31	-0.56	-1.17	-0.35	2.37	2.37	1.95
20	-1.06	-0.39	-1.17	-1.01	-0.86	-1.39	-0.52	-1.10	-0.29	2.37	2.37	-0.74
21	-1.04	-0.37	-1.11	-0.97	-0.94	-1.27	-0.49	-1.04	-0.21	2.37	2.37	-1.30
22	-1.01	-0.35	-1.06	-0.93	-0.88	-1.17	-0.47	-0.99	-0.08	2.37	2.37	-1.18
23	-0.99	-0.35	-1.23	-0.92	-0.83	-1.11	-0.44	-0.94	0.21	2.37	2.37	-1.10
24	-0.96	-0.45	-1.18	-1.29	-0.79	-1.06	-0.41	-0.90	0.56	2.37	2.27	-1.05
25	-0.99	-0.51	-1.11	-1.27	-0.76	-1.01	-0.36	-0.88	0.93	2.37	1.68	-1.00
26	-0.96	-0.49	-1.05	-1.17	-0.75	-1.05	-0.33	-0.85	1.24	2.37	1.98	-1.05
27	-0.93	-1.16	-1.01	-1.10	-0.72	-1.03	-0.31	-0.82	1.59	2.37	2.19	-1.48
28	-0.90	-1.34	-0.99	-1.05	-0.71	-0.98	-0.28	-0.79	1.87	2.37	2.35	-1.32
29	-0.88	-1.84	-0.95	-1.00	---	-0.97	-0.23	-1.02	2.17	2.37	2.37	-1.24
30	-0.86	-1.49	-0.92	-0.96	---	-1.24	-0.52	-1.09	2.34	2.37	2.37	-1.19
31	-0.84	---	-0.89	-0.93	---	-1.42	---	-1.04	---	2.37	2.37	---

WTR YR 2002 HIGHEST -1.99 NOV 28-29, 2001 LOWEST 2.37 MANY DAYS

MILLINGTON WETLAND--Continued

351855089515301. Local number, Sh:V-74 (W2-5).

LOCATION.--Lat 35°18'55", long 89°51'53", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--No missing record. Bottom of well, 2.12 ft below land surface. Negative values indicate water levels above land surface.

PERIOD OF RECORD.--January 1997 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.12	2.12	1.52	1.47	0.48	1.76	0.23	2.08	2.12	2.12	2.12	2.12
2	2.12	2.12	1.95	1.58	0.65	1.80	0.41	2.12	2.12	2.12	2.12	2.12
3	2.12	2.12	2.12	1.67	0.81	1.77	0.80	2.12	2.12	2.12	2.12	2.12
4	2.12	2.12	2.12	1.75	0.89	1.81	1.24	2.11	2.12	2.12	2.12	2.12
5	2.12	2.12	2.12	1.82	1.10	1.85	1.53	2.12	2.12	2.12	2.12	2.12
6	2.12	2.12	2.10	1.14	1.16	1.90	1.73	2.12	2.12	2.12	2.12	2.12
7	2.12	2.12	1.66	0.33	0.47	1.95	1.89	2.12	2.12	2.12	2.12	2.12
8	2.12	2.12	1.03	0.41	0.19	1.99	1.97	2.12	2.12	2.12	2.12	2.12
9	2.12	2.12	1.78	0.51	0.29	1.44	1.99	2.12	2.12	2.12	2.12	2.12
10	2.12	2.12	1.90	0.60	0.42	1.08	2.06	2.12	2.12	2.12	2.12	2.12
11	0.99	2.12	1.98	0.37	0.65	1.06	2.11	2.12	2.12	2.12	2.12	2.12
12	1.53	2.12	2.01	0.41	0.89	0.08	2.12	2.12	2.12	2.12	2.12	2.12
13	1.65	2.12	0.32	0.52	1.10	0.22	2.12	1.72	2.12	2.12	2.12	2.12
14	1.16	2.12	0.17	0.66	1.30	0.36	2.12	1.90	2.12	2.12	2.12	2.12
15	2.11	2.12	0.26	0.89	1.42	0.56	2.12	2.12	2.12	2.12	2.12	2.12
16	2.12	2.12	0.46	1.10	1.41	0.86	2.12	2.12	2.12	2.12	2.12	2.12
17	2.12	2.12	0.05	1.24	1.42	0.11	2.12	1.15	2.12	2.12	2.12	2.12
18	2.12	2.12	0.12	0.48	1.51	0.10	2.12	1.48	2.12	2.12	2.12	2.12
19	2.12	2.12	0.24	0.13	1.54	0.10	2.12	2.10	2.12	2.12	2.12	1.87
20	2.12	2.12	0.34	0.19	0.18	0.09	2.12	2.12	2.12	2.12	2.12	0.74
21	2.12	2.12	0.52	0.28	0.40	0.23	2.12	2.12	2.12	2.12	2.12	2.10
22	2.12	2.12	0.73	0.39	0.70	0.47	2.12	2.12	2.12	2.12	2.12	2.12
23	2.12	2.12	0.37	0.24	1.02	0.70	2.12	2.12	2.12	2.12	2.12	2.12
24	2.12	2.12	0.21	0.10	1.23	0.92	2.12	2.12	2.12	2.12	2.12	2.12
25	2.12	2.12	0.34	0.20	1.39	1.12	2.12	2.12	2.12	2.12	2.12	2.12
26	2.12	2.10	0.47	0.32	1.45	0.46	2.12	2.12	2.12	2.12	2.12	1.71
27	2.12	1.43	0.62	0.43	1.56	0.50	2.12	2.12	2.12	2.12	2.12	1.03
28	2.12	1.34	0.79	0.55	1.67	0.72	2.12	2.06	2.12	2.12	2.12	2.12
29	2.12	0.06	0.96	0.64	---	0.78	2.12	1.76	2.12	2.12	2.12	2.12
30	2.12	0.74	1.18	0.73	---	0.08	1.85	2.12	2.12	2.12	2.12	2.12
31	2.12	---	1.35	0.85	---	0.09	---	2.12	---	2.12	2.12	---

WTR YR 2002 HIGHEST -.03 JAN 24, 2002 LOWEST 2.12 MANY DAYS

MILLINGTON WETLAND--Continued

351852089512501. Local number, Sh:V-75 (W2-6).

LOCATION.--Lat 35°18'52", long 89°51'25", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 265 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 3.70 ft above land-surface datum.

REMARKS.--No missing record. Bottom of well, 2.10 ft below land surface. Negative values indicate water levels above land surface.

PERIOD OF RECORD.--January 1997 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	2.10	0.00	0.77	0.03	0.66	-0.06	1.36	1.48	2.10	2.10	2.10
2	2.10	2.10	0.07	0.84	0.14	0.37	0.05	1.52	1.74	2.10	2.10	2.10
3	2.10	2.10	0.15	0.82	0.13	0.39	0.34	1.25	1.95	2.10	2.10	2.10
4	2.10	2.10	0.22	1.03	0.24	0.63	0.61	-0.05	2.08	2.10	2.10	2.10
5	2.10	2.10	0.29	0.80	0.33	0.72	0.88	0.15	2.10	2.10	2.10	2.10
6	2.10	2.10	0.17	-0.08	0.07	0.78	1.07	0.47	2.10	2.10	2.10	2.10
7	2.10	2.10	-0.08	-0.07	-0.12	0.76	1.18	1.05	2.10	2.10	2.10	2.10
8	2.10	2.10	-0.06	0.00	-0.06	0.76	1.04	1.38	2.10	2.10	2.10	2.10
9	2.10	2.10	0.05	0.05	0.0	0.13	0.50	1.63	2.10	2.10	2.10	2.10
10	2.10	2.10	0.13	0.07	0.14	0.02	0.74	0.65	2.10	2.10	2.10	2.10
11	1.72	2.10	0.23	-0.05	0.23	-0.03	1.00	0.21	2.10	2.10	2.10	2.10
12	2.01	2.10	-0.06	0.01	0.30	-0.17	1.22	0.71	2.10	2.10	2.10	2.10
13	1.79	2.10	-0.16	0.10	0.47	-0.06	1.38	0.14	2.10	2.10	2.10	2.10
14	1.63	2.10	-0.15	0.20	0.54	0.02	1.51	0.19	2.10	2.10	2.10	2.10
15	1.84	2.10	-0.03	0.39	0.51	0.13	1.66	0.82	2.10	2.10	2.10	2.10
16	1.93	2.10	-0.15	0.41	0.23	0.21	1.81	1.35	2.10	2.10	2.10	2.10
17	2.04	2.10	-0.23	0.40	0.41	-0.27	1.93	0.67	2.10	2.10	2.10	2.10
18	2.10	2.10	-0.10	-0.08	0.52	-0.19	2.02	0.11	2.10	2.10	2.10	2.10
19	2.10	2.10	0.0	-0.16	0.38	-0.14	2.09	0.63	2.10	2.10	2.10	2.10
20	2.10	2.10	0.12	-0.05	-0.09	-0.15	2.10	1.20	2.10	2.10	2.10	1.69
21	2.10	2.10	0.18	0.05	0.04	0.00	2.10	1.58	2.10	2.10	2.10	2.07
22	2.10	2.10	0.10	0.07	0.18	0.13	2.10	1.80	2.10	2.10	2.10	2.10
23	2.10	2.10	-0.12	-0.06	0.27	0.20	2.10	1.93	2.10	2.10	2.10	2.10
24	2.10	2.10	0.0	-0.16	0.37	0.27	2.10	2.04	2.10	2.10	2.10	2.10
25	2.10	2.08	0.09	-0.04	0.40	0.36	2.10	2.10	2.10	2.10	2.10	2.10
26	2.10	1.92	0.16	0.05	0.28	-0.08	2.10	2.10	2.10	2.10	2.10	1.68
27	2.10	-0.04	0.21	0.12	0.48	0.00	2.10	2.10	2.10	2.10	2.10	0.53
28	2.10	-0.17	0.25	0.14	0.62	0.09	2.10	1.95	2.10	2.10	2.10	0.78
29	2.10	-0.29	0.42	0.14	---	0.10	2.10	0.15	2.10	2.10	2.10	1.24
30	2.10	-0.12	0.58	0.14	---	-0.19	1.90	0.37	2.10	2.10	2.10	1.55
31	2.10	---	0.62	0.11	---	-0.17	---	1.03	---	2.10	2.10	---

WTR YR 2002 HIGHEST -.36 NOV 28, 2001 LOWEST 2.10 MANY DAYS

MILLINGTON WETLAND--Continued

351900089511100. Local number, Beaver Pond.

LOCATION.--Lat 35°19'00", long 89°51'11", Hydrologic Unit 08010209, 0.5 mi east of intersection of State Route 385 and Singleton Parkway, near the southeastern boundary of the Naval Support Activity Midsouth.
Owner: Tennessee Department of Transportation (TDOT) and USGS.

DRAINAGE AREA.--0.88 mi^2.

PERIOD OF RECORD.--June 1993 to current year.

GAGE.--Water-level recorders--15-minute interval.

REMARKS.--No missing record. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 3.91 ft. from recorded range in stage, Mar. 2, 1997; minimum .43 ft. Nov. 14, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.05 ft. Nov. 29; minimum, .63 ft. Sept. 16, 18-19.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1.41	1.38	1.39	2.84	2.84	2.84	3.25	3.07	3.18	3.33	3.32	3.33
2	1.38	1.34	1.36	2.84	2.82	2.83	3.19	3.08	3.17	3.32	3.32	3.32
3	1.34	1.31	1.33	2.86	2.82	2.85	3.19	3.19	3.19	3.32	3.31	3.31
4	1.31	1.29	1.30	2.85	2.83	2.84	3.21	3.19	3.20	3.31	3.30	3.31
5	1.29	1.27	1.28	2.83	2.82	2.83	3.22	3.21	3.22	3.34	3.30	3.31
6	1.29	1.26	1.28	2.82	2.80	2.81	3.27	3.22	3.24	3.36	3.34	3.35
7	1.26	1.23	1.24	2.80	2.78	2.79	3.34	3.25	3.28	3.34	3.34	3.34
8	1.23	1.20	1.21	2.78	2.75	2.76	3.38	3.33	3.37	3.34	3.33	3.33
9	1.20	1.17	1.18	2.75	2.73	2.74	3.37	3.36	3.37	3.33	3.33	3.33
10	1.24	1.15	1.16	2.73	2.72	2.73	3.36	3.35	3.36	3.35	3.33	3.33
11	1.97	1.24	1.75	2.72	2.70	2.71	3.35	3.35	3.35	3.35	3.34	3.34
12	2.00	1.97	1.99	2.70	2.68	2.69	3.67	3.35	3.50	3.34	3.34	3.34
13	2.38	2.00	2.18	2.68	2.66	2.67	3.65	3.46	3.52	3.34	3.33	3.33
14	2.74	2.38	2.61	2.66	2.64	2.65	3.63	3.43	3.51	3.33	3.32	3.33
15	2.79	2.74	2.78	2.64	2.63	2.63	3.43	3.39	3.40	3.33	3.32	3.32
16	2.82	2.79	2.80	2.63	2.61	2.62	3.65	3.38	3.53	3.32	3.31	3.32
17	2.84	2.82	2.83	2.61	2.59	2.60	3.89	3.47	3.66	3.35	3.31	3.32
18	2.85	2.84	2.84	2.59	2.57	2.58	3.47	3.38	3.42	3.37	3.33	3.34
19	2.86	2.85	2.86	2.59	2.57	2.58	3.38	3.37	3.38	3.39	3.37	3.38
20	2.87	2.86	2.87	2.59	2.57	2.58	3.37	3.35	3.36	3.39	3.39	3.39
21	2.88	2.87	2.88	2.57	2.55	2.56	3.35	3.34	3.35	3.39	3.38	3.38
22	2.89	2.88	2.89	2.55	2.54	2.54	3.40	3.34	3.36	3.38	3.38	3.38
23	2.89	2.89	2.89	2.54	2.53	2.53	3.44	3.40	3.43	3.38	3.38	3.38
24	2.97	2.89	2.91	2.63	2.53	2.60	3.42	3.40	3.41	3.64	3.38	3.53
25	2.97	2.95	2.96	2.63	2.62	2.62	3.40	3.39	3.40	3.46	3.42	3.44
26	2.95	2.92	2.93	2.90	2.61	2.64	3.39	3.38	3.39	3.42	3.40	3.41
27	2.92	2.89	2.91	2.96	2.90	2.95	3.38	3.37	3.37	3.40	3.38	3.39
28	2.89	2.88	2.88	3.97	2.96	3.20	3.37	3.35	3.36	3.38	3.37	3.38
29	2.88	2.86	2.87	4.05	3.79	3.99	3.35	3.34	3.34	3.37	3.37	3.37
30	2.86	2.85	2.85	3.79	3.25	3.45	3.34	3.33	3.33	3.37	3.36	3.37
31	2.85	2.84	2.85	---	---	---	3.33	3.33	3.33	3.38	3.36	3.36
MONTH	2.97	1.15	2.26	4.05	2.53	2.78	3.89	3.07	3.36	3.64	3.30	3.36

MILLINGTON WETLAND--Continued

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.38	3.36	3.36	3.34	3.33	3.33	3.43	3.37	3.40	3.18	3.17	3.18
2	3.36	3.34	3.35	3.35	3.33	3.34	3.37	3.34	3.35	3.18	3.17	3.17
3	3.35	3.34	3.34	3.34	3.33	3.33	3.34	3.32	3.33	3.29	3.17	3.22
4	3.34	3.33	3.34	3.33	3.31	3.32	3.32	3.31	3.32	3.29	3.27	3.28
5	3.33	3.32	3.33	3.31	3.30	3.31	3.32	3.32	3.32	3.28	3.27	3.27
6	3.35	3.33	3.35	3.30	3.29	3.29	3.32	3.31	3.32	3.27	3.25	3.26
7	3.35	3.35	3.35	3.29	3.28	3.29	3.31	3.31	3.31	3.25	3.23	3.24
8	3.35	3.34	3.35	3.29	3.28	3.28	3.34	3.30	3.32	3.23	3.21	3.22
9	3.35	3.34	3.35	3.38	3.28	3.33	3.33	3.32	3.32	3.22	3.20	3.21
10	3.34	3.34	3.34	3.34	3.33	3.33	3.32	3.30	3.31	3.27	3.21	3.25
11	3.34	3.33	3.33	3.43	3.33	3.35	3.30	3.29	3.30	3.26	3.23	3.25
12	3.33	3.32	3.33	3.61	3.43	3.51	3.29	3.29	3.29	3.23	3.20	3.22
13	3.33	3.32	3.32	3.43	3.40	3.42	3.29	3.28	3.28	3.30	3.20	3.28
14	3.32	3.31	3.31	3.40	3.39	3.39	3.28	3.27	3.28	3.28	3.25	3.26
15	3.32	3.30	3.31	3.39	3.38	3.39	3.27	3.25	3.26	3.25	3.21	3.23
16	3.32	3.31	3.31	3.49	3.36	3.37	3.25	3.23	3.24	3.21	3.18	3.20
17	3.31	3.30	3.30	3.84	3.47	3.72	3.23	3.21	3.22	3.54	3.18	3.35
18	3.30	3.28	3.29	3.78	3.42	3.54	3.21	3.18	3.19	3.44	3.37	3.39
19	3.38	3.28	3.30	3.42	3.39	3.40	3.18	3.15	3.16	3.37	3.34	3.35
20	3.39	3.37	3.38	3.53	3.41	3.47	3.15	3.11	3.13	3.34	3.32	3.33
21	3.39	3.38	3.38	3.42	3.36	3.38	3.11	3.08	3.10	3.32	3.29	3.30
22	3.38	3.37	3.38	3.36	3.33	3.34	3.11	3.08	3.10	3.29	3.26	3.27
23	3.37	3.36	3.37	3.33	3.31	3.32	3.08	3.05	3.07	3.27	3.24	3.25
24	3.37	3.36	3.36	3.31	3.31	3.31	3.05	3.03	3.04	3.24	3.22	3.23
25	3.37	3.36	3.36	3.33	3.31	3.31	3.03	2.99	3.01	3.22	3.20	3.22
26	3.37	3.35	3.36	3.36	3.33	3.34	2.99	2.97	2.98	3.21	3.19	3.21
27	3.35	3.35	3.35	3.34	3.33	3.33	2.97	2.97	2.97	3.19	3.17	3.18
28	3.35	3.34	3.34	3.33	3.33	3.33	2.97	2.94	2.96	3.33	3.16	3.21
29	---	---	---	3.42	3.33	3.34	2.94	2.92	2.93	3.32	3.29	3.30
30	---	---	---	3.50	3.38	3.43	3.18	2.92	3.06	3.29	3.26	3.28
31	---	---	---	3.55	3.43	3.50	---	---	---	3.26	3.23	3.25
MONTH	3.39	3.28	3.34	3.84	3.28	3.38	3.43	2.92	3.20	3.54	3.16	3.25

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3.23	3.20	3.22	2.19	2.15	2.17	1.70	1.67	1.68	1.24	1.21	1.22
2	3.20	3.16	3.18	2.15	2.11	2.13	1.67	1.63	1.65	1.21	1.17	1.19
3	3.16	3.12	3.14	2.14	2.11	2.13	1.63	1.59	1.61	1.17	1.13	1.15
4	3.12	3.08	3.10	2.11	2.07	2.09	1.59	1.54	1.57	1.13	1.09	1.11
5	3.09	3.06	3.07	2.07	2.02	2.05	1.54	1.50	1.52	1.09	1.04	1.07
6	3.09	3.07	3.08	2.02	1.98	2.00	1.50	1.47	1.48	1.04	1.00	1.02
7	3.07	3.03	3.05	1.98	1.94	1.96	1.47	1.41	1.44	1.00	0.95	0.97
8	3.03	2.98	3.01	1.94	1.89	1.91	1.41	1.36	1.39	0.95	0.87	0.92
9	2.98	2.94	2.96	1.89	1.85	1.87	1.36	1.34	1.35	0.87	0.73	0.82
10	2.96	2.91	2.93	1.85	1.81	1.83	1.35	1.31	1.33	0.73	0.67	0.70
11	2.96	2.93	2.94	1.81	1.78	1.79	1.31	1.27	1.29	0.67	0.66	0.66
12	2.93	2.89	2.91	1.83	1.79	1.81	1.27	1.24	1.25	0.66	0.65	0.65
13	2.89	2.86	2.87	1.86	1.81	1.83	1.25	1.21	1.23	0.65	0.64	0.65
14	2.86	2.83	2.85	1.86	1.84	1.85	1.27	1.25	1.26	0.65	0.64	0.64
15	2.83	2.78	2.80	1.85	1.84	1.84	1.32	1.25	1.27	0.64	0.64	0.64
16	2.78	2.75	2.77	1.84	1.81	1.82	1.50	1.32	1.43	0.64	0.63	0.64
17	2.75	2.71	2.73	1.81	1.78	1.79	1.50	1.48	1.50	0.73	0.64	0.65
18	2.71	2.67	2.69	1.79	1.77	1.78	1.48	1.46	1.47	0.64	0.63	0.63
19	2.67	2.62	2.65	1.84	1.78	1.81	1.46	1.42	1.44	1.15	0.63	0.75
20	2.62	2.58	2.60	1.84	1.81	1.83	1.42	1.38	1.40	1.86	1.15	1.58
21	2.58	2.53	2.56	1.81	1.78	1.80	1.38	1.34	1.36	1.87	1.86	1.86
22	2.53	2.49	2.51	1.78	1.75	1.77	1.34	1.30	1.32	1.94	1.86	1.89
23	2.49	2.45	2.47	1.75	1.73	1.74	1.30	1.27	1.29	2.00	1.94	1.98
24	2.45	2.41	2.43	1.73	1.72	1.73	1.47	1.24	1.29	2.04	2.00	2.02
25	2.41	2.37	2.39	1.72	1.69	1.71	1.48	1.47	1.47	2.09	2.04	2.06
26	2.37	2.33	2.35	1.69	1.65	1.67	1.47	1.44	1.46	2.67	2.09	2.27
27	2.33	2.30	2.32	1.65	1.61	1.63	1.44	1.40	1.42	3.19	2.67	3.10
28	2.30	2.26	2.28	1.61	1.56	1.59	1.40	1.36	1.38	3.14	3.06	3.09
29	2.26	2.23	2.25	1.56	1.52	1.54	1.36	1.32	1.34	3.06	3.00	3.03
30	2.23	2.19	2.21	1.67	1.49	1.52	1.32	1.28	1.30	3.00	2.95	2.97
31	---	---	---	1.70	1.67	1.70	1.28	1.24	1.26	---	---	---
MONTH	3.23	2.19	2.74	2.19	1.49	1.83	1.70	1.21	1.40	3.19	0.63	1.40

HAMILTON COUNTY

351428085003600. Local number, Hm:O-15.

LOCATION.--Lat 35°14'28", long 85°00'36", Hydrologic Unit 06020001, at Smith Road and State Highway 58, near Snow Hill. Owner: Savannah Valley Utility District.

AQUIFER.--Knox Dolomite of Cambrian and Ordovician age.

WELL CHARACTERISTICS.--Drilled artesian test well, diameter 10 in., depth 262 ft, cased to 50 ft, open end.

INSTRUMENTATION.--Water-level recorder -- 60-minute intervals.

DATUM.--Elevation of land-surface datum is 735 ft above NGVD of 1929, from topographic map. Measuring point: Instrument shelf, 5.66 ft above land-surface datum.

REMARKS.--Records good. No missing record. Well previously published as "at Savannah Valley". Water level affected by pumping from municipal supply well 300 ft south. Negative values indicate water levels above land-surface.

PERIOD OF RECORD.--May 1975 to current year.

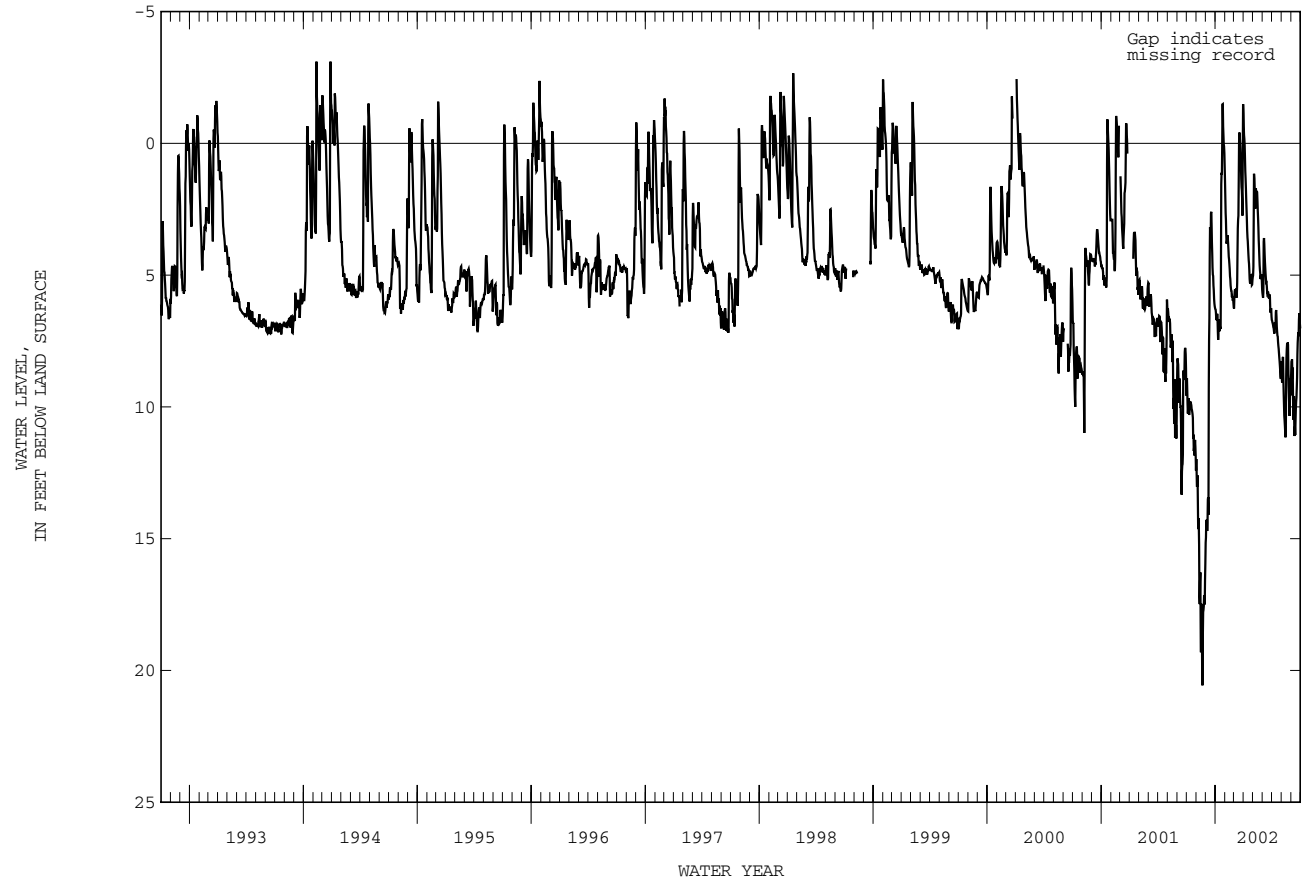
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.33 ft above land-surface datum, Feb. 11, 1994; lowest, 22.45 ft below land-surface datum, Sept. 3, 1988.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.13	13.24	14.73	6.84	3.78	5.58	0.35	1.50	4.24	6.98	8.58	9.49
10	10.40	16.48	15.41	7.62	3.92	6.04	2.53	2.77	4.90	7.34	10.60	10.46
15	10.19	19.26	3.57	7.28	4.84	3.20	4.06	2.25	5.66	6.44	11.42	11.03
20	10.59	21.43	3.54	2.34	5.78	-0.18	5.12	3.94	5.94	7.48	8.49	9.21
25	11.84	19.08	5.34	-0.87	5.97	1.68	5.18	5.16	6.20	8.24	9.91	7.46
EOM	13.37	16.77	6.48	1.28	6.14	-1.37	5.44	5.70	6.67	8.61	9.49	7.14

WTR YR 2002 HIGHEST -2.50 JAN 25, 2002 LOWEST 21.66 NOV 21, 2001

LOWEST MONTHLY WATER LEVEL



HAMILTON COUNTY--Continued

350750085045802. Local number, Hm:O-19.

LOCATION.--Lat 35°07'50", long 85°04'58", Hydrologic Unit 06020001, at Short Trail Spring Road 5.5 mi northwest of Ooltewah. Owner: Eastside Utility District.

AQUIFER.--Chepultepec Dolomite of Lower Ordovician age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 8 in., depth 72.96 ft, cased to 26 ft, open end; former production well.

INSTRUMENTATION.--Water-level recorder -- 15-minute intervals.

DATUM.--Elevation of land-surface datum is 698.5 ft above NGVD of 1929. Measuring point: Instrument shelf, 1.50 ft above land-surface datum.

REMARKS.--Records fair. Missing records April 2 to May 21, May 30 to June 27. Water level affected by pumping from nearby municipal supply wells.

PERIOD OF RECORD.--May 1989 to current year.

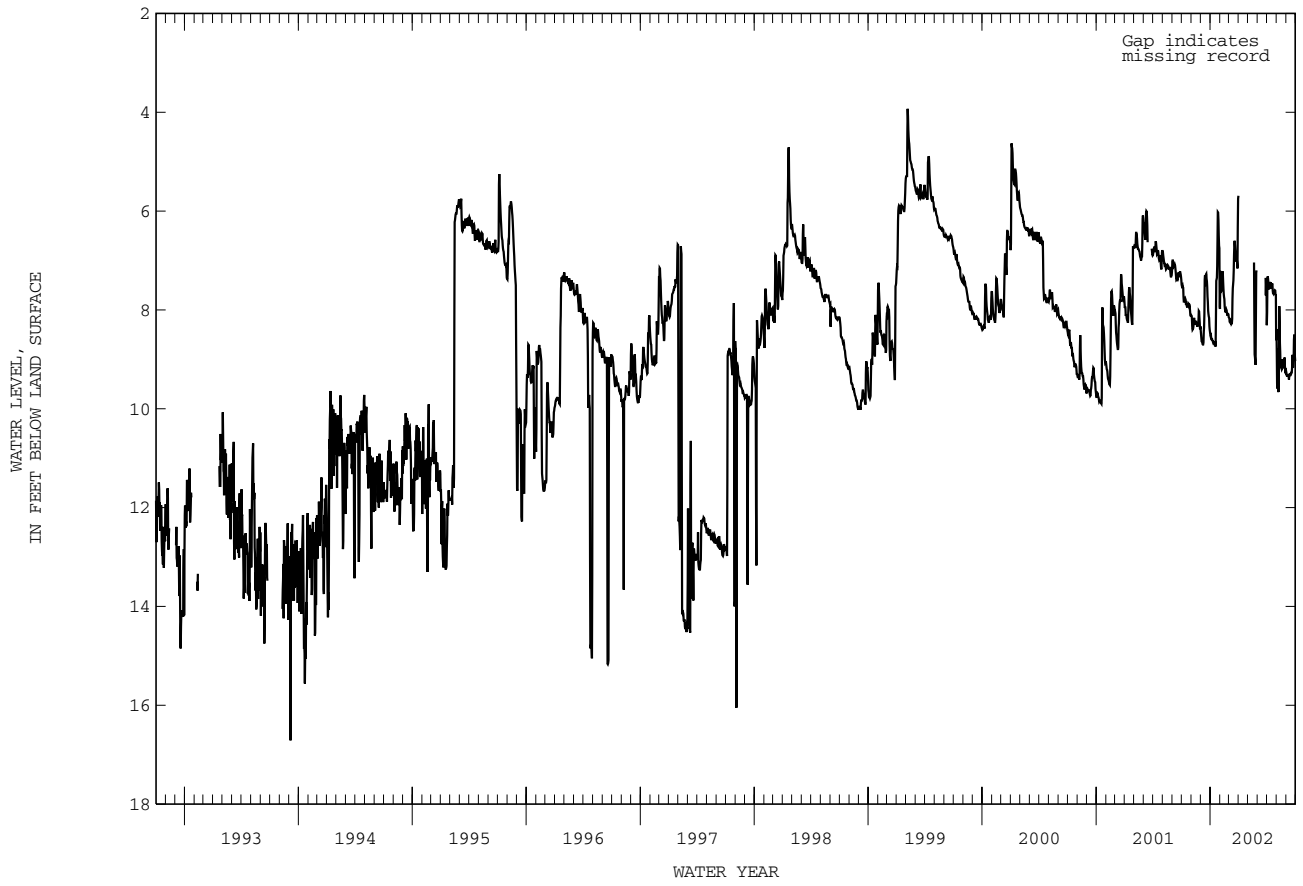
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.71 ft below land-surface datum, June 22, 1989; lowest, 54.29 ft below land-surface datum, Apr. 18, 1990.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.56	8.42	8.64	8.62	7.63	8.30	---	---	---	7.41	9.63	9.91
10	7.80	8.18	8.71	8.69	7.37	8.30	---	---	---	7.54	7.98	9.94
15	7.92	8.25	7.38	8.71	7.84	7.51	---	---	---	7.59	9.65	9.90
20	7.92	8.38	7.41	7.52	8.05	6.62	---	---	---	7.66	9.73	9.92
25	7.96	8.18	8.09	6.14	8.12	7.05	---	9.07	---	7.64	9.69	9.66
EOM	8.14	8.47	8.49	8.72	8.14	5.90	---	---	7.47	9.47	9.87	9.66

WTR YR 2002 HIGHEST 5.67 APR 1, 2002 LOWEST 9.97 SEP 4, 2001

LOWEST MONTHLY WATER LEVEL



LAUDERDALE COUNTY

353839089493500. Local number, Ld:F-4.

LOCATION.--Lat 35°38'39", long 89°49'35", Hydrologic Unit 08010208, 1.1 mi north of State Highway 87 off Crutcher Lake Rd, at Fort Pillow State Park.
Owner: Tennessee Division of Geology and U.S. Geological Survey.

AQUIFER.--Memphis Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 8 to 6 to 3 in., depth 879 ft, cased to 869 ft, screened 869 to 879 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 437.05 ft above NGVD of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

REMARKS.--Records fair. Missing records Nov. 29 to Jan. 26, May 9 to July 23.

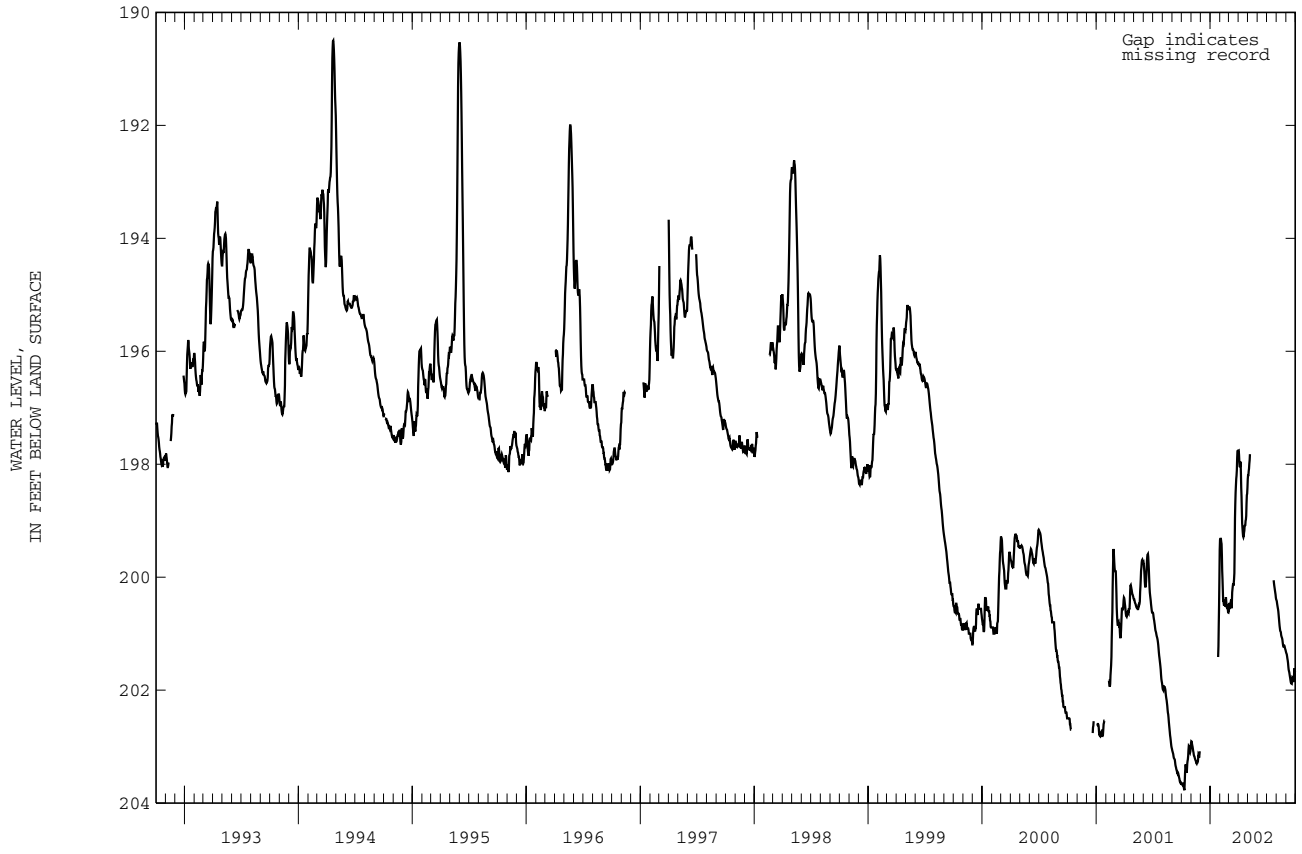
PERIOD OF RECORD.--April 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 187.76 ft below land-surface datum, Apr. 7, 1975; lowest, 203.78 ft below land-surface datum, Oct. 10-11, 2001.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	203.68	203.02	---	---	199.40	200.55	198.05	198.11	---	---	200.55	201.46
10	203.78	203.17	---	---	200.36	200.56	198.49	---	---	---	200.83	201.67
15	203.39	203.25	---	---	200.48	200.12	199.25	---	---	---	200.99	201.85
20	203.27	203.28	---	---	200.38	199.81	199.21	---	---	---	201.13	201.88
25	203.03	203.18	---	---	200.53	198.35	199.01	---	---	200.17	201.21	201.86
EOM	202.98	---	---	199.73	200.63	197.76	198.50	---	---	200.40	201.33	201.69

WTR YR 2002 HIGHEST 197.75 APR 2, 2002 LOWEST 203.78 OCT 10, 2001



LINCOLN COUNTY

350034086422800. Local number, Li:G-1.

LOCATION.--Lat 35°00'34", long 86°42'28", Hydrologic Unit 06030002, on west side of Pepper Road at Taft well field, 0.8 mi south of State Highway 110, at Taft.
Owner: Lincoln Count Board of Public Utilities.

AQUIFER.--Fort Payne Formation of early Mississippian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 106.5 ft, cased to 106.5 ft, slotted from 53 to 87 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Altitude of land-surface datum is 904.00. Measuring point: Top of casing 2.10 ft above land-surface datum.

REMARKS.--Records fair. Missing records November 9 to December 6, December 18 to January 3. Water levels affected by pumpage from Taft Well field for municipal water supply.

PERIOD OF RECORD.--April 1992 to Sept. 1992, Oct. 1995 to current year.

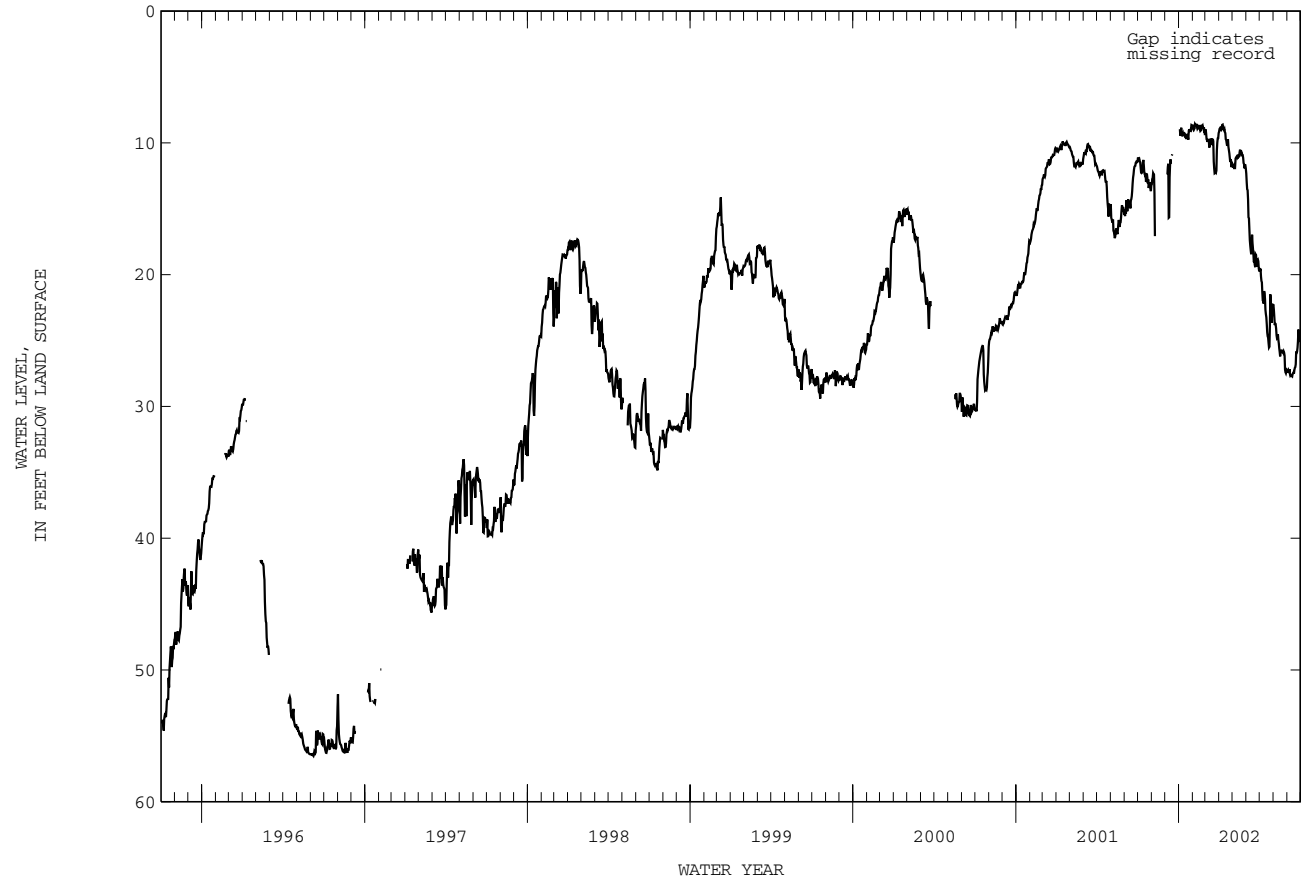
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.10 ft below land-surface datum, Feb. 6, 2002; lowest, 56.53 ft below land-surface datum, Sept. 7, 8, 1996.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.10	13.35	---	9.46	9.08	9.98	9.43	12.47	15.55	21.26	24.10	27.44
10	13.03	---	25.07	9.45	8.85	10.50	9.26	11.54	18.01	22.54	25.20	27.67
15	13.14	---	---	9.80	8.89	9.99	9.73	11.72	18.45	24.06	26.34	27.75
20	13.85	---	---	9.78	8.91	11.70	10.31	11.24	19.89	25.89	26.53	27.32
25	14.33	---	---	9.34	9.10	12.30	11.59	11.57	19.48	22.11	26.59	25.69
EOM	14.35	---	---	8.87	9.50	9.86	11.93	12.77	20.21	23.00	27.48	25.71

WTR YR 2002 HIGHEST 8.10 FEB 6, 2002 LOWEST 27.83 SEP 12, 2002

LOWEST MONTHLY WATER LEVEL



SEVIER COUNTY

353922083345600. Local number, Sv:E-2.

LOCATION.--Lat 35°39'22", long 83°34'56", Hydrologic Unit 06010201, 3.3 mi southwest of Great Smoky Mountains National Park Headquarters, near Gatlinburg.

AQUIFER.--Elkmont Sandstone of Precambrian age.

WELL CHARACTERISTICS.--Drilled unused water-table well in phyllite, sandstone, diameter 6 in., depth 220 ft, cased to 27 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface is 2,150 ft above NGVD of 1929, from topographic map. Measuring point: Floor of recorder shelter 1.5 ft above land-surface datum.

REMARKS.--Records good. No missing record. Highest water level readings may be influenced for short periods by surface inflow.

PERIOD OF RECORD.--May 1979 to current year.

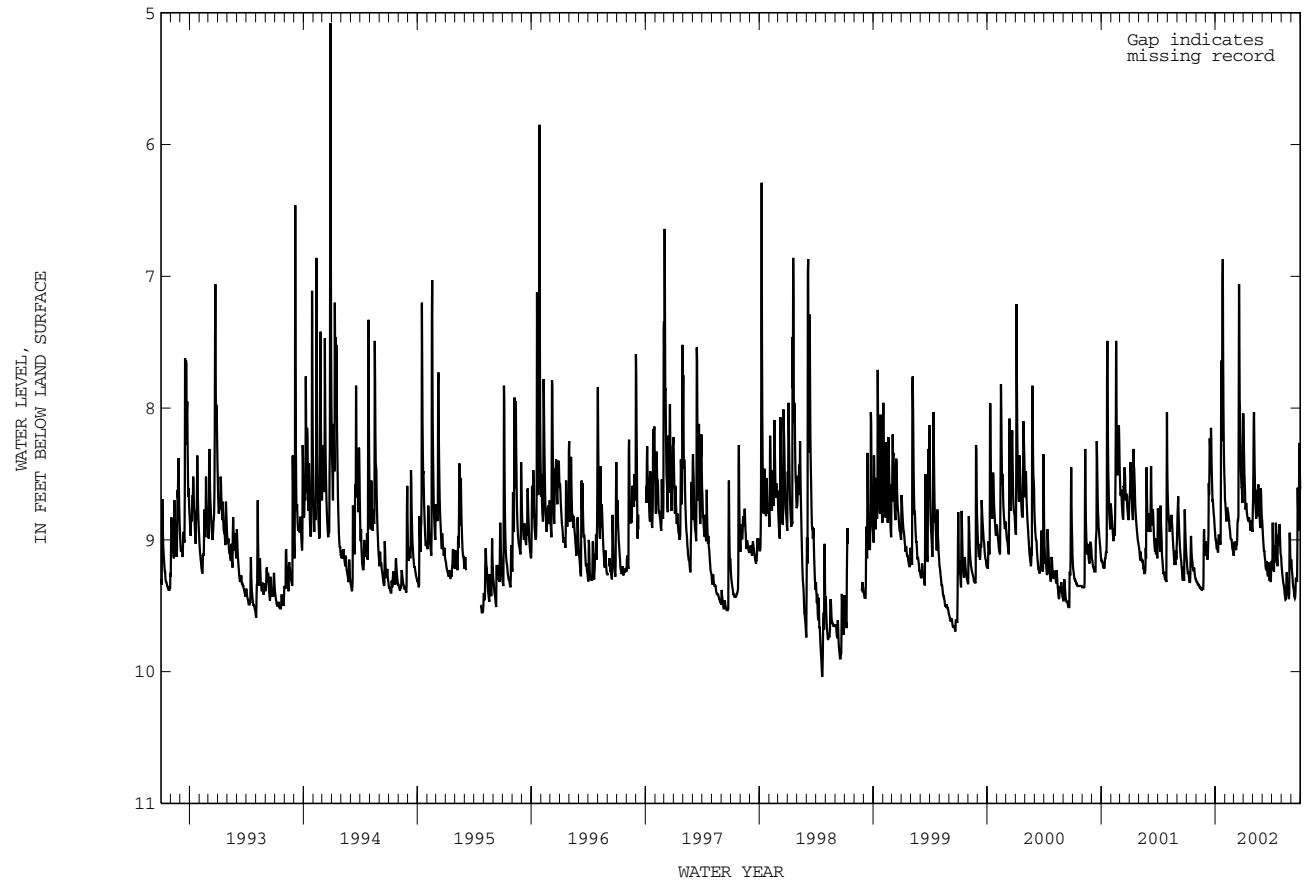
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.48 ft below land-surface datum, Mar. 27, 1994; lowest, 11.66 ft below land-surface datum, Oct. 18, 19, 20, 1998.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.27	9.33	9.13	9.07	8.85	9.05	8.57	8.17	9.09	9.08	9.30	9.29
10	9.32	9.35	9.01	9.09	8.78	9.04	8.74	8.78	9.18	9.13	9.38	9.42
15	9.02	9.37	8.39	9.02	8.90	8.85	8.85	8.77	9.21	8.98	9.46	9.42
20	9.20	9.38	8.49	7.87	9.00	7.99	8.86	8.72	9.22	9.16	9.36	9.34
25	9.25	9.28	8.75	7.23	9.08	8.57	8.95	8.94	9.31	8.88	9.45	8.94
EOM	9.31	9.15	8.95	8.61	9.12	8.15	8.94	8.86	9.21	9.15	9.24	8.73

WTR YR 2002 HIGHEST 6.66 JAN 25, 2002 LOWEST 9.46 AUG 14, 15, 2002

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY

350857089591401. Local number, Sh: P-99.

LOCATION.--Lat 35°08'57", long 89°59'14", Hydrologic Unit 08010210, access road off North Parkway, 0.2 mi south of North Parkway, in Overton Park.
Owner: USGS and Memphis Park Commission.

AQUIFER.--Fluvial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 6 in., depth 59 ft, cased to 53 ft, screened 53 to 59 ft.

INSTRUMENTATION.--Water level recorder -- 60 minute interval.

DATUM.--Elevation of land-surface datum is 271.06 ft above NGVD of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Records good. No missing record.

PERIOD OF RECORD.--July 1968 to current year.

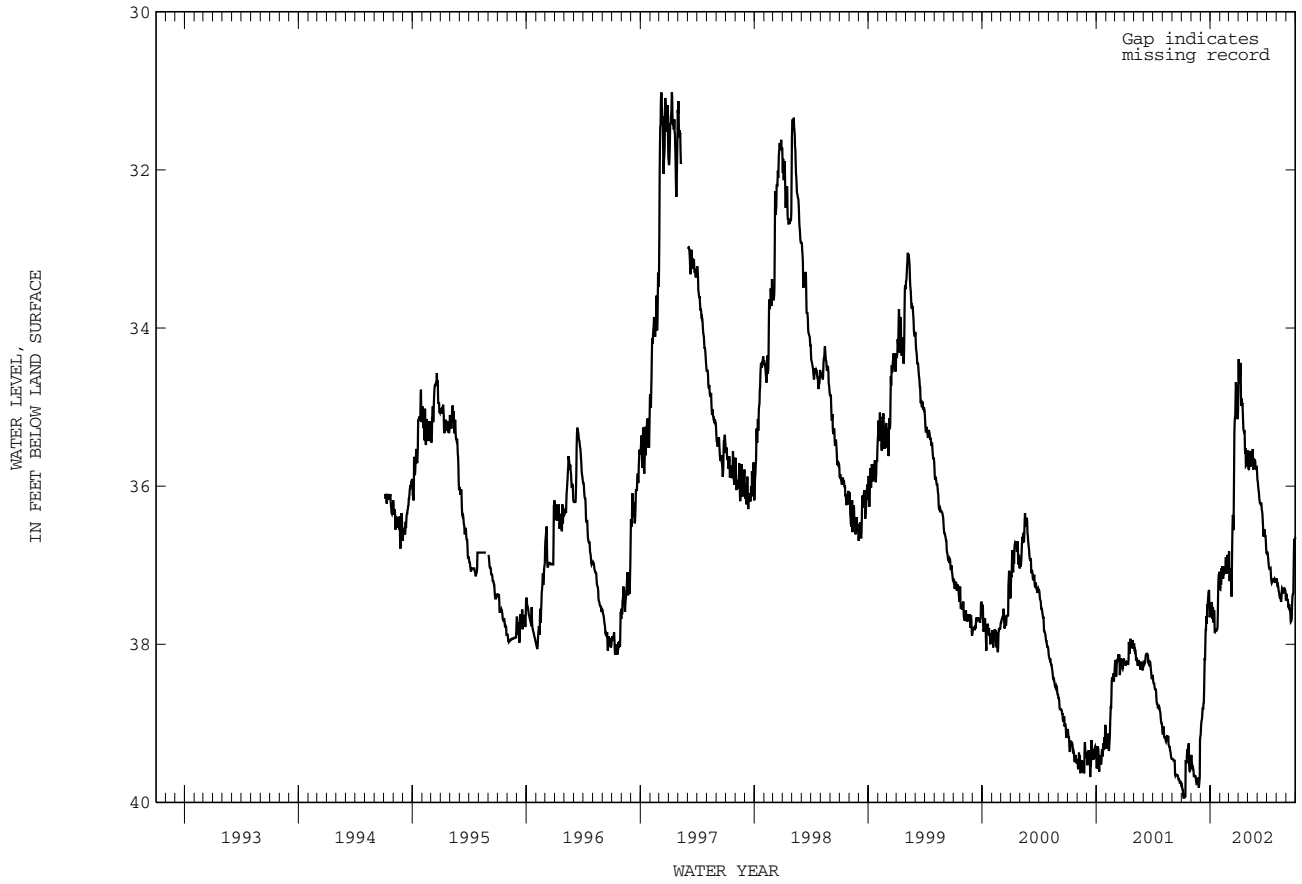
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 29.27 ft below land-surface datum, April 30, 1991; lowest 42.58 ft below land-surface datum, November 15, 1971.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.86	39.55	38.96	37.61	37.26	37.16	34.74	35.82	36.07	36.92	37.27	37.45
10	39.94	39.66	38.78	37.63	37.22	37.47	35.03	35.82	36.24	37.04	37.37	37.52
15	39.49	39.68	38.24	37.87	37.05	36.47	35.13	35.68	36.32	37.20	37.46	37.71
20	39.34	39.76	37.75	37.82	36.99	35.23	35.35	35.79	36.66	37.19	37.31	37.65
25	39.55	39.85	37.44	37.78	36.92	34.84	35.82	35.71	36.64	37.19	37.30	37.35
EOM	39.52	39.19	37.66	37.12	37.08	35.15	35.71	35.88	36.86	37.23	37.45	36.66

WTR YR 2002 HIGHEST 34.34 APR 2, 2002 LOWEST 39.94 OCT 6-11, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

351113089583101. Local number, Sh:P-151.

LOCATION.--Lat 35°11'13", long 89°58'31", Hydrologic Unit 08010210, 350 ft southeast of south abutment of Wolf River bridge at Hollywood Street crossing and 150 ft east of Hollywood Street; at north Hollywood Dump site.
Owner: City of Memphis and U.S. Geological Survey.

AQUIFER.--Alluvial sand and gravel of Holocene age.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 4 in., depth 34.2 ft, cased to 29.2 ft, screened 29.2 to 34.2 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 238.14 ft above NGVD of 1929. Measuring point: Top of inside recorder shelter shelf, 2.00 ft above land-surface datum.

REMARKS.--Records good. Missing records, Dec. 3 to 9, Aug. 26 to Sept. 2.

PERIOD OF RECORD.--October 1996 to current year.

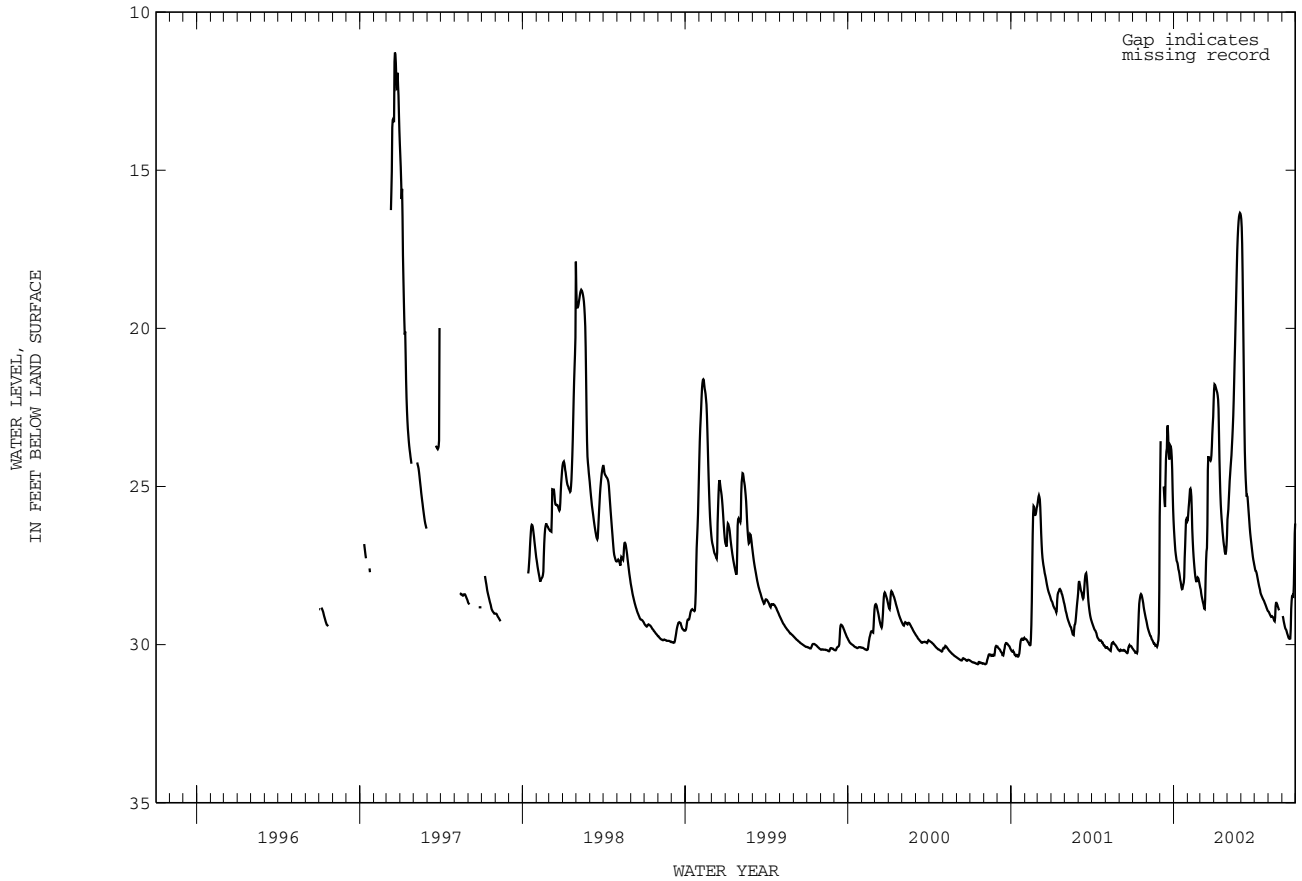
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.20 ft below land-surface datum, Mar. 19, 1997; lowest, 30.64 ft below land-surface datum, Nov. 3-4, 2000.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.24	29.58	---	27.19	25.41	28.56	21.90	25.26	19.94	27.74	29.08	29.34
10	30.30	29.75	25.41	27.58	26.09	28.87	22.33	24.13	24.63	28.12	29.12	29.56
15	28.81	29.92	23.91	27.98	27.51	27.16	25.40	22.54	25.41	28.41	29.29	29.80
20	28.44	30.04	24.04	28.29	28.04	24.10	26.51	19.62	26.38	28.58	28.75	29.77
25	28.85	30.08	23.77	27.50	27.95	24.19	27.10	16.95	27.05	28.75	28.95	28.50
EOM	29.27	26.76	26.21	26.11	28.17	22.57	26.72	16.48	27.50	28.95	---	26.23

WTR YR 2002 HIGHEST 16.35 MAY 29, 30, 2002 LOWEST 30.30 OCT 10, 11, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

351102089582701. Local number, Sh:P-152.

LOCATION.--Lat 35°11'02", long 89°58'27", Hydrologic Unit 08010210, 1,500 ft south-southeast of abutment of Wolf River bridge at Hollywood Street crossing and 250 ft east of Hollywood Street, at north Hollywood Dump site.
Owner: City of Memphis and U.S. Geological Survey.

AQUIFER.--Alluvial sand and gravel of Holocene age.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 4 in., depth 28.7 ft, cased to 23.7 ft, screened 23.7 to 28.7 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 237.73 ft above NGVD of 1929. Measuring point: Top of inside recorder shelter shelf, 1.70 ft above land-surface datum.

REMARKS.--Records good. No missing record.

PERIOD OF RECORD.--October 1996 to current year.

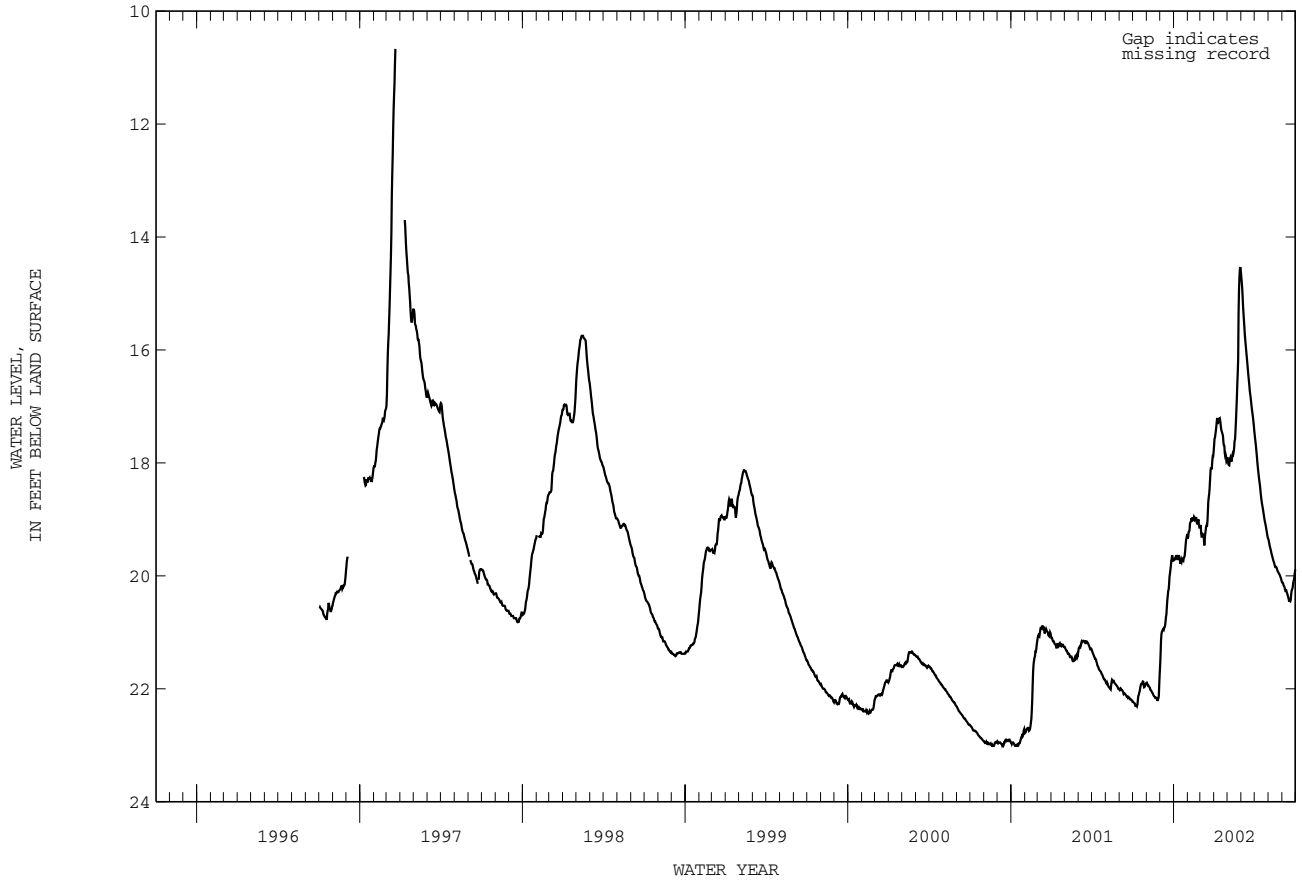
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.57 ft below land-surface datum, Mar. 21, 1997; lowest, 23.02 ft below land-surface datum, Nov. 21, 2000.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.29	21.96	21.00	19.68	19.21	19.31	17.46	18.06	15.29	17.84	19.52	20.19
10	22.32	22.04	20.93	19.68	19.07	19.48	17.30	17.99	15.87	18.25	19.68	20.27
15	22.11	22.10	20.72	19.80	18.98	19.12	17.30	17.82	16.31	18.60	19.83	20.42
20	21.91	22.17	20.27	19.76	19.02	18.63	17.50	17.36	16.75	18.86	19.89	20.47
25	21.97	22.22	19.87	19.68	19.04	18.11	17.85	16.32	17.09	19.09	19.97	20.20
EOM	21.90	21.78	19.74	19.28	19.15	17.85	17.99	14.65	17.45	19.34	20.12	19.92

WTR YR 2002 HIGHEST 14.52 MAY 30, 2002 LOWEST 22.32 OCT 7, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

350900089482300. Local number, Sh:Q-1.

LOCATION.--Lat 35°09'00", long 89°48'23", Hydrologic Unit 08010210, south of Macon Road, 0.6 mi west of Germantown Road, near Memphis.
Owner: Memphis Light, Gas and Water Division, City of Memphis.

AQUIFER.--Memphis Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 384 ft, cased to 375 ft, screened 375 to 384 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 330.40 ft above NGVD of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Records good. No missing record. Water levels affected by pumpage for municipal and industrial water supply in the Memphis area.

PERIOD OF RECORD.--October 1940 to current year.

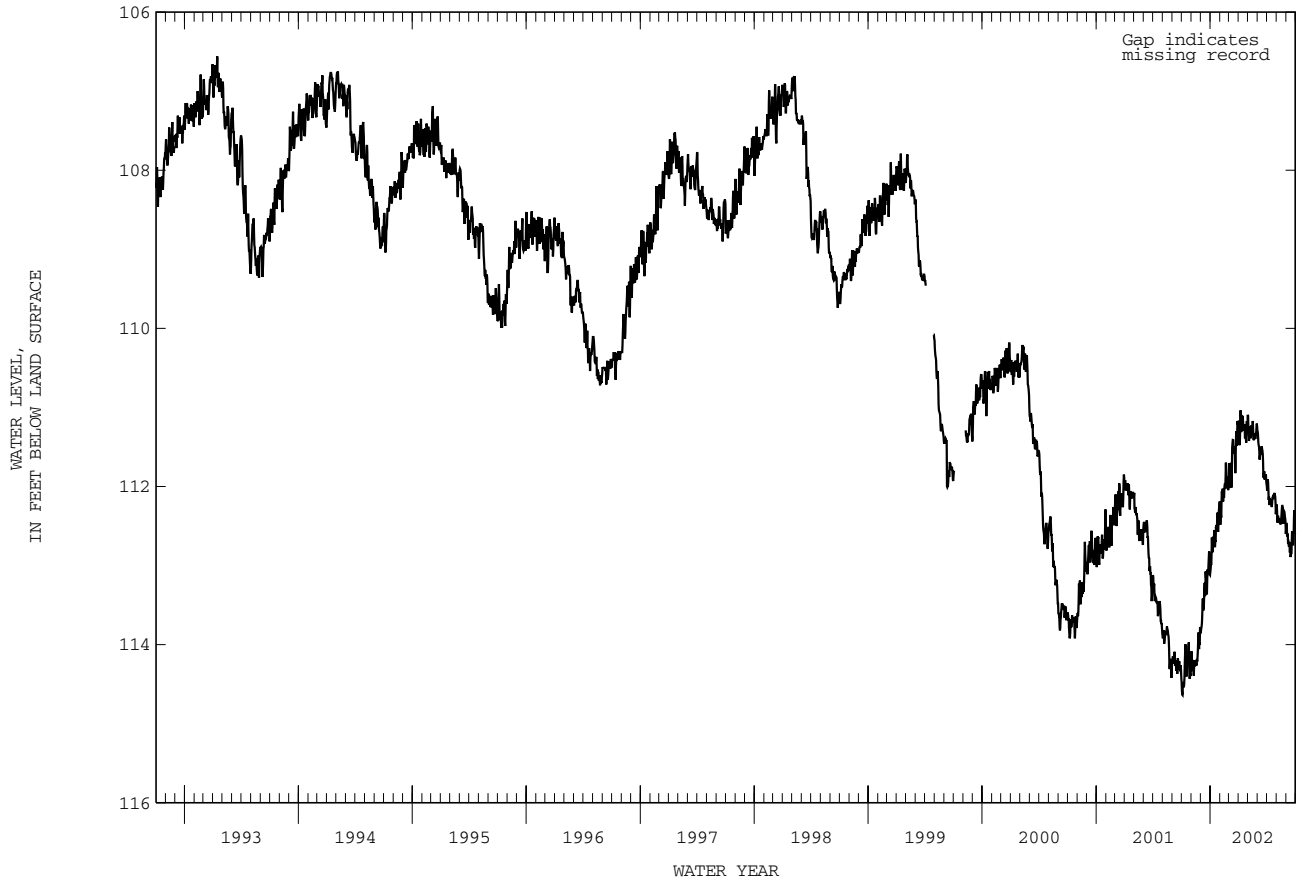
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 74.08 ft below land-surface datum, Dec. 27, 1940; lowest, 114.66 ft below land-surface datum, Oct. 3, 4, 2001.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	114.60	114.26	113.75	112.94	112.42	112.01	111.49	111.44	111.49	111.96	112.42	112.63
10	114.47	114.35	113.58	112.66	112.14	112.05	111.34	111.42	111.61	112.27	112.49	112.78
15	114.27	114.30	113.42	112.80	112.07	111.45	111.16	111.34	111.55	112.22	112.44	112.93
20	114.14	114.23	113.39	112.57	111.76	111.56	111.25	111.42	111.93	112.15	112.27	112.62
25	114.33	114.11	113.12	112.59	111.90	111.33	111.45	111.44	111.88	112.10	112.32	112.70
EOM	114.29	113.84	113.14	112.22	112.04	111.25	111.33	111.27	111.99	112.33	112.64	112.60

WTR YR 2002 HIGHEST 111.01 APR 8, 2002 LOWEST 114.66 OCT 3, 4, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

352042089523401. Local number, Sh:U-100.

LOCATION.--Lat 35°20'42", long 89°52'34", Hydrologic Unit 08010209, at Millington, 0.3 mi north of intersection of Navy Road and First Street and 300 ft west-southwest of intersection of Darkar Street and First Street, on former Naval Support Activity Mid-South Northside.
Owner: Naval Support Activity Mid-South.

AQUIFER.--Loess silt and clay of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 4 in., depth 18 ft, cased to 8 ft, screened 8 to 18 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 274.97 ft above NGVD of 1929. Measuring point: Top of inside recorder shelter shelf, 2.44 ft above land-surface datum.

REMARKS.--Records good. No missing record.

PERIOD OF RECORD.--May 1995 to current year.

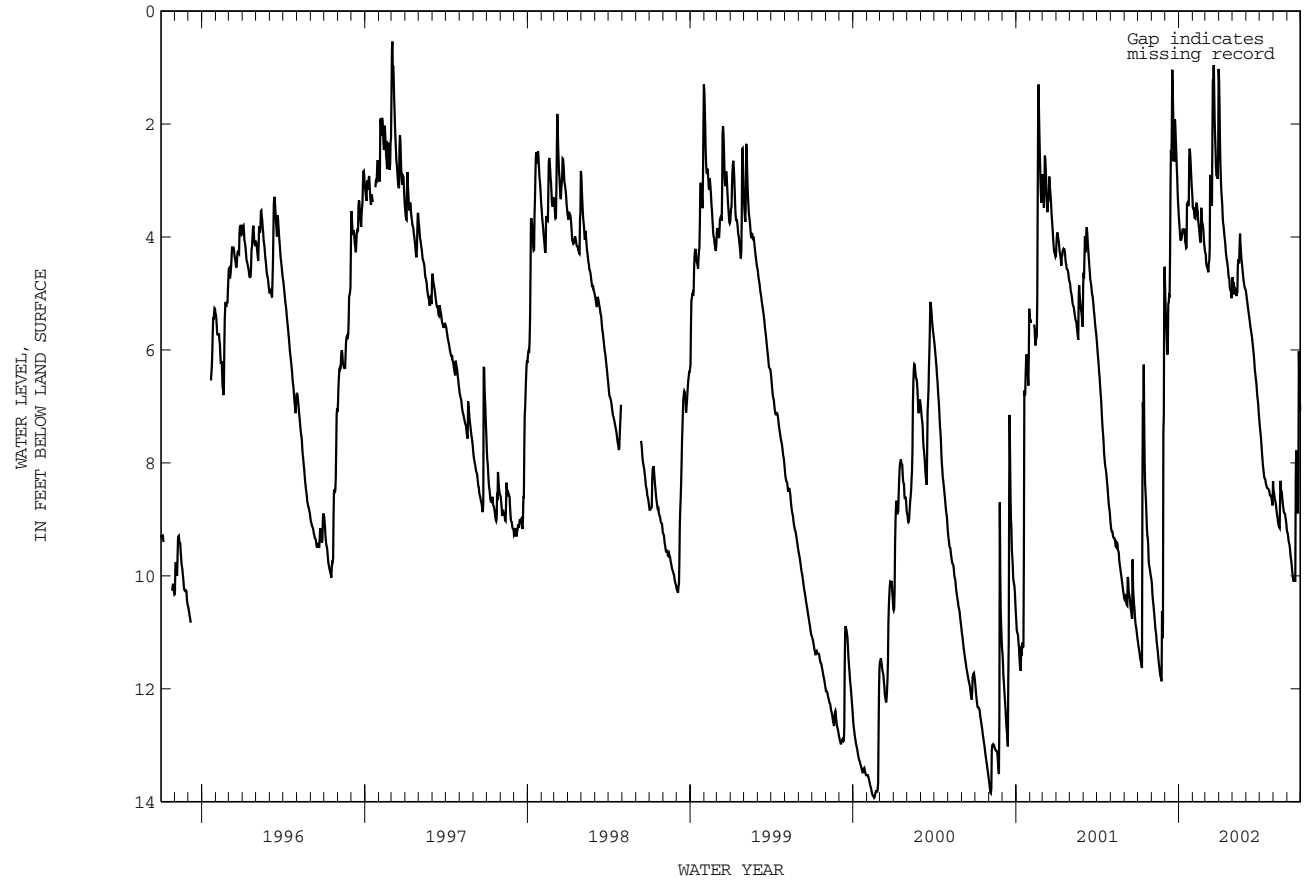
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.75 ft below land-surface datum, Mar. 20, 2002; lowest, 13.94 ft below land-surface datum, Feb. 17, 18, 2000.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.44	10.59	6.00	4.07	3.67	4.54	3.07	4.92	5.29	7.72	8.70	9.43
10	11.65	11.01	5.07	3.91	3.49	4.44	3.78	5.09	5.59	8.21	8.98	9.78
15	7.68	11.43	2.80	4.11	3.90	3.34	4.18	4.45	5.88	8.38	9.17	10.09
20	9.03	11.78	2.43	3.44	3.56	1.08	4.53	4.32	6.35	8.46	8.60	9.76
25	9.76	11.22	2.40	2.45	3.98	2.88	4.92	4.74	6.79	8.58	8.89	8.91
EOM	10.07	4.77	3.60	3.36	4.25	1.57	5.11	4.96	7.24	8.66	9.21	7.21

WTR YR 2002 HIGHEST 0.75 MAR 20, 2002 LOWEST 11.89 NOV 23, 24, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

352042089523402. Local number, Sh:U-101.

LOCATION.--Lat 35°20'42", long 89°52'34", Hydrologic Unit 08010209, at Millington, 0.3 mi north of intersection of Navy Road and First Street and 300 ft west-southwest of intersection of Dakar Street and First Street, on former Naval Support Activity Mid-South Northside.
Owner: Naval Support Activity Mid-South.

AQUIFER.--Fluvial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 4 in., depth 69 ft, cased to 59 ft, screened 59 to 69 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 275.19 ft above NGVD of 1929. Measuring point: Top of inside recorder shelter shelf, 2.62 ft above land-surface datum.

REMARKS.--Records good. No missing record.

PERIOD OF RECORD.--May 1995 to current year.

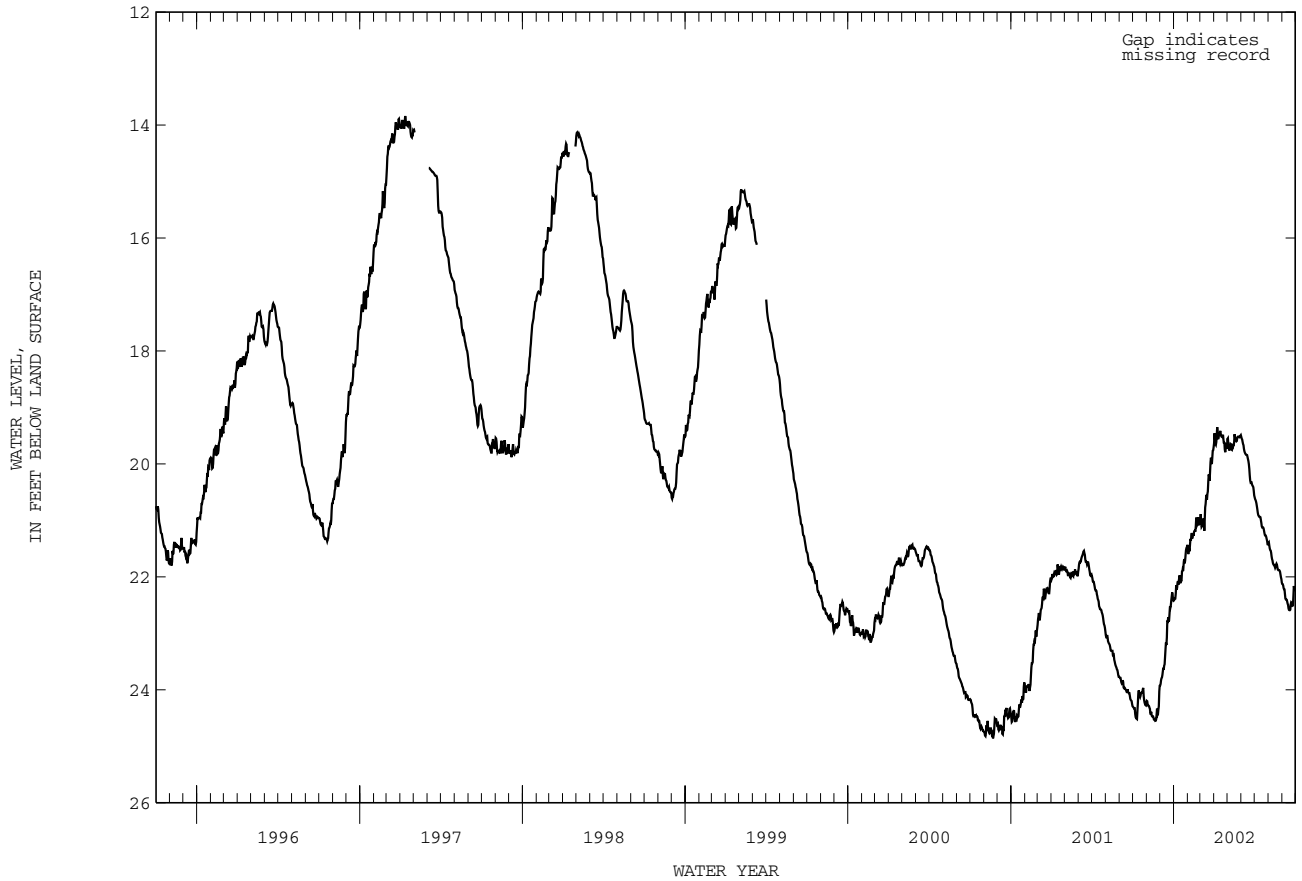
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.83 ft below land-surface datum, Mar. 28-29, 1997; lowest, 24.87 ft below land-surface datum, Nov. 21, 2000.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.34	24.28	23.79	22.36	21.55	21.11	19.67	19.78	19.66	20.72	21.54	22.22
10	24.52	24.44	23.61	22.08	21.29	21.21	19.58	19.77	19.83	20.92	21.72	22.40
15	24.07	24.47	23.23	22.14	21.22	20.58	19.43	19.68	19.91	21.01	21.84	22.58
20	24.05	24.56	22.80	21.94	20.97	20.20	19.53	19.59	20.23	21.13	21.80	22.55
25	24.14	24.50	22.52	21.78	20.96	19.92	19.79	19.52	20.38	21.27	21.89	22.52
EOM	24.27	23.93	22.43	21.45	21.07	19.77	19.75	19.49	20.59	21.43	22.12	22.23

WTR YR 2002 HIGHEST 19.33 APR 8, 2002 LOWEST 24.56 NOV 20, 21, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

352042089523403. Local number, Sh:U-102.

LOCATION.--Lat 35°20'42", long 89°52'34", Hydrologic Unit 08010209, at Millington, 0.3 mi north of intersection of Navy Road and First Street and 300 ft west-southwest of intersection of Dakar Street and First Street, on former Naval Support Activity Mid-South Northside.
Owner: Naval Support Activity Mid-South.

AQUIFER.--Cockfield Formation of Claiborne Group of Eocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 4 in., depth 115 ft, cased to 105 ft, screened 105 to 115 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 275.05 ft above NGVD of 1929. Measuring point: Top of inside recorder shelter shelf, 2.67 ft above land-surface datum.

REMARKS.--Records good. Missing records Oct. 1 to 4.

PERIOD OF RECORD.--May 1995 to current year.

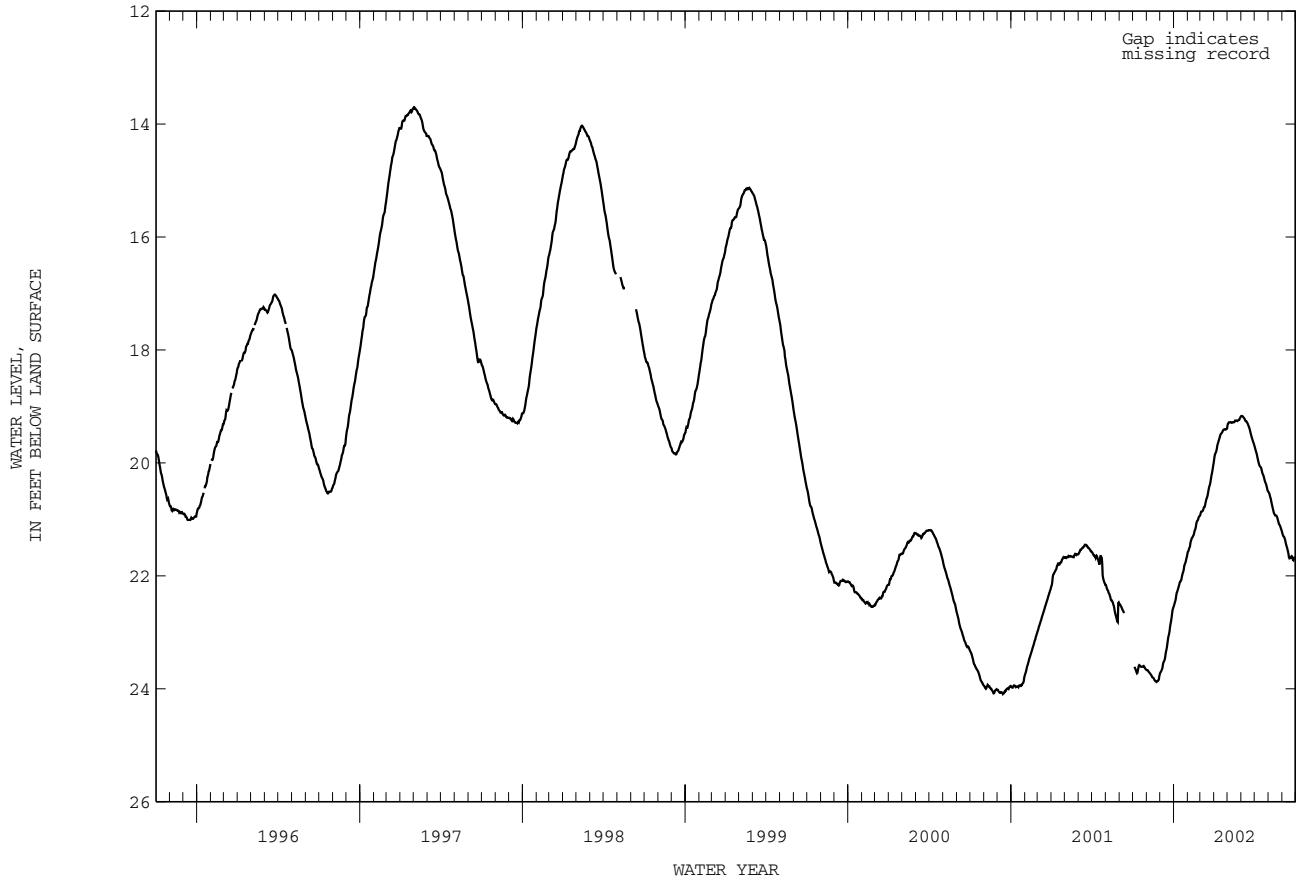
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.71 ft below land-surface datum, Apr. 30 - May 4, 1997; lowest, 24.09 ft below land-surface datum, Dec. 13, 15-16, 2000.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.63	23.70	23.67	22.42	21.50	20.86	19.82	19.28	19.19	19.83	20.62	21.32
10	23.73	23.75	23.52	22.25	21.34	20.78	19.66	19.29	19.26	20.01	20.80	21.47
15	23.58	23.81	23.33	22.11	21.27	20.65	19.52	19.28	19.31	20.09	20.93	21.65
20	23.61	23.87	23.07	21.99	21.11	20.48	19.45	19.25	19.42	20.22	20.96	21.69
25	23.60	23.86	22.85	21.81	20.99	20.31	19.41	19.25	19.57	20.35	21.09	21.73
EOM	23.67	23.76	22.56	21.63	20.94	20.02	19.40	19.18	19.70	20.50	21.22	21.68

WTR YR 2002 HIGHEST 5.31 MAY 31-JUN 4, 2002 LOWEST 23.88 NOV 22-24, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

351917089515101. Local number, Sh:V-211.

LOCATION.--Lat 35°19'17", long 89°51'51", Hydrologic Unit 08010209, at Millington, 1,200 ft east of intersection of State Route 385 and Singleton Parkway, and 50 ft south of Big Creek Drainage Canal.
Owner: Tennessee Department of Transportation and Naval Support Activity Mid-South.

AQUIFER.--Alluvial sand and gravel of Holocene age.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 50 ft, cased to 40 ft, screened 40 to 50 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 268.27 ft above NGVD of 1929. Measuring point: Top of casing, 2.58 ft above land-surface datum.

REMARKS.--Records good. No missing record. Water level affected by stage of Big Creek Drainage Canal.

PERIOD OF RECORD.--September 1999 to current year.

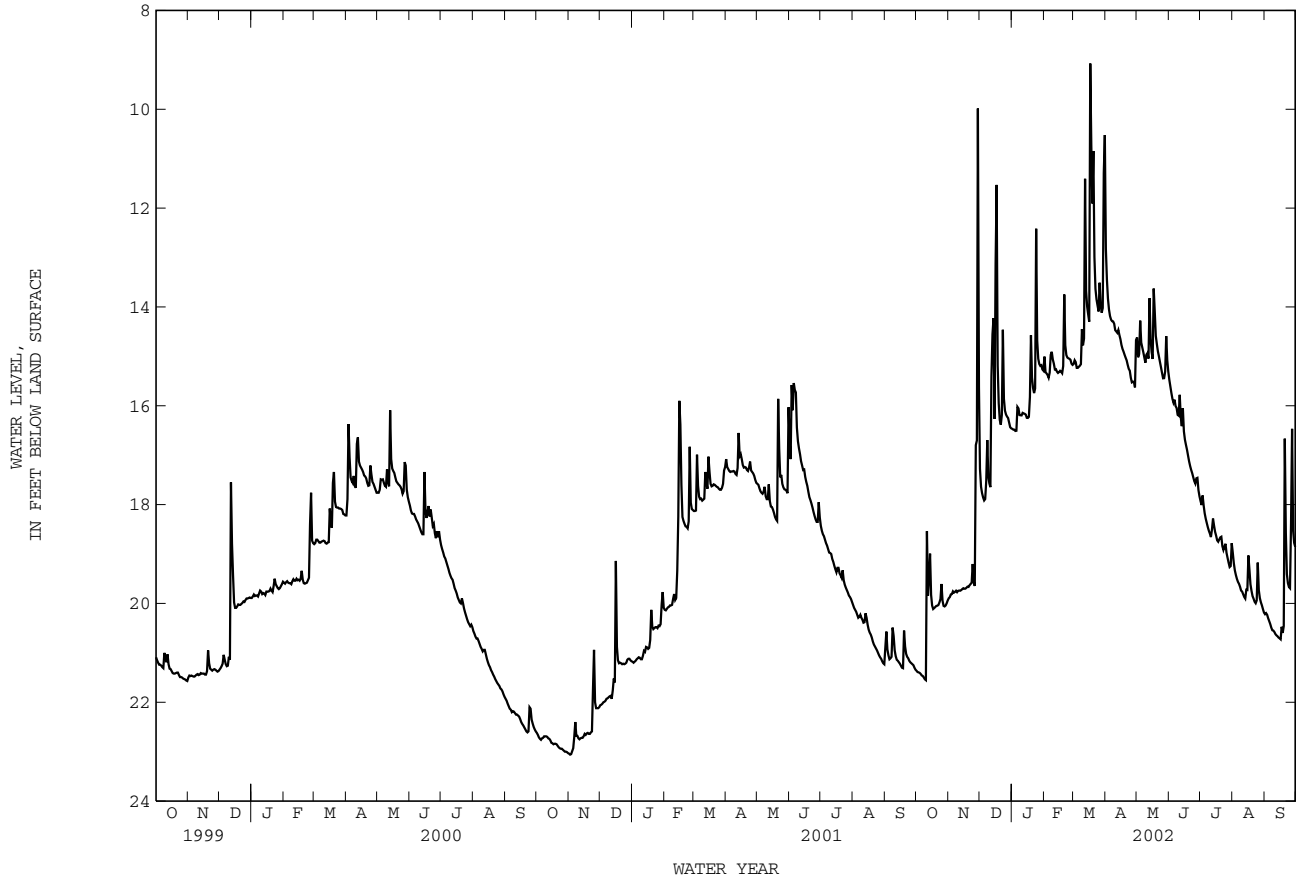
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.56 ft below land-surface datum, Mar. 17, 2002; lowest, 23.07 ft below land-surface datum, Nov. 2, 2000.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.46	19.77	17.93	16.52	15.44	15.24	14.22	14.78	15.97	18.24	19.54	20.39
10	21.56	19.76	17.62	16.21	15.23	14.87	14.49	15.17	16.31	18.64	19.80	20.61
15	19.97	19.70	16.49	16.27	15.33	14.21	14.72	14.98	16.63	18.58	19.77	20.73
20	20.07	19.68	16.35	15.55	14.57	12.37	15.06	14.83	17.17	18.71	19.89	18.75
25	19.86	19.68	16.14	14.94	15.06	14.14	15.49	15.40	17.56	18.92	19.62	19.70
EOM	19.95	16.85	16.47	15.31	15.18	12.11	15.67	15.41	17.89	18.85	20.21	18.90

WTR YR 2002 HIGHEST 6.56 MAR 17, 2002 LOWEST 21.56 OCT 10, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

351916089515101. Local number, Sh:V-212.

LOCATION.--Lat 35°19'16", long 89°51'51", Hydrologic Unit 08010209, at Millington, 1,200 ft east of intersection of State Route 385 and Singleton Parkway, and 60 ft south of Big Creek Drainage Canal.
Owner: Tennessee Department of Transportation and Naval Support Activity Mid-South.

AQUIFER.--Cockfield Formation of Claiborne Group of Eocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 2 in., depth 67 ft, cased to 57 ft, screened 57 to 67 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 268.26 ft above NGVD of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Records good. No missing record. Water level affected by stage of Big Creek Drainage Canal.

PERIOD OF RECORD.--September 1999 to current year.

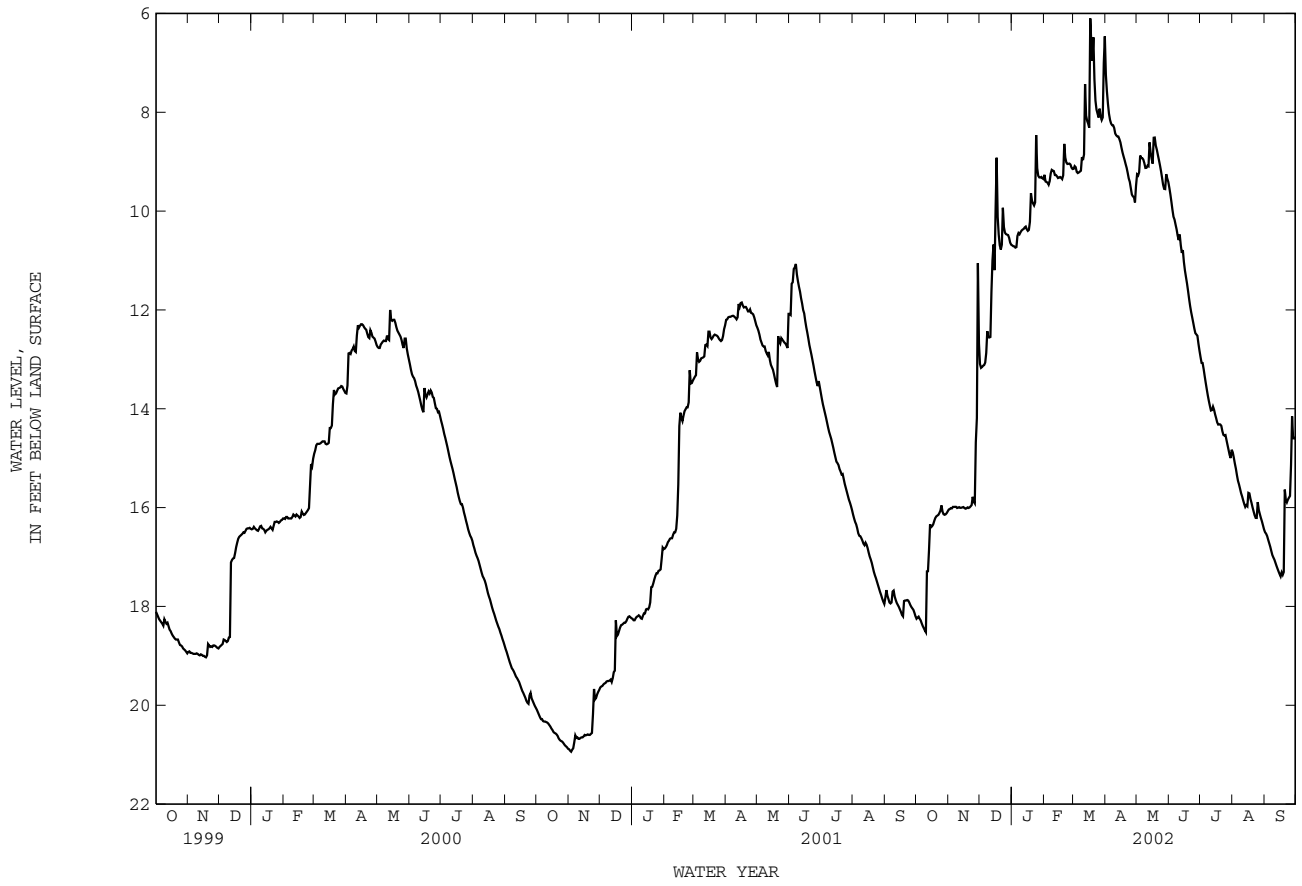
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.79 ft below land-surface datum, Mar. 17, 2002; lowest, 20.94 ft below land-surface datum, Nov. 3, 2000.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.31	15.99	13.12	10.74	9.47	9.23	8.19	8.93	10.16	13.41	15.42	16.75
10	18.53	16.01	12.57	10.41	9.24	9.00	8.46	9.19	10.65	13.99	15.81	17.08
15	16.41	15.99	11.29	10.40	9.34	8.27	8.66	8.99	11.12	14.14	16.00	17.37
20	16.19	16.01	10.75	9.82	8.84	7.01	9.09	8.81	11.85	14.35	16.04	16.62
25	16.03	15.94	10.46	9.24	9.05	8.15	9.61	9.39	12.43	14.59	16.00	15.79
EOM	16.10	12.98	10.69	9.36	9.15	6.95	9.89	9.46	12.89	14.85	16.47	14.58

WTR YR 2002 HIGHEST 8.56 MAR 31, 2002 LOWEST 22.80 OCT 1, 2001

LOWEST MONTHLY WATER LEVEL



SHELBY COUNTY--Continued

351917089515102. Local number, Sh:V-222.

LOCATION.--Lat 35°19'17", long 89°51'51", Hydrologic Unit 08010209, at Millington, 1,200 ft east of intersection of State Route 385 and Singleton Parkway, and 40 ft south of Big Creek Drainage Canal.
Owner: Tennessee Department of Transportation and Naval Support Activity Mid-South.

AQUIFER.--Alluvial sand, silt and clay of Holocene age.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 30 ft, cased to 20 ft, screened 20 to 30 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute interval.

DATUM.--Elevation of land-surface datum is 268.50 ft above NGVD of 1929. Measuring point: Top of casing, 2.25 ft above land-surface datum.

REMARKS.--Records poor. Missing records Oct. 2 to Dec. 15 and Jan. 29 to Mar. 28. Water levels affected by stage of Big Creek Drainage Canal.

PERIOD OF RECORD.--September 1999 to current year.

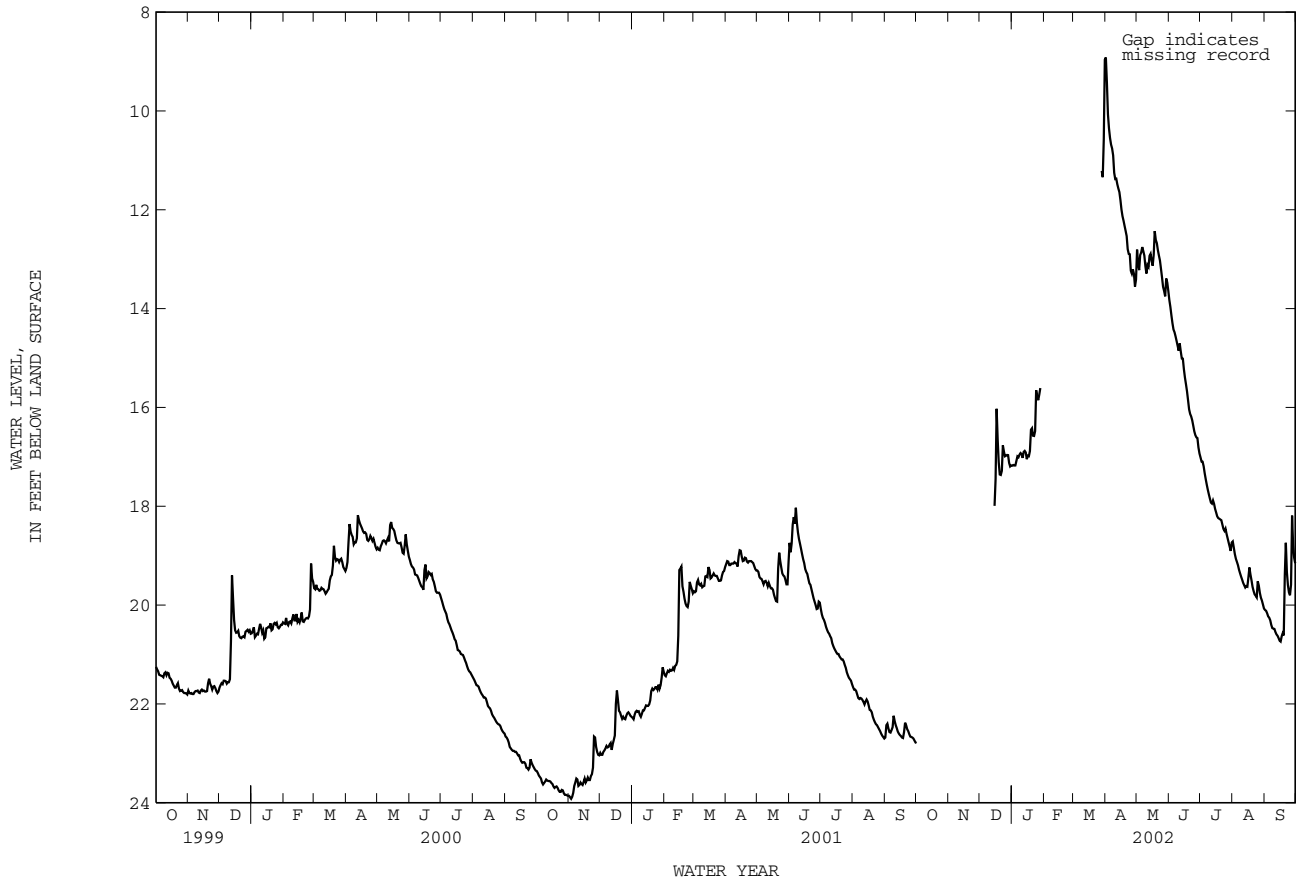
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.56 ft below land-surface datum, Mar. 31, 2002; lowest, 23.94 ft below land-surface datum, Nov. 3, 2000.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
LOWEST WATER LEVEL FOR THE DAY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	17.14	---	---	10.60	12.90	14.46	17.40	19.16	20.27
10	---	---	---	17.01	---	---	11.41	13.37	14.89	17.90	19.51	20.51
15	---	---	18.16	17.09	---	---	11.91	13.08	15.31	18.08	19.65	20.74
20	---	---	17.38	16.46	---	---	12.46	12.74	16.09	18.29	19.69	20.41
25	---	---	17.01	15.88	---	---	13.29	13.47	16.53	18.50	19.79	19.82
EOM	---	---	17.21	---	---	9.82	13.58	13.74	16.97	18.86	20.09	19.21

WTR YR 2002 HIGHEST 4.79 MAR 17, 2002 LOWEST 18.53 OCT 10, 2001

LOWEST MONTHLY WATER LEVEL



FAYETTE COUNTY

352226089330101. Local number, Fa:R-1.

LOCATION.--Lat 35°22'26", long 89°33'01", Hydrologic Unit 08010209, 80 ft south of State Highway 59, 1.2 mi southeast of U.S. Highway 70, near Braden. Owner: Tennessee Division of Geology and U.S. Geological Survey.

AQUIFER.--Fort Pillow Sand of Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 to 4 in., depth 1,0225 ft, cased to 1,008 ft, screened 1,008 to 1,025 ft.

INSTRUMENTATION.--Periodic measurements by USGS personnel.

DATUM.--Elevation of land-surface is 317.50 ft above NGVD of 1929. Measuring point: Top of casing 3.70 ft above land-surface datum.

PERIOD OF RECORD.--August 1949 to current year. Analog record August 1949 to December 1970, periodic tape measurements or monthly maximum-minimum recorder thereafter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 64.89 ft below land-surface datum, Aug. 31, 1949; lowest recorded, 76.26 ft below land-surface datum, Dec. 5, 1970; highest water level measured, 73.61 ft below land-surface datum, Apr. 28, 1976; lowest measured, 97.52 ft below land-surface datum, Aug. 1, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	95.74	JAN 03	94.14	MAR 29	92.30	JUN 27	91.33	AUG 30	91.82		
31	95.54	30	93.45	APR 29	92.07	JUL 30	91.43	SEP 30	91.69		
DEC 04	94.80	FEB 27	93.0	MAY 29	91.48	AUG 14	91.61				

WATER YEAR 2002 HIGHEST 91.33 JUN 27, 2002 LOWEST 95.74 OCT 01, 2001

352226089330102. Local number, Fa:R-2.

LOCATION.--Lat 35°22'26", long 89°33'01", Hydrologic Unit 08010209, 80 ft south of State Highway 59, 1.1 mi southeast of U.S. Highway 70, near Braden. Owner: Tennessee Division of Geology and U.S. Geological Survey.

AQUIFER.--Memphis Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 to 4 in., depth 365 ft, cased to 345 ft, screened 345 to 365 ft.

INSTRUMENTATION.--Periodic measurements by USGS personnel.

DATUM.--Elevation of land-surface is 317.20 ft above NGVD of 1929. Measuring point: Top of casing 4.20 ft above land-surface datum.

PERIOD OF RECORD.--October 1949 to current year. Analog record October 1949 to December 1970, periodic tape measurements or monthly maximum-minimum recorder thereafter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 37.25 ft below land-surface datum, Mar. 10, 1952; lowest recorded, 42.12 ft below land-surface datum, Nov. 30, 1967; highest water level measured, 39.00 ft below land-surface datum, Mar. 3, 1998; lowest measured, 42.57 ft below land-surface datum, Oct. 1, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	42.57	JAN 03	42.00	MAR 29	41.20	JUN 27	41.36	AUG 30	41.88		
31	42.50	30	40.77	APR 29	41.31	JUL 30	41.72	SEP 30	41.85		
DEC 04	42.50	FEB 27	39.9	MAY 29	41.16	AUG 14	41.77				

WATER YEAR 2002 HIGHEST 39.9 FEB 27, 2002 LOWEST 42.57 OCT 01, 2001

SHELBY COUNTY

350514089553700. Local number, Sh:K-75.

LOCATION.--Lat 35°05'14", long 89°55'37", Hydrologic Unit 08010211, at Willowview Avenue and Getwell ROad, at Memphis. Owner: Memphis Light, Gas and Water Division, City of Memphis.

AQUIFER.--Fluvial sand and gravel of Pleistocene age and possibly sand of Eocene age.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 6 in., depth 91 ft cased to 81 ft, screened 81 to 91 ft.

INSTRUMENTATION.--Periodic measurements by USGS personnel.

DATUM.--Elevation of land-surface is 260 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing 1.20 ft above land-surface datum.

REMARKS.--Water level affected by pumpage for Memphis municipal water supply.

PERIOD OF RECORD.--August 1948 to September 1994, water-level recorder, periodic tape measurements thereafter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 21.28 ft below land-surface datum, Apr. 2, 1950; lowest recorded, 52.03 ft below land-surface datum, Jan. 13, 1988; highest water level measured, 45.73 ft below land-surface datum, July 6, 1998; lowest measured, 50.91 ft below land-surface datum, Jan. 4, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	50.83	DEC 03	50.85	JAN 31	50.80	APR 01	50.56	MAY 30	50.25	AUG 01	49.90
31	50.86	JAN 04	50.91	MAR 01	50.69	29	50.52	JUN 27	50.07	30	49.92

WATER YEAR 2002 HIGHEST 49.90 AUG 01, 2002 LOWEST 50.91 JAN 04, 2002

3501435090005200. Local number, Sh:O-1.

LOCATION.--Lat 35°14'35", long 90°00'52", Hydrologic Unit 08010209, west side of O.K. Robertson Road, 0.4 mi north of U.S. Highway at Memphis. Owner: Memphis Light, Gas and Water Division, City of Memphis.

AQUIFER.--Memphis Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 434 ft, cased to 424 ft, screened 424 to 434 ft.

INSTRUMENTATION.--Periodic measurements by USGS personnel.

DATUM.--Elevation of land-surface is 228.70 ft above NGVD of 1929. Measuring point: Top of casing, 4.30 ft above land-surface datum.

REMARKS.--Water level affected by pumpage for municipal and industrial water supply in the Memphis area.

PERIOD OF RECORD.--September 1940 to current year. Analog record September 1940 to January 1992, periodic tape measurements thereafter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.65 ft below land-surface datum, Sept. 3, 1940; lowest recorded, 68.82 ft below land-surface datum, Aug. 24, 1988; highest water level measured, 50.16 ft below land-surface datum, Mar. 29, 1994; lowest measured, 65.75 ft below land-surface datum, Sept. 7, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	61.70	DEC 04	58.93	JAN 29	56.65	MAR 27	54.74	MAY 29	50.46	AUG 05	58.34
NOV 01	60.77	JAN 04	57.50	FEB 28	56.57	MAY 01	52.85	JUL 01	55.61	SEP 04	58.87

WATER YEAR 2002 HIGHEST 50.46 MAY 29, 2002 LOWEST 61.70 OCT 02, 2001

SHELBY COUNTY--Continued

350735089593300. Local number, Sh:P-76.

LOCATION.--Lat 35°07'35", long 89°59'33", Hydrologic Unit 08010210, at Central Avenue and Tanglewood Street, at Memphis. Owner: Memphis Light, Gas and Water Division, City of Memphis.

AQUIFER.--Memphis Sand of Claiborne Group of middle Eocene age.

INSTRUMENTATION.--Periodic measurements by USGS personnel.

DATUM.--Elevation of land-surface is 286.70 ft above NGVD of 1929. Measuring point: Top of casing 1.30 ft above land-surface datum.

REMARKS.--Water level affected by pumpage for municipal and industrial water supply in the Memphis area.

PERIOD OF RECORD.--October 1928 to current year. Analog record October 1928 to September 1997, periodic tape measurements thereafter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 58.65 ft below land-surface datum, Apr. 3, 1933; lowest, 147.31 ft below land-surface datum, June 30, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	121.11	DEC 07	119.45	JAN 31	118.71	MAR 29	114.59	MAY 30	115.52	AUG 01	122.40
31	120.70	JAN 04	118.16	FEB 28	118.27	MAY 01	118.75	JUN 28	121.70	SEP 04	122.05

WATER YEAR 2002 HIGHEST 114.59 MAR 29, 2002 LOWEST 122.40 AUG 01, 2002

352112089571200. Local number, Sh:U-1.

LOCATION.--Lat 35°21'12", long 89°57'12", Hydrologic Unit 08010209, 3 mi west of Millington at Shelby Road and Shake Rag Road, Sloanville, Owner: Mrs. T. S. Welch

AQUIFER.--Fort Pillow Sand of Wilcox Group of early Eocene age

WELL CHARACTERISTICS.--Drilled artesian unused well, diameter 24 to 16 in., depth 1,558 ft, cased to 1,497 ft, screened 1,497 to 1,558 ft.

INSTRUMENTATION.--Periodic measurements by USGS personnel.

DATUM.--Elevation of land-surface datum is 264.20 ft above NGVD of 1929. Measuring point: Top of casing 0.60 ft above land-surface datum.

REMARKS.--Water level affected by pumpage for municipal and industrial water supply at Millington and Memphis.

PERIOD OF RECORD.--August 1946 to current year. Analog record March 1948 to January 1971, periodic tape measurements or monthly maximum-minimum recorder thereafter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 35.5 ft below land-surface datum, Apr. 11, 1948; lowest recorded, 60.42 ft below land-surface datum, Dec. 20, 1970; highest water level measured, 33.20 ft, Apr. 21, 1947; lowest measured, 90.00 ft below land-surface datum, Aug. 29, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	89.99	DEC 04	87.12	FEB 28	84.98	MAY 29	81.70	SEP 04	85.70		
12	89.45	JAN 04	85.81	MAR 27	83.80	JUL 01	83.93				
NOV 01	88.62	29	85.11	MAY 01	82.93	AUG 05	85.08				

WATER YEAR 2002 HIGHEST 81.70 MAY 29, 2002 LOWEST 89.99 OCT 02, 2001

SHELBY COUNTY--Continued

352112089571300. Local number, Sh:U-2.

LOCATION.--Lat 35°21'12", long 89°57'13", Hydrologic Unit 08010209, 3 mi west of Millington at Shelby Road and Shake Rag Road, Sloanville. Owner: Mrs. F. E Byrd

AQUIFER.--Memphis Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 to 12 in., depth 440 ft, cased to 360 ft, screened 360 to 440 ft.

INSTRUMENTATION.--Periodic measurements by USGS personnel.

DATUM.--Elevation of land-surface datum is 268.70 ft above NGVD of 1929. Measuring point: Top of casing 1.60 ft above land-surface datum.

REMARKS.--Water level affected by pumpage for municipal and industrial water supply at Millington and Memphis.

PERIOD OF RECORD.--June 1953 to current year. Analog record June 1953 to December 1970, periodic tape measurements or monthly maximum-minimum recorder thereafter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 39.59 ft below land-surface datum, June 29, 1953; lowest, 64.88 ft below land-surface datum, Sept. 7, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	63.78	DEC 04	62.92	JAN 29	61.58	MAR 27	60.15	MAY 29	57.44	AUG 05	60.87
NOV 01	63.50	JAN 04	61.93	FEB 28	61.02	MAY 01	59.29	JUL 01	59.50	SEP 04	61.35

WATER YEAR 2002 HIGHEST 57.44 MAY 29, 2002 LOWEST 63.78 OCT 02, 2001

CRITTENDED COUNTY, AR

350344090130000. Local number, Ar:H-2.

LOCATION.--Lat 35°03'44", long 90°13'00", Hydrologic Unit 08020203, 0.7 mi east of Millers. Owner: Memphis Light, Gas, and Water Division, City of Memphis, and U.S. Geological Survey.

AQUIFER.--Memphis Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 502 ft, cased to 482 ft, screened 482 to 502 ft.

INSTRUMENTATION.--Periodic measurements by USGS personnel.

DATUM.--Elevation of land-surface datum is 211 ft above NGVD of 1929, from topographic map. Measuring point: Inside top of shelter base plate, 3.30 ft above land-surface datum.

REMARKS.--Well affected by pumpage in the Memphis, Tennessee area. Records good.

PERIOD OF RECORD.--May 1983 to current year. Analog record from May 1983 to October 1995, periodic measurements thereafter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.28 ft below land-surface datum, May 30, 31, 1983; lowest, 33.39 ft below land-surface datum, Oct. 31, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	33.06	DEC 07	29.56	JAN 30	27.62	MAR 28	25.53	MAY 30	21.78	JUL 31	28.20
NOV 01	31.80	JAN 04	29.90	FEB 28	28.67	APR 30	25.09	JUN 28	25.69	SEP 03	29.86

WATER YEAR 2002 HIGHEST 21.78 MAY 30, 2002 LOWEST 33.06 OCT 03, 2001

WATER-QUALITY DATA, LOWER TENNESSEE RIVER BASIN NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

The following wells located in the Lower Tennessee River basin were sampled as part of the U.S. Geological Survey's National Water Quality Assessment Program to characterize water quality of major aquifers and to assess the occurence and distribution of nutrients, pesticides, and volatile organic compounds in ground water.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

CROCKETT COUNT

Local identifier	Station number	Date	Time	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TURBIDITY (NTU) (00076)
CK:J- 4	CITY OF FRIENDSHI 355437089144301	06-11-02	1030	389.00	330.00	114	6.0	17.0	763	.30

Local identifier	Date	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVFLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
CK:J- 4 CITY OF F	06-11-02	.1	0	43	--	9.51	4.69	5.93	22	.4	1.46

Local identifier	Date	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	BROMIDE DISSOLVED (MG/L AS BR) (71870)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
CK:J- 4 CITY OF F	06-11-02	62	51	2.4	2.13	.1	.10	14.1	78	72	.11

Local identifier	Date	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
CK:J- 4 CITY OF F	06-11-02	<.008	<.05	E.03	<.10	<.02	<1	<.05	.3	162	E.03

Local identifier	Date	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
CK:J- 4 CITY OF F	06-11-02	7	E.02	<.8	1.83	2.3	636	15.4	2.1	185	<.2

Local identifier	Date	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	RADON 222 TOTAL (PCI/L)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L)	BROMODICHLOROMETHANE TOTAL (UG/L)	CARBON TETRACHLORIDE TOTAL (UG/L)
CK:J- 4 CITY OF F	06-11-02	2.43	<.3	<1	115	1.9	24	80	17	<.05	<.06

Local identifier	Date	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLOROETHANE TOTAL (UG/L) (34311)	ETHYLBENZENE TOTAL (UG/L) (34371)	METHYLBROMIDE TOTAL (UG/L) (34413)
CK:J- 4 CITY OF F	06-11-02	<.1	<.06	<.2	.13	<.05	<.04	<.03	<.1	<.03	<.3

WATER-QUALITY DATA, LOWER TENNESSEE RIVER BASIN NATIONAL WATER-QUALITY ASSESSMENT PROGRAM--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

CROCKETT COUNTY--Continued

Local identifier	Date	METHYL-CHLORIDE TOTAL (UG/L) (34418)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DICHLORO-WATER UNFLTRD REC (UG/L) (34536)
CK:J- 4	CITY OF F 06-11-02	<.2	<.2	.17	<.09	<.04	<.04	<.03	<.06	<.09	<.03

Local identifier	Date	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DICHLOROETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L) (34699)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L) (34704)	VINYL CHLORIDE TOTAL (UG/L) (39175)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
CK:J- 4	CITY OF F 06-11-02	<.03	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

Local identifier	Date	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DISSOLVED (UG/L) (34253)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)
CK:J- 4	CITY OF F 06-11-02	<.004	<.006	<.007	<.005	<.002	<.005	<.018	<.006	<.005	<.005

Local identifier	Date	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	P,P' DDE DISSOLV (UG/L) (34653)	PARATHION, DISSOLVED (UG/L) (39542)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROMETON, WATER, DISS, REC (UG/L) (04037)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)
CK:J- 4	CITY OF F 06-11-02	<.003	<.004	<.027	<.006	<.013	<.003	<.010	<.010	<.01	<.005

Local identifier	Date	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
CK:J- 4	CITY OF F 06-11-02	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035

Local identifier	Date	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
CK:J- 4	CITY OF F 06-11-02	<.050	<.006	<.002	<.007	<.004	<.022	<.006	<.011	<.004	<.011

Local identifier	Date	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
CK:J- 4	CITY OF F 06-11-02	<.02	<.02	<.034	<.02	<.002	<.009	<.005

WATER-QUALITY DATA, LOWER TENNESSEE RIVER BASIN NATIONAL WATER-QUALITY ASSESSMENT PROGRAM--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

OBION COUNTY

Local identifier	Station number	Date	Time	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TURBIDITY (NTU) (00076)
UNION CITY, TN	362552089032001	06-10-02	1600	352.	886.	103	5.8	18.5	764	.09

Local identifier	Date	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
UNION CITY, TN	06-10-02	.1	0	37	--	8.90	3.49	6.16	26	.4	.93

Local identifier	Date	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	BROMIDE DISSOLVED (MG/L AS BR) (71870)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
UNION CITY, TN	06-10-02	60	49	1.8	1.85	E.1	E.02	9.40	71	63	.10

Local identifier	Date	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
UNION CITY, TN	06-10-02	<.008	<.05	<.04	<.10	<.02	<1	<.05	<.2	42	<.06

Local identifier	Date	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
UNION CITY, TN	06-10-02	E6	<.04	<.8	.10	<.2	419	<.08	.6	8.4	<.2

Local identifier	Date	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	BROMODICHLOROMETHANE TOTAL (UG/L) (32101)	CARBON TETRACHLORIDE TOTAL (UG/L) (32102)
UNION CITY, TN	06-10-02	.70	<.3	<1	59.5	2.4	6	80	19	<.05	<.06

Local identifier	Date	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLOROETHANE TOTAL (UG/L) (34311)	ETHYLBENZENE TOTAL (UG/L) (34371)	METHYLBROMIDE TOTAL (UG/L) (34413)
UNION CITY, TN	06-10-02	<.1	<.06	<.2	<.02	<.05	<.04	<.03	<.1	<.03	<.3

Local identifier	Date	METHYLCHLORIDE TOTAL (UG/L) (34418)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DICHLORO-WATER UNFLTRD REC (UG/L) (34536)
UNION CITY, TN	06-10-02	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03

WATER-QUALITY DATA, LOWER TENNESSEE RIVER BASIN NATIONAL WATER-QUALITY ASSESSMENT PROGRAM--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

OBION COUNTY--Continued

Local identifier	Date	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DICHLOROETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L) (34699)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L) (34704)	VINYL CHLORIDE TOTAL (UG/L) (39175)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
UNION CITY, TN	06-10-02	<.03	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

Local identifier	Date	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DISSOLVED (UG/L) (34253)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)
UNION CITY, TN	06-10-02	<.004	<.006	<.007	<.005	<.002	<.005	<.018	<.006	<.005	<.005

Local identifier	Date	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	P,P' DDE DISSOLV (UG/L) (34653)	PARATHION, DISSOLVED (UG/L) (39542)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROMETON, WATER, DISS, REC (UG/L) (04037)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)
UNION CITY, TN	06-10-02	<.003	<.004	<.027	<.006	<.013	<.003	<.010	<.010	<.01	<.005

Local identifier	Date	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
UNION CITY, TN	06-10-02	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035

Local identifier	Date	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
UNION CITY, TN	06-10-02	<.050	<.006	<.002	<.007	<.004	<.022	<.006	<.011	<.004	<.011

Local identifier	Date	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
UNION CITY, TN	06-10-02	<.02	<.02	<.034	<.02	<.002	<.009	<.005

WATER-QUALITY DATA, LOWER TENNESSEE RIVER BASIN NATIONAL WATER-QUALITY ASSESSMENT PROGRAM--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

SHELBY COUNTY

Local identifier	Station number	Date	Time	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TURBIDITY (NTU) (00076)
SH:UR-11	350229089525601	04-15-02	1800	291	52.75	904	6.0	19.0	763	1.0
SH:UR-31	350424089593901	04-16-02	0900	235	42.7	313	6.3	22.0	767	1.0
Sh:P- 99	350857089591401	04-18-02	1200	271.06	59.0	770	6.6	17.0	770	1.0
SH:UR-29	351147089482701	04-17-02	1530	290	87	172	6.0	21.0	764	.0
SH:UR-8	351201089525501	04-17-02	1106	278	44	144	5.8	19.5	764	1.0
SH:UR-6	351403089552601	04-16-02	1600	310	40	405	6.0	23.0	766	28

Local identifier	Date	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
SH:UR-11	04-15-02	.2	2	160	80	35.0	17.1	117	61	4	2.29
SH:UR-31	04-16-02	.2	2	140	15	39.4	9.66	7.53	10	.3	1.92
Sh:P- 99	04-18-02	.1	1	370	9	74.7	44.1	34.2	17	.8	.79
SH:UR-29	04-17-02	4.8	54	38	--	8.24	4.24	22.2	55	2	.83
SH:UR-8	04-17-02	.9	10	34	--	7.67	3.59	19.9	56	1	.34
SH:UR-6	04-16-02	2.9	34	100	--	21.2	12.4	43.1	47	2	.18

Local identifier	Date	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	BROMIDE DISSOLVED (MG/L AS BR) (71870)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
SH:UR-11	04-15-02	96	78	21.2	211	.1	2.14	34.7	532	490	.72
SH:UR-31	04-16-02	150	123	8.9	7.13	.2	.09	29.9	190	184	.26
Sh:P- 99	04-18-02	438	359	54.9	8.63	.2	.38	27.8	485	464	.66
SH:UR-29	04-17-02	56	46	3.2	9.35	E.1	.06	14.5	112	116	.15
SH:UR-8	04-17-02	72	59	2.4	6.68	.1	.09	41.5	116	124	.16
SH:UR-6	04-16-02	133	109	21.4	36.8	.2	.30	59.5	267	274	.36

Local identifier	Date	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
SH:UR-11	04-15-02	<.008	.08	<.04	<.10	.03	<1	.07	.7	410	<.06
SH:UR-31	04-16-02	<.008	<.05	.52	.60	E.01	<1	.05	E.1	131	<.06
Sh:P- 99	04-18-02	<.008	.66	<.04	<.10	.03	<1	.52	1.1	89	<.06
SH:UR-29	04-17-02	<.008	5.87	<.04	<.10	<.02	<1	<.05	<.2	21	<.06
SH:UR-8	04-17-02	<.008	1.44	<.04	<.10	<.02	<1	<.05	<.2	24	<.06
SH:UR-6	04-16-02	<.008	3.03	<.04	E.08	<.02	<1	.07	.2	41	<.06

Local identifier	Date	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
SH:UR-11	04-15-02	E4	.05	<.8	1.23	.5	24	<.08	2.8	167	E.1
SH:UR-31	04-16-02	32	.04	<.8	4.66	.4	136	<.08	.5	4680	E.1
Sh:P- 99	04-18-02	E6	.14	<.8	.96	8.3	98	1.42	.7	110	.2
SH:UR-29	04-17-02	<7	<.04	<.8	.03	E.1	<10	<.08	.5	E.1	<.2
SH:UR-8	04-17-02	<7	<.04	<.8	.14	<.2	<10	<.08	.9	.3	<.2
SH:UR-6	04-16-02	E7	<.04	E.6	.11	.5	27	<.08	.6	4.4	.2

WATER-QUALITY DATA, LOWER TENNESSEE RIVER BASIN NATIONAL WATER-QUALITY ASSESSMENT PROGRAM--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

SHELBY COUNTY--Continued

Local identifier	Date	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	RADON 222 TOTAL (PCI/L)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L)	BROMODICHLOROMETHANE TOTAL (UG/L)	CARBON TETRACHLORIDE TOTAL (UG/L)
SH:UR-11	04-15-02	1.65	2.4	<1	481	2.6	3	--	--	<.05	<.06
SH:UR-31	04-16-02	.80	<.3	<1	179	1.6	1	--	--	<.05	<.06
Sh:P- 99	04-18-02	1.11	1.2	<1	108	2.2	6	--	--	<.05	<.06
SH:UR-29	04-17-02	.47	.7	<1	34.6	.6	<1	--	--	<.05	<.06
SH:UR-8	04-17-02	.36	E.3	<1	29.8	1.0	<1	--	--	<.05	<.06
SH:UR-6	04-16-02	1.28	.8	<1	34.4	2.2	<1	--	--	<.05	<.06

Local identifier	Date	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLOROETHANE TOTAL (UG/L) (34311)	ETHYLBENZENE TOTAL (UG/L) (34371)	METHYLBROMIDE TOTAL (UG/L) (34413)
SH:UR-11	04-15-02	<.1	<.06	<.2	<.02	<.05	<.04	<.03	<.1	<.03	<.3
SH:UR-31	04-16-02	<.1	<.06	<.2	<.02	<.05	<.04	<.03	<.1	<.03	<.3
Sh:P- 99	04-18-02	<.1	<.06	<.2	<.02	<.05	<.04	<.03	<.1	<.03	<.3
SH:UR-29	04-17-02	<.1	<.06	<.2	<.02	<.05	<.04	<.03	<.1	<.03	<.3
SH:UR-8	04-17-02	<.1	<.06	<.2	E.03	<.05	<.04	<.03	<.1	<.03	<.3
SH:UR-6	04-16-02	<.1	<.06	<.2	E.09	E.01	<.04	<.03	<.1	<.03	<.3

Local identifier	Date	METHYLCHLORIDE TOTAL (UG/L) (34418)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DICHLOROWATER UNFLTRD REC (UG/L) (34536)
SH:UR-11	04-15-02	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03
SH:UR-31	04-16-02	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03
Sh:P- 99	04-18-02	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03
SH:UR-29	04-17-02	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03
SH:UR-8	04-17-02	<.2	<.2	E.01	<.09	<.04	<.04	<.03	<.06	<.09	<.03
SH:UR-6	04-16-02	<.2	<.2	E.02	<.09	<.04	<.04	<.03	<.06	<.09	<.03

Local identifier	Date	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DICHLOROETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DICHLOROWATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLOROWATER UNFLTRD REC (UG/L) (34571)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L) (34699)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L) (34704)	VINYL CHLORIDE TOTAL (UG/L) (39175)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
SH:UR-11	04-15-02	<.03	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04
SH:UR-31	04-16-02	<.03	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04
Sh:P- 99	04-18-02	<.03	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04
SH:UR-29	04-17-02	<.03	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04
SH:UR-8	04-17-02	<.03	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04
SH:UR-6	04-16-02	<.03	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

Local identifier	Date	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DISSOLVED (UG/L) (34253)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)
SH:UR-11	04-15-02	<.004	<.006	<.007	<.005	<.002	<.005	<.018	<.006	<.005	<.005
SH:UR-31	04-16-02	<.004	<.006	.153	<.005	<.002	<.005	<.018	<.006	<.005	<.005
Sh:P- 99	04-18-02	<.004	<.006	<.007	<.005	<.002	<.005	<.018	<.006	<.005	<.005
SH:UR-29	04-17-02	<.004	<.006	.008	<.005	<.002	<.005	<.018	<.006	<.005	<.005
SH:UR-8	04-17-02	<.004	<.006	.008	<.005	<.002	<.005	<.018	E.005	<.005	<.005
SH:UR-6	04-16-02	<.004	<.006	.042	<.005	<.002	<.005	<.018	E.025	<.005	<.005

WATER-QUALITY DATA, LOWER TENNESSEE RIVER BASIN NATIONAL WATER-QUALITY ASSESSMENT PROGRAM--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

SHELBY COUNTY--Continued

Local identifier	Date	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	P,P' DDE DISSOLV (UG/L) (34653)	PARATHION, DISSOLVED (UG/L) (39542)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROMETON, WATER, DISS, REC (UG/L) (04037)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)
SH:UR-11	04-15-02	<.003	<.004	<.027	<.006	<.013	<.003	<.010	<.010	<.01	<.005
SH:UR-31	04-16-02	<.003	<.004	<.027	<.006	.023	<.003	<.010	<.010	.06	.333
Sh:P- 99	04-18-02	<.003	<.004	<.027	<.006	<.013	<.003	<.010	<.010	<.01	<.005
SH:UR-29	04-17-02	<.003	<.004	<.027	<.006	<.013	<.003	<.010	<.010	<.01	.008
SH:UR-8	04-17-02	<.003	<.004	<.027	<.006	<.013	<.003	<.010	<.010	<.01	<.005
SH:UR-6	04-16-02	<.003	<.004	<.027	<.006	<.013	<.003	<.010	<.010	<.01	<.005

Local identifier	Date	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
SH:UR-11	04-15-02	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035
SH:UR-31	04-16-02	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035
Sh:P- 99	04-18-02	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035
SH:UR-29	04-17-02	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035
SH:UR-8	04-17-02	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035
SH:UR-6	04-16-02	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035

Local identifier	Date	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
SH:UR-11	04-15-02	<.050	<.006	<.002	<.007	<.004	<.022	<.006	<.011	<.004	<.011
SH:UR-31	04-16-02	<.050	<.006	<.002	<.007	<.004	<.022	<.006	<.011	<.004	<.011
Sh:P- 99	04-18-02	<.050	<.006	<.002	<.007	<.004	<.022	<.006	<.011	<.004	<.011
SH:UR-29	04-17-02	<.050	<.006	<.002	<.007	<.004	<.022	<.006	<.011	<.004	<.011
SH:UR-8	04-17-02	<.050	<.006	<.002	<.007	<.004	<.022	<.006	<.011	<.004	<.011
SH:UR-6	04-16-02	<.050	<.006	<.002	<.007	<.004	E.012	<.006	<.011	<.004	<.011

Local identifier	Date	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
SH:UR-11	04-15-02	<.02	<.02	<.034	<.02	<.002	<.009	<.005
SH:UR-31	04-16-02	<.02	.03	<.034	<.02	<.002	<.009	<.005
Sh:P- 99	04-18-02	<.02	<.02	<.034	<.02	<.002	<.009	<.005
SH:UR-29	04-17-02	<.02	<.02	<.034	<.02	<.002	<.009	<.005
SH:UR-8	04-17-02	<.02	<.02	<.034	<.02	<.002	<.009	<.005
SH:UR-6	04-16-02	<.02	<.02	<.034	<.02	<.002	<.009	<.005

350114090071701 -- SH:J-146 MLGW-DAVIS

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 22...	1330	446	160	6.3	19.5	763	.3	3	63	14.0	6.81	7.24	20

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
AUG 22...	.4	.89	94	77	75	3.1	2.94	.12	13.6	91	95	.12	<20

Date	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
AUG 22...	42.7	<13	236	<4	4.5	<50	<2.0	<14	<.1	36.6	<8

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Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)
AUG 22...	1130	162	6.3	18.5	762	.1	1	61	13.6	6.56	7.74	21	.4

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
AUG 22...	.71	90	74	71	4.4	4.62	E.08	12.0	90	95	.12	<20	54.8

Date	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
AUG 22...	<13	711	<4	19.6	<50	4.6	<2	<.1	42.5	<8

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350642089555000 -- SH:K-142 MLGW 99 SHEAHAN WELL FIELD

Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)
AUG 23...	1300	120	6.0	19.0	759	.1	1	36	7.88	3.83	8.62	34	.6

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
AUG 23...	.68	53	44	88	6.8	5.32	<.10	15.0	74	74	.10	<20	23.9

Date	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
AUG 23...	<13	147	<4	19.6	<50	<2.0	<14	<.1	21.8	<8

350230089512301 -- SH:L- 37 MLGW-LICHTERMAN

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 21...	0930	382	100	5.9	18.0	759	3.8	40	25	6.16	2.41	8.97	43

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
AUG 21...	.8	.54	43	35	89	3.1	5.78	<.10	14.3	55	62	.07	<20

Date	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
AUG 21...	15.6	<13	35	<4	E1.0	<50	E1.1	<14	<.1	16.0	<8

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350454089482101 -- SH:L-065 GERMANTOWN 2

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 26...	1515	326	74	6.0	18.0	753	3.8	41	20	4.87	1.98	6.64	41

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 26...	.6	.44	34	28	56	2.3	4.20	<.10	12.6	39	50	.05	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 26...	.14	<.04	<.10	E.002	<.02	<20	14.6	<13	<10	<4	<2.0	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 26...	<2	<.1	13.6	<8	<.05	<.06	<.1	<.06	<.2	E.05	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 26...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 26...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350447089482601 -- SH:L-067 GERMANTOWN

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 27...	1200	605	77	6.2	18.5	756	.9	10	27	6.46	2.51	4.50	27

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 27...	.4	.39	37	30	39	2.6	2.96	<.10	11.3	37	49	.05	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 27...	.07	E.02	<.10	<.004	<.02	<20	13.0	<13	204	<4	4.5	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 27...	<2	<.1	13.4	<8	<.05	<.06	<.1	<.06	<.2	<.02	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 27...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 27...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

SHELBY COUNTY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350450089480601 -- SH:L-081 GERMANTOWN 6

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 26...	1030	835	60	6.1	19.4	754	.2	2	21	5.38	1.77	2.80	22

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 26...	.3	.54	29	24	39	2.9	1.32	<.10	9.87	35	39	.05	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 26...	<.05	<.04	<.10	.006	<.02	<20	11.8	<13	290	<4	3.7	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 26...	<2	<.1	18.2	<8	<.05	<.06	<.1	<.06	<.2	<.02	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 26...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 26...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

350503089482201 -- SH:L-83 GERMANTOWN 5

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 27...	1500	622	87	6.4	19.0	755	.6	7	36	8.76	3.35	2.99	15

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 27...	.2	.38	47	39	30	2.6	1.59	E.08	9.99	38	53	.05	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 27...	<.05	<.04	<.10	<.004	<.02	<20	15.6	<13	252	<4	11.2	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 27...	<2	<.1	16.4	<8	<.05	<.06	<.1	<.06	<.2	<.02	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 27...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 27...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350500089481801 -- SH:L-091 GERMANTOWN 8

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 27...	1345	314	67	6.0	18.0	755	4.0	43	19	4.64	1.91	5.64	38

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 27...	.6	.50	32	27	54	1.8	3.12	<.10	13.0	38	47	.05	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 27...	.08	<.04	<.10	<.004	<.02	<20	19.4	<13	<10	<4	<2.0	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 27...	<2	<.1	14.3	<8	<.05	<.06	<.1	<.06	<.2	E.04	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 27...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 27...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350449089480501 -- SH:L-092 GERMANTOWN 9

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 26...	1145	309	66	6.0	18.0	754	4.7	50	17	4.02	1.64	5.88	43

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 26...	.6	.40	31	26	51	1.5	3.62	<.10	12.4	40	45	.05	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 26...	.14	<.04	<.10	E.003	<.02	<20	13.8	<13	<10	<4	<2.0	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 26...	<2	<.1	11.9	<8	<.05	<.06	<.1	<.06	<.2	E.06	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 26...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 26...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350445089481001 -- SH:L-098 GERMANTOWN 10

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 26...	1400	321	74	6.0	18.0	754	4.3	46	20	4.81	1.92	6.70	42

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 26...	.7	.39	35	28	53	1.7	4.64	<.10	12.4	38	51	.05	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 26...	.28	<.04	<.10	E.004	E.01	<20	14.0	<13	<10	<4	<2.0	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 26...	<2	<.1	12.6	<8	<.05	<.06	<.1	<.06	<.2	E.05	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 26...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 26...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350403089445201 -- Sh:M-48 Germantown 2J

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 28...	0945	269	125	6.0	18.0	758	6.7	71	22	5.23	2.21	13.9	57

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 28...	1	.55	39	32	64	2.8	10.9	<.10	12.8	65	77	.09	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 28...	2.02	<.04	<.10	E.003	<.02	<20	20.3	<13	<10	<4	<2.0	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 28...	<2	<.1	15.0	<8	<.05	<.06	<.1	<.06	<.2	E.06	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 28...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 28...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350403089444301 -- Sh:M-49 Germantown 3J

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 28...	1100	256	87	5.9	17.7	757	6.4	68	18	4.40	1.76	9.16	52

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 28...	.9	.44	32	26	64	1.8	7.96	<.10	12.3	50	57	.07	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 28...	.67	<.04	<.10	E.003	<.02	<20	15.5	<13	13	<4	<2.0	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 28...	<2	<.1	11.2	<8	<.05	<.06	<.1	<.06	<.2	E.09	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 28...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 28...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350412089444301 -- Sh:M-51 Germantown 5J

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 28...	1245	304	50	5.8	18.0	757	4.8	51	12	2.96	1.21	4.23	42

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 28...	.5	.41	23	19	58	1.0	3.07	<.10	11.6	32	36	.04	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 28...	.14	<.04	<.10	<.004	<.02	<20	14.1	<13	13	<4	E2.3	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 28...	E1	<.1	7.5	<8	<.05	<.06	<.1	<.06	<.2	E.06	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 28...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 28...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350408089443001 -- Sh:M-53 Germantown 7J

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 28...	1400	257	57	5.8	18.7	756	5.4	58	13	3.20	1.32	4.79	43

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
AUG 28...	.6	.44	22	18	62	1.3	4.10	<.10	11.9	34	39	.05	<.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 28...	.24	<.04	<.10	<.004	<.02	<20	14.6	<13	13	<4	E2.1	<50	<2.0

Date	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
AUG 28...	<2	<.1	8.2	E4	<.05	<.06	<.1	<.06	<.2	E.07	<.04	<.03	<.1

Date	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)
AUG 28...	<.03	<.3	<.2	<.2	<.03	<.09	<.04	<.04	<.03	<.06	<.09	<.03	<.03

Date	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	STYRENE TOTAL (UG/L) (77128)
AUG 28...	<.03	<.03	<.05	<.18	<.09	<.09	<.1	<.04	<.04

E--Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

350913090100801 -- SH:O-207 MLGW #12C

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
AUG 23...	1045	758	139	6.2	18.0	760	52	12.1	5.34	7.36	23	.4	.61

Date	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
AUG 23...	78	64	81	2.3	2.46	E.07	13.0	76	82	.10	<20	47.5	<13

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
AUG 23...	344	<4	7.5	<50	<2.0	<14	<.1	41.3	<8

351420089570900 -- SH:P-131 MLGW MORTON 621

Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)
AUG 22...	0930	123	6.2	18.5	767	M	0	41	9.76	3.92	7.26	27	.5

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
AUG 22...	1.03	69	57	66	3.4	2.52	E.07	10.7	63	74	.09	<20	55.4

Date	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
AUG 22...	<13	978	<4	15.1	<50	<2.0	<14	<.1	51.9	E4

E--Estimated

351054089515301 -- Sh:Q-33

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 21...	1400	275.	114	6.0	18.0	760	M	0	32	7.26	3.29	8.35	36

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
AUG 21...	.6	.83	53	43	80	6.7	4.89	E.06	11.6	61	70	.08	<20

Date	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
AUG 21...	33.6	<13	675	<4	10.1	<50	<2.0	<14	<.1	29.7	<8

350835089434100 -- SH:R- 29 MLGW #710

Date	Time	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 21...	1130	589	51	5.8	19.0	760	1.7	18	14	3.64	1.30	3.77	35

Date	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
AUG 21...	.4	.44	25	20	66	1.5	1.95	<.10	9.97	33	35	.05	<20

Date	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
AUG 21...	6.9	<13	38	<4	E2.4	<50	<2.0	<14	<.1	8.6	<8

E--Estimated

00441400 HATCHIE NATIONAL WILDLIFE REFUGE RAIN GAGE AT HILLVILLE, TN

(NATIONAL TRENDS NETWORK)

LOCATION.--Lat 35°28'08", long 89°10'14", Haywood County, Hydrologic Unit 08010208, 0.9 mi north of Hillville, 12 mi southeast of Brownsville.

PERIOD OF RECORD.--October 1984 to current year.

INSTRUMENTATION.--An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with a precipitation sensor which activates a motor to operate the sample bucket cover. The sample bucket remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain on-site precipitation records.

REMARKS.--These data are part of the data for this site verified by the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Coordinator. Additional data are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, Co. 80523. Finalized, quality assured data from all 200 NADP/NTN sites are available on-line via the internet at http://btdqs.usgs.gov/acidrain

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