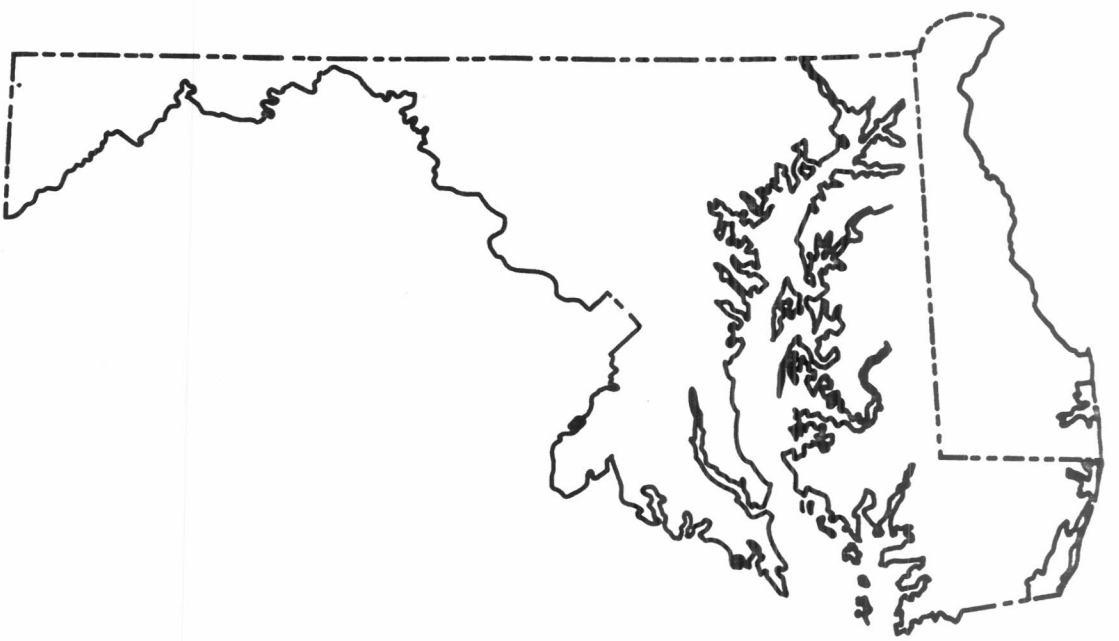
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Water Resources Data Maryland and Delaware Water Year 1995

Volume 2. Ground-Water Data

by Michael J. Smigaj and Richard W. Saffer



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MD-DE-95-2
Prepared in cooperation with the States of Maryland and Delaware and with other agencies

This volume of the annual hydrologic data report of Maryland and Delaware is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Maryland, Delaware, and the District of Columbia are contained in two volumes:

Volume 1. Surface Water Data

Volume 2. Ground Water Data

This report (Volume 2) is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey, Maryland Geological Survey, and Delaware Geological Survey, who collected, compiled, analyzed, and verified, the data for this report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines. The following projects, and individuals contributed to the collection, and data processing on the GWSI, ADAPS, and QWDATA data bases:

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Water resources data for the 1995 water year for Maryland and Delaware consist of records of water levels and water quality of ground-water wells. This report (Volume 2. Ground-Water Data) contains water levels at 388 observation wells, discharge records for 5 springs and water quality at 177 wells. Locations of ground-water level wells are shown on figures 3 and 4. Locations of ground-water-quality sites are shown on figures 5 and 6. The data in this report represents that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State, local, and Federal agencies in Maryland and Delaware.

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Well 390201076182701 Local number QA Db 30 ... 406
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Well 390023076174301 Local number QA Db 34 ... 408
Well 390119076191001 Local number QA Db 35 ... 409
Well 390023076174302 Local number QA Db 37 ... 410
Well 385718076211501 Local number QA Ea 77 ... 411
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Well 385757076200101 Local number QA Ea 79 ... 413
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Well 385718076211503 Local number QA Ea 81 ... 415
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Well 382621075174202 Local number WO Ae 24 466
Well 382621075174203 Local number WO Ae 25 467
Well 382632075031801 Local number WO Ah 6 468
Well 382635075030601 Local number WO Ah 35 469
Well 382635075030602 Local number WO Ah 36 470
Well 382635075030603 Local number WO Ah 37 471
Well 382022075072401 Local number WO Bg 1 472
Well 382359075094501 Local number WO Bg 15 473
Well 382358075094501 Local number WO Bg 45 474
Well 382358075094502 Local number WO Bg 46 475
Well 382325075063301 Local number WO Bg 47 476-477
Well 382325075063302 Local number WO Bg 48 478-479
Well 382038075065901 Local number WO Bg 49 480-481
Well 382215075041801 Local number WO Bh 31 482-483
Well 382443075033501 Local number WO Bh 34 484-485
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Well 380408075335701 Local number WO Fb 2 496

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Well 385554076213801 Local number QA Ea 45....575-576
Well 385825076201201 Local number QA Ea 48....575-576
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Well 385742076205801 Local number QA Ea 71....575-576
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Well 385705076212001 Local number QA Ea 83....575-576
Well 385843076155302 Local number QA Eb 155....575-576
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Well 385236076215201 Local number QA Fa 66.... 577
Well 385023076222201 Local number QA Fa 67.... 577
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Well 381537076272401 Local number SM Df 42.... 578
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Well 394115077461501 Local number WA Ah 63....579-581
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Well 382332075141802 Local number WO Bf 87....584-585
Well 382214075041901 Local number WO Bh 28....584-585
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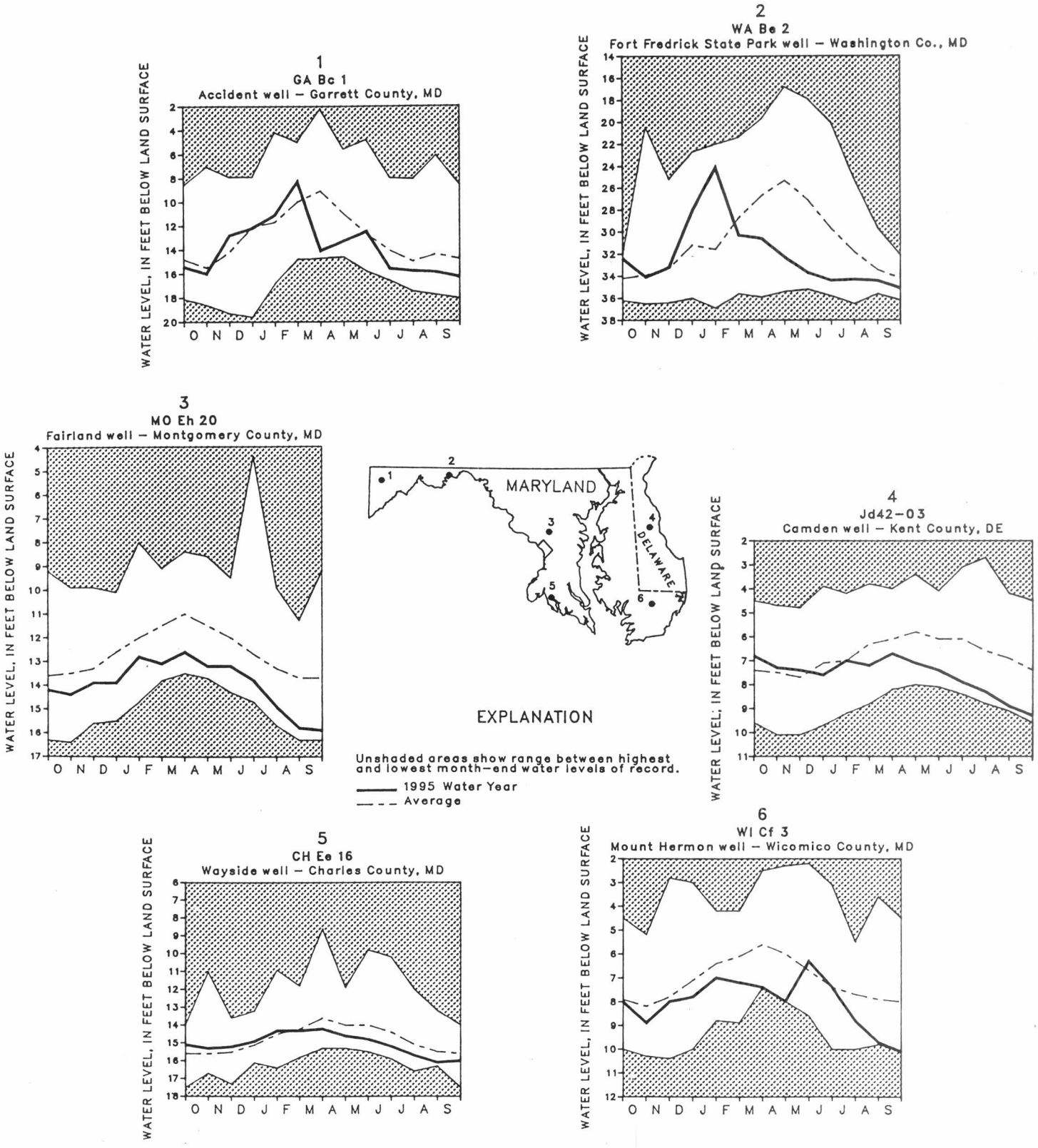
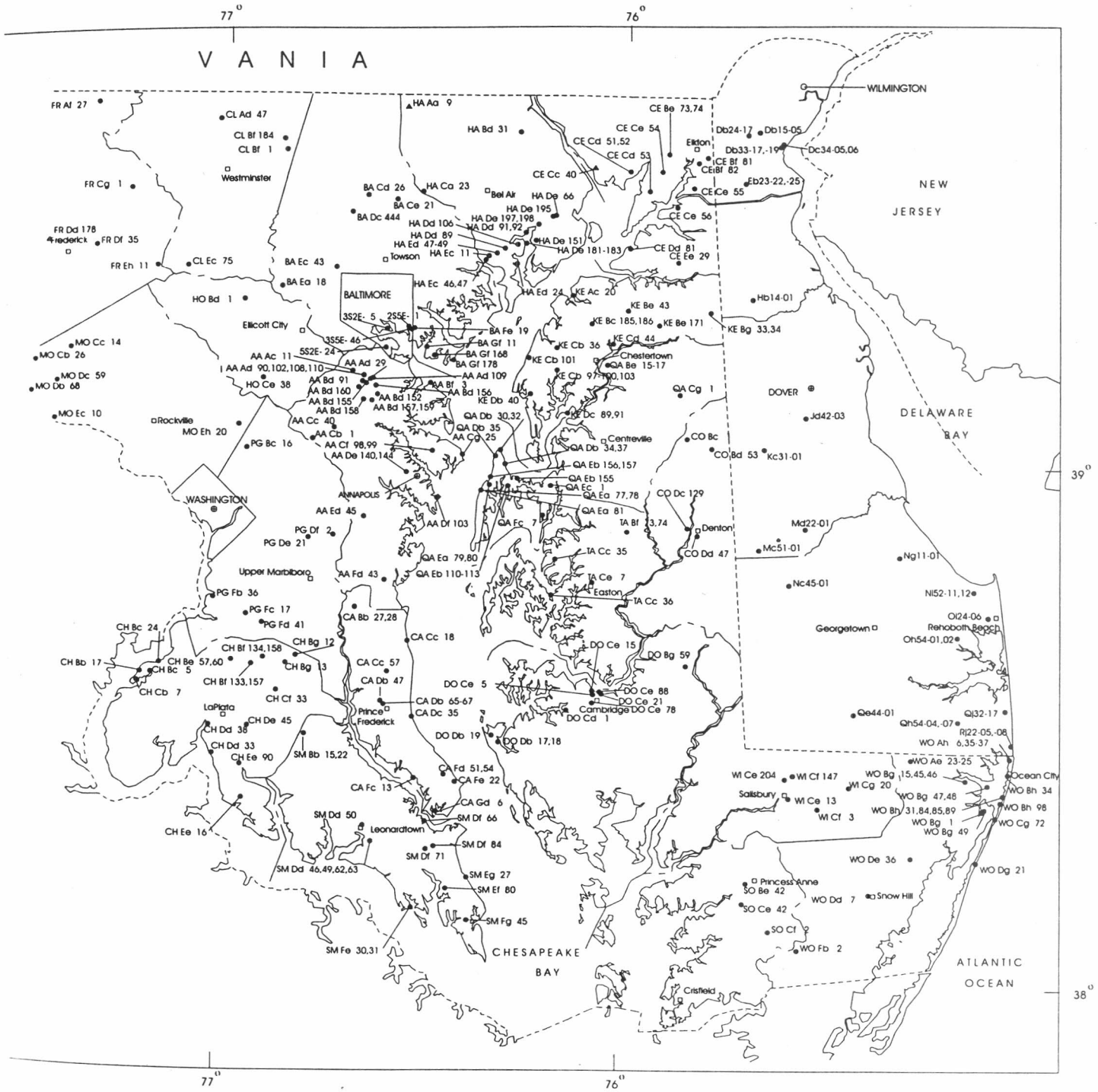
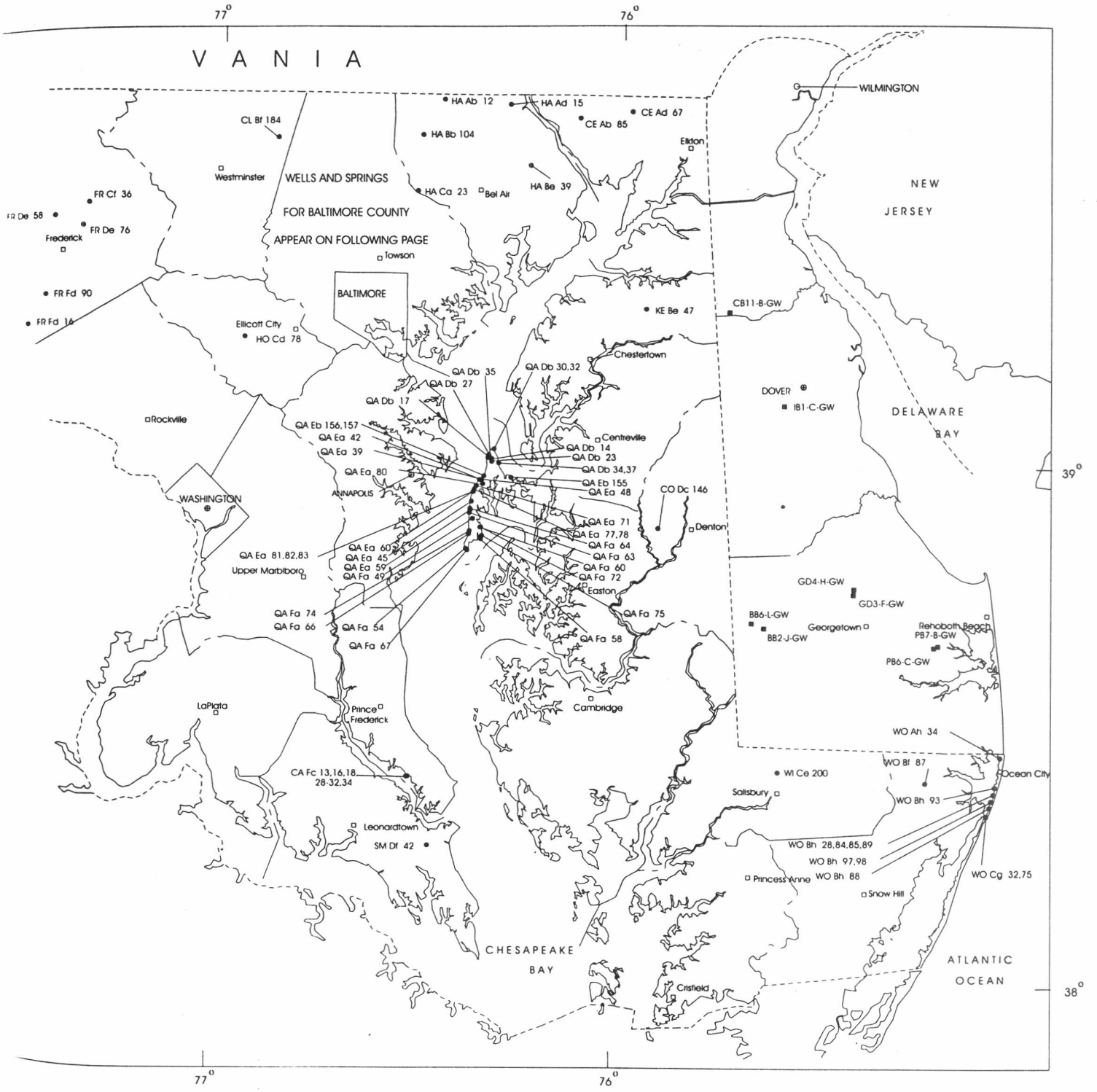


Figure 1.––Monthly ground–water levels at key observation wells.


77°
76°
39°
38°
V A N I A
NEW JERSEY
DELAWARE BAY
ATLANTIC OCEAN
CHESAPEAKE BAY
WILMINGTON
BALTIMORE
WASHINGTON
ANNAPOLIS
DOVER
Westminster
Ellicott City
Towson
Bel Air
Elkton
Rockville
Upper Marlboro
Prince Frederick
LaPlata
Leonardtown
Centreville
Chestertown
Easton
Denton
Georgetown
Rehoboth Beach
Salisbury
Princess Anne
Snow Hill
Cambridge
Crisfield
FR Af 27
CL Ad 47
CL Bf 184
CL Bf 1
FR Cg 1
FR Dd 178
Frederick
FR Df 35
FR Eh 11
CL Ec 75
BA Ec 43
BA Ea 18
HO Bd 1
MO Cc 14
MO Cb 26
MO Dc 59
MO Db 68
MO Ec 10
PG Bc 16
MO Eh 20
AA Ac 11
AA Ad 90,102,108,110
AA Ad 29
HO Ce 38
AA Bd 91
AA Bd 160
AA Bd 155
AA Bd 158
AA Bd 152
AA Bd 156
AA Bd 157,159
AA Cc 40
AA Cb 1
AA Cf 98,99
AA De 140,144
AA Ed 45
PG Df 2
PG De 21
PG Fb 36
PG Fc 17
PG Fd 41
CH Bc 24
CH Bb 17
CH Be 57,60
CH Bc 5
CH Cb 7
CH Bf 134,158
CH Bg 12
CH Bg 13
CH Bf 133,157
CH Cf 33
CH De 45
CH Dd 38
CH Dd 33
CH Ee 90
CH Ee 16
SM Bb 15,22
SM Dd 50
SM Dd 46,49,62,63
SM Fe 30,31
HA Aa 9
HA Bd 31
HA Ca 23
HA De 66
HA De 195
HA De 197,198
HA Dd 91,92
HA Dd 106
HA Dd 89
HA Ed 47-49
HA Ec 11
HA De 151
HA De 181-183
HA Ec 46,47
HA Ed 24
BA Cd 26
BA Ce 21
BA Dc 444
BA Cd 444
BA Gf 11
BA Gf 168
BA Gf 178
BA Fe 19
BA Bf 3
AA Ad 109
AA Bd 156
KE Db 40
QA Db 30,32
QA Db 35
AA Cg 25
QA Eb 156,157
QA Eb 155
QA Ec 1
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QA Ea 81
QA Fc 7
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CA Cc 18
CA Cc 57
CA Db 47
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DO Db 19
DO Db 17,18
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CA Fe 22
CA Fc 13
CA Gd 6
SM Df 66
SM Df 84
SM Df 71
SM Eg 27
SM Ef 80
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HA Ed 24
KE Ac 20
KE Be 43
KE Bc 185,186
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KE Cb 36
KE Cd 44
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QA Be 15-17
KE Cb 97-100,103
KE Dc 89,91
QA Cg 1
CO Bc
CO Bd 53
Kc31-01
CO Dc 129
TA Bf 73,74
CO Dd 47
TA Cc 35
TA Ce 7
TA Cc 36
DO Ce 15
DO Bg 59
DO Ce 5
DO Ce 88
DO Ce 21
DO Ce 78
DO Cd 1
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CE Ce 54
CE Cd 51,52
CE Cd 53
CE Cc 40
CE Bf 81
CE Bf 82
CE Ce 55
CE Ce 56
CE Dd 81
CE Ee 29
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WO Bg 1
WO Bg 49
WO Bh 34
WO Bh 98
WO Cg 72
Ocean City
WO De 36
WO Dg 21
WO Dd 7
WO Fb 2
SO Be 42
SO Ce 42
SO Cf
Wl Ce 204
Wl Cf 147
Wl Cg 20
Wl Ce 13
Wl Cf 3
AA Ed 90,102,108,110
AA Ad 90,102,108,110


77°
76°
V A N I A
WILMINGTON
HA Ab 12
HA Ad 15
CE Ad 67
CE Ab 85
CL Bf 184
HA Bb 104
Elkton
Westminster
WELLS AND SPRINGS
FOR BALTIMORE COUNTY
APPEAR ON FOLLOWING PAGE
HA Ca 23
Bel Air
HA Be 39
NEW
JERSEY
FR Cf 36
FR De 58
FR De 76
Frederick
Towson
BALTIMORE
FR Fd 90
FR Fd 16
KE Be 47
CB11-B-GW
Ellicott City
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Chestertown
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WASHINGTON
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Upper Marlboro
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QA Fa 72
Easton
GD4-H-GW
GD3-F-GW
QA Fa 74
QA Fa 66
QA Fa 54
QA Fa 75
BB6-L-GW
Georgetown
Rehoboth Beach
PB7-B-GW
BB2-J-GW
QA Fa 67
QA Fa 58
PB6-C-GW
LaPlata
Prince
Frederick
Cambridge
WO Ah 34
WO Bf 87
CA Fc 13,16,18,
28-32,34
WI Ce 200
Ocean City
Salisbury
WO Bh 93
Leonardtown
SM Df 42
WO Bh 28,84,85,89
WO Bh 97,98
Princess Anne
WO Bh 88
WO Cg 32,75
Snow Hill
CHESAPEAKE
BAY
ATLANTIC
OCEAN
Crisfield
39°
38°
77°
76°

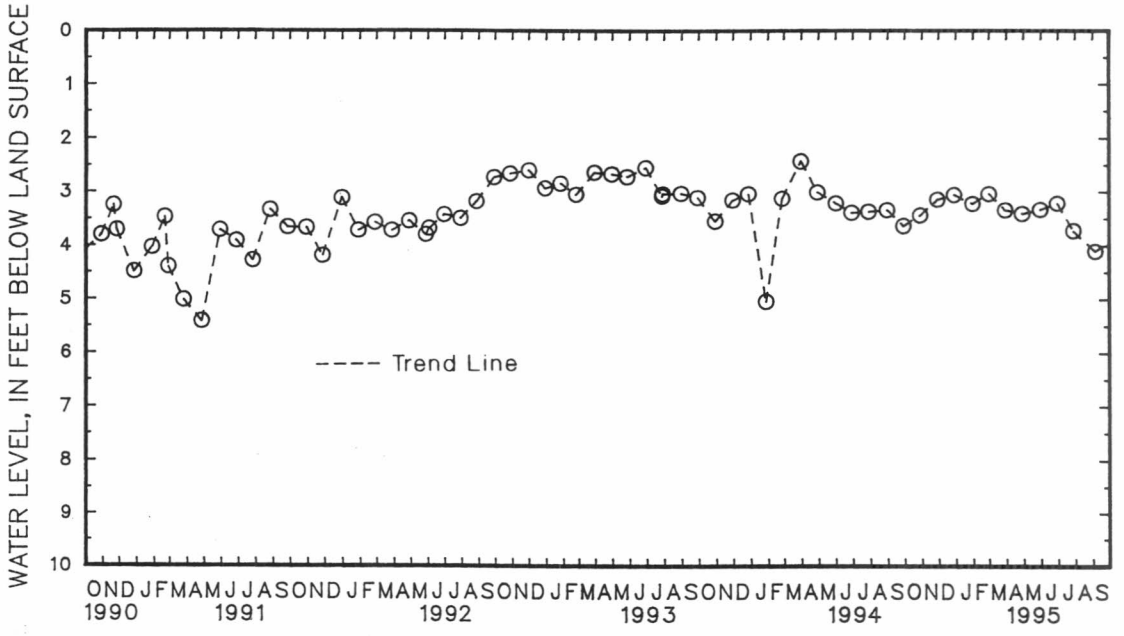
WICOMICO COUNTY

WELL NUMBER.--WI Ce 13. SITE ID.--382150075352101.
LOCATION.--Lat 38°21'50", long 75°35'21", Hydrologic Unit 02060007, at Municipal Zoo Park, Salisbury.
Owner: City of Salisbury.
AQUIFER.--Pensauken Formation of the Salisbury aquifer of Miocene age. Aquifer code: 112SLBR.
WELL CHARACTERISTICS.--Drilled, unused, water-table well, reported depth 65 ft, measured depth 51.7 ft; casing diameter 16 to 10 in., to unknown depth; screen diameter and interval unknown; screen length 20 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
Equipped with water-level recorder from July 16, 1947 to Jan. 3, 1955; Aug. 23, 1962 to Aug. 20, 1968.
DATUM.--Elevation of land surface is 7 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of casing, 1.04 ft above land surface.
REMARKS.--Maryland Water-Level Network observation well.
PERIOD OF RECORD.--July 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.25 ft below land surface, Aug. 30, 1979; lowest measured, 10.72 ft below land surface, Aug. 30, 1947.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.46	DEC 28	3.07	FEB 28	3.05	APR 28	3.43	JUN 29	3.23	SEP 5	4.14
NOV 28	3.16	JAN 30	3.24	MAR 29	3.36	MAY 30	3.35	JUL 28	3.75		

WATER YEAR 1995 HIGHEST 3.05 FEB 28, 1995 LOWEST 4.14 SEP 5, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

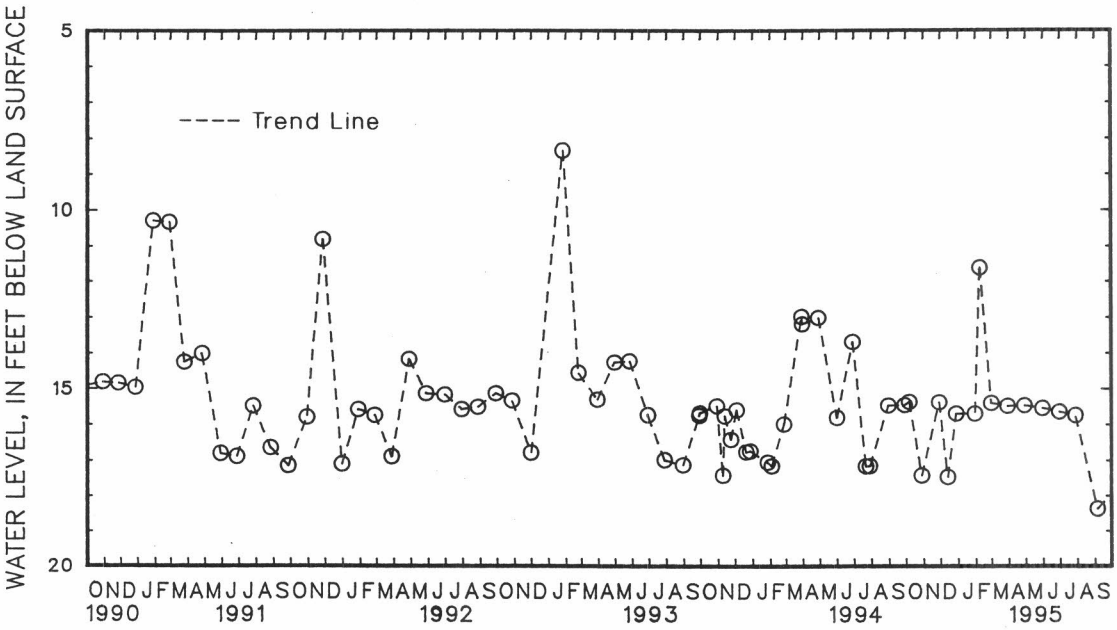
WICOMICO COUNTY--Continued

WELL NUMBER.--WI Ce 204. SITE ID.--382404075355401 PERMIT NUMBER.--WI-67-0191.
LOCATION.--Lat 38°24'04", long 75°35'54", Hydrologic Unit 02060007, north side of Naylor Mill Rd., Salisbury.
Owner: City of Salisbury.
AQUIFER.--Pensauken Formation of the Salisbury aquifer of Miocene age. Aquifer code: 112SLBR.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 113 ft; casing diameter 8 in., to 109 ft; screen diameter 3 in. from 109 to 113 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 28 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of shelter floor on cross-brace, 3.14 ft above land surface.
REMARKS.--Maryland Water-Level Network and Salisbury project observation well.
PERIOD OF RECORD.--April 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.35 ft below land surface, April 27, 1967; lowest measured, 17.47 ft below land surface, Nov. 9, 1993.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	15.38	DEC 13	17.51	FEB 8	11.63	APR 28	15.52	JUL 28	15.80
28	17.47	28	15.71	28	15.46	MAY 30	15.60	SEP 5	18.40
NOV 28	15.39	JAN 30	15.71	MAR 29	15.54	JUN 29	15.70		

WATER YEAR 1995 HIGHEST 11.63 FEB 8, 1995 LOWEST 18.40 SEP 5, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WI Ce 210. SITE ID.--382439075355301. PERMIT NUMBER.--WI-67-0285.
LOCATION.--Lat 38°24'39", long 75°35'53", Hydrologic Unit 02060007, north side of Naylor Mill Rd., near Salisbury.
Owner: U.S. Geological Survey.
AQUIFER.--Pensauken Formation of the Salisbury aquifer of Miocene age. Aquifer code: 112SLBR.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 132 ft; casing diameter 4 in., to 122 ft; screen diameter 2 in. from 122 to 132 ft.
INSTRUMENTATION.--Periodic measurements with chalked steel tape by U.S. Geological Survey personnel.
Equipped with digital water-level recorder--15-minute recorder interval from September 28, 1993 to current year.
DATUM.--Elevation of land surface is 39 ft above National Geodetic Vertical Datum of 1929.
Measuring Point: Top of recorder platform, 2.08 ft above land surface.
REMARKS.--City of Salisbury contibuting zone delineation study. Missing data due to recorder malfunction.
PERIOD OF RECORD.--September 28, 1993 to April 26, 1995.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.78 ft above sea level, April 11, 1994; lowest measured, 14.40 ft above sea level, March 25, 1995.

WATER LEVEL, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	16.18	15.42	16.21	15.19	---	---	15.98	15.24	---	---	17.75	15.25
2	16.25	15.57	16.03	15.07	---	---	16.02	15.21	---	---	17.66	15.50
3	17.06	15.40	16.05	15.24	---	---	16.01	15.06	---	---	16.34	15.05
4	17.06	15.15	16.09	15.12	---	---	15.90	15.06	---	---	16.42	15.30
5	16.16	15.41	15.96	15.12	---	---	15.84	15.08	---	---	17.55	15.48
6	16.18	15.40	16.07	15.34	---	---	15.93	15.05	---	---	17.48	15.49
7	16.15	15.20	16.07	15.31	---	---	15.95	15.10	---	---	16.19	15.13
8	16.08	15.31	16.11	15.31	---	---	15.90	15.20	---	---	16.03	15.18
9	16.16	15.40	16.03	15.20	---	---	15.91	15.20	17.78	17.46	16.07	15.39
10	16.16	15.40	15.96	15.11	---	---	15.92	14.99	17.81	15.33	16.08	15.13
11	16.14	15.18	15.93	15.15	---	---	17.29	14.99	16.07	15.33	16.09	15.37
12	16.09	15.17	16.00	15.25	---	---	---	---	16.00	15.32	16.13	15.47
13	16.13	15.30	16.03	15.10	---	---	---	---	16.06	15.32	16.16	15.40
14	16.12	15.19	16.03	15.17	15.94	15.13	---	---	16.64	15.13	16.15	15.20
15	16.03	15.24	16.07	15.10	15.96	15.16	---	---	15.94	15.14	16.05	15.01
16	16.76	15.32	15.95	15.18	15.93	15.04	---	---	15.98	15.03	17.44	15.33
17	16.15	15.41	16.81	15.29	15.88	15.04	---	---	16.03	15.11	16.09	15.13
18	16.14	15.17	16.01	15.07	15.95	15.17	---	---	15.93	15.11	16.41	15.27
19	16.07	15.27	15.98	15.14	15.98	15.07	---	---	16.05	15.15	16.91	15.36
20	16.09	15.19	15.97	15.13	15.96	15.02	---	---	16.05	15.29	16.07	15.24
21	16.14	15.15	16.08	15.26	15.90	15.13	---	---	17.69	15.24	16.11	14.59
22	16.03	15.26	16.12	15.18	15.96	15.12	---	---	17.80	15.48	16.13	15.13
23	16.11	15.39	16.08	15.28	15.99	15.03	---	---	17.99	15.66	15.99	14.45
24	16.15	15.40	16.04	15.23	15.89	15.13	---	---	18.02	15.44	16.53	14.62
25	16.70	15.16	---	---	15.95	15.13	---	---	16.70	15.41	16.56	14.40
26	16.76	15.24	---	---	15.98	15.24	---	---	16.21	15.23	16.60	14.54
27	17.05	15.25	---	---	16.03	15.09	---	---	16.27	15.55	16.25	14.60
28	16.04	15.15	---	---	15.95	15.15	---	---	16.19	15.25	16.49	14.41
29	16.00	15.02	---	---	15.94	15.13	---	---	---	---	16.09	14.58
30	16.03	15.11	---	---	15.92	15.07	---	---	---	---	16.49	15.17
31	16.10	15.42	---	---	15.91	15.07	---	---	---	---	16.15	14.55
MONTH	17.06	15.02	16.81	15.07	16.03	15.02	17.29	14.99	18.02	15.03	17.75	14.40

GROUND-WATER LEVELS

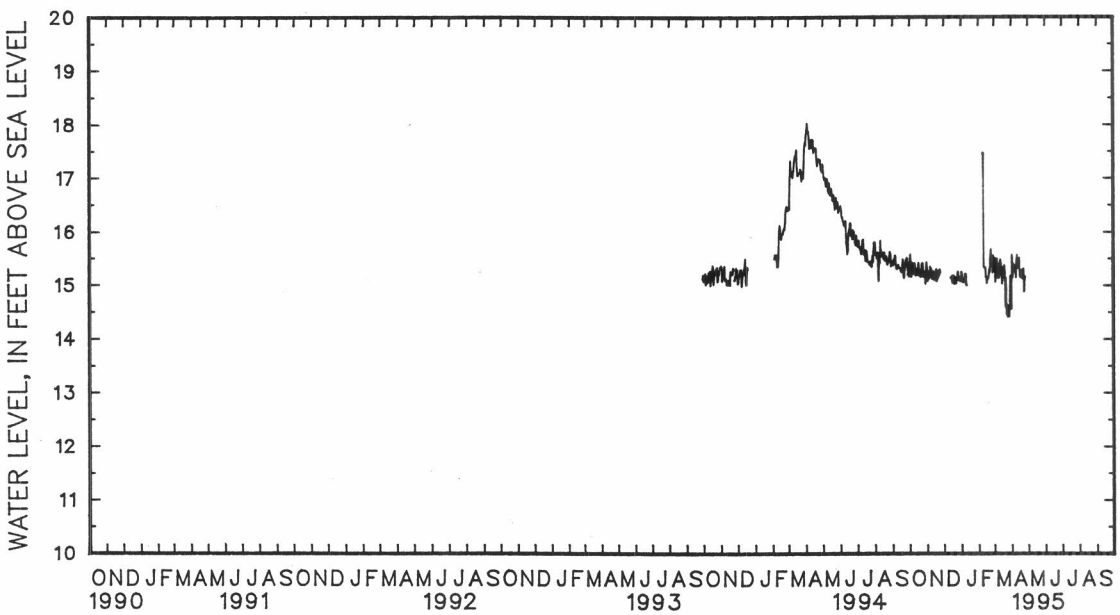
MARYLAND--Continued

WICOMICO COUNTY--Continued

WI Ce 210--Continued

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	16.15	14.55	---	---	---	---	---	---	---	---	---	---
2	16.17	15.57	---	---	---	---	---	---	---	---	---	---
3	16.30	15.13	---	---	---	---	---	---	---	---	---	---
4	16.02	15.26	---	---	---	---	---	---	---	---	---	---
5	16.11	15.39	---	---	---	---	---	---	---	---	---	---
6	17.25	15.25	---	---	---	---	---	---	---	---	---	---
7	16.19	15.28	---	---	---	---	---	---	---	---	---	---
8	17.45	15.34	---	---	---	---	---	---	---	---	---	---
9	17.77	15.14	---	---	---	---	---	---	---	---	---	---
10	17.81	15.48	---	---	---	---	---	---	---	---	---	---
11	16.31	15.56	---	---	---	---	---	---	---	---	---	---
12	17.61	15.31	---	---	---	---	---	---	---	---	---	---
13	16.17	15.42	---	---	---	---	---	---	---	---	---	---
14	17.78	15.42	---	---	---	---	---	---	---	---	---	---
15	17.86	15.50	---	---	---	---	---	---	---	---	---	---
16	16.28	15.17	---	---	---	---	---	---	---	---	---	---
17	16.18	15.16	---	---	---	---	---	---	---	---	---	---
18	15.99	15.14	---	---	---	---	---	---	---	---	---	---
19	16.03	15.23	---	---	---	---	---	---	---	---	---	---
20	16.07	15.28	---	---	---	---	---	---	---	---	---	---
21	16.14	15.12	---	---	---	---	---	---	---	---	---	---
22	16.05	15.25	---	---	---	---	---	---	---	---	---	---
23	16.05	15.30	---	---	---	---	---	---	---	---	---	---
24	16.14	14.87	---	---	---	---	---	---	---	---	---	---
25	15.94	15.09	---	---	---	---	---	---	---	---	---	---
26	16.01	15.15	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	17.86	14.55	---	---	---	---	---	---	---	---	---	---
YEAR	18.02	14.40										

Daily Low Water Levels



5 YEAR HYDROGRAPH

OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WI Ce 213. SITE ID.--382336075352101. PERMIT NUMBER.--WI-67-0288.
LOCATION.--Lat 38°23'36", long 75°35'21", Hydrologic Unit 02060007, north side of Naylor Mill Rd., near Salisbury.
Owner: U.S. Geological Survey.
AQUIFER.--Pensauken Formation of the Salisbury aquifer of Miocene age. Aquifer code: 112SLBR.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 157 ft; casing diameter 4 in., to 147 ft; screen diameter 2 in. from 147 to 157 ft.
INSTRUMENTATION.--Periodic measurements with chalked steel tape by U.S. Geological Survey personnel.
Equipped with digital water-level recorder--30-minute recorder interval from October 16, 1993 to current year.
DATUM.--Elevation of land surface is 38 ft above National Geodetic Vertical Datum of 1929.
Measuring Point: Top of recorder platform, 1.99 ft above land surface.
REMARKS.--City of Salisbury contributing zone delineation study. Water levels are affected by nearby pumping. Missing data due to recorder malfunction.
PERIOD OF RECORD.--October 16, 1993 to July 17, 1995.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.13 ft above sea level, April 3, 1994; lowest measured, 10.95 ft above sea level, May 19, 1995.

WATER LEVEL, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	17.39	17.25	17.28	17.18	17.24	17.17	17.22	17.13	17.22	17.13
2	---	---	17.33	17.22	17.26	17.17	17.25	17.11	17.21	17.10	17.24	17.15
3	---	---	17.32	17.23	17.25	17.17	17.19	17.10	17.19	17.09	17.26	17.20
4	---	---	17.31	17.21	17.26	17.19	17.20	17.08	17.29	17.14	17.27	17.21
5	---	---	17.30	17.21	17.32	17.21	17.15	17.07	17.24	17.12	17.27	17.18
6	---	---	17.33	17.24	17.25	17.16	17.18	17.11	17.21	17.12	17.27	17.18
7	17.42	17.32	17.31	17.23	17.29	17.15	17.30	17.11	17.19	17.12	17.35	17.20
8	17.43	17.36	17.33	17.25	17.23	17.12	17.19	17.12	---	---	17.29	17.16
9	17.46	17.37	17.32	17.22	17.24	17.14	17.19	17.11	16.90	16.63	17.32	17.17
10	17.43	17.33	17.28	17.18	17.29	17.13	17.17	17.08	17.02	16.89	17.34	17.23
11	17.40	17.29	17.26	17.18	17.30	17.16	17.23	17.08	17.09	17.00	17.33	17.22
12	17.40	17.33	17.28	17.19	17.25	17.16	17.18	17.09	17.15	17.07	17.29	17.21
13	17.42	17.32	17.27	17.19	17.37	17.16	17.16	17.06	17.14	17.06	17.33	17.22
14	17.40	17.31	17.28	17.18	17.25	17.15	17.15	17.07	17.15	17.06	17.34	17.25
15	17.39	17.29	17.26	17.16	17.25	17.15	17.19	17.11	17.20	17.08	17.34	17.23
16	17.39	17.32	17.25	17.17	17.23	17.14	17.22	17.11	17.22	17.13	17.35	17.27
17	17.41	17.32	17.28	17.20	17.24	17.14	17.18	17.07	17.22	17.16	17.36	17.27
18	17.39	17.29	17.27	17.16	17.25	17.15	17.13	17.06	17.20	13.20	17.40	17.28
19	17.39	17.30	17.25	17.18	17.23	17.14	17.18	17.10	16.83	13.05	17.37	17.25
20	17.38	17.29	17.24	17.16	17.19	17.11	17.23	17.13	16.63	12.90	17.38	16.36
21	17.36	17.25	17.33	17.19	17.21	17.13	17.20	17.11	16.75	14.13	17.46	13.69
22	17.36	17.29	17.34	17.23	17.25	17.13	17.20	17.12	16.94	16.74	17.25	14.59
23	17.39	17.32	17.36	17.23	17.25	17.14	17.22	17.15	17.05	16.90	17.36	17.18
24	17.38	17.29	17.34	17.22	17.24	17.15	17.21	17.09	17.24	17.01	17.32	17.22
25	17.38	17.24	17.34	17.24	17.21	17.18	17.18	17.09	17.23	17.07	17.33	13.78
26	17.35	17.26	17.30	17.22	17.21	17.13	17.17	17.11	17.24	17.08	17.21	17.09
27	17.35	17.26	17.35	17.25	17.21	17.13	17.16	17.09	17.28	17.14	17.29	17.16
28	17.32	17.25	17.39	17.24	17.24	17.13	17.16	17.09	17.17	17.11	17.27	17.17
29	17.33	17.23	17.30	17.20	17.20	17.10	17.17	17.10	---	---	17.30	17.20
30	17.33	17.25	17.30	17.18	17.19	17.10	17.22	17.13	---	---	17.34	17.21
31	17.36	17.30	---	---	17.23	17.10	17.27	17.12	---	---	17.34	17.23
MONTH	17.46	17.23	17.39	17.16	17.37	17.10	17.30	17.06	17.29	12.90	17.46	13.69

GROUND-WATER LEVELS

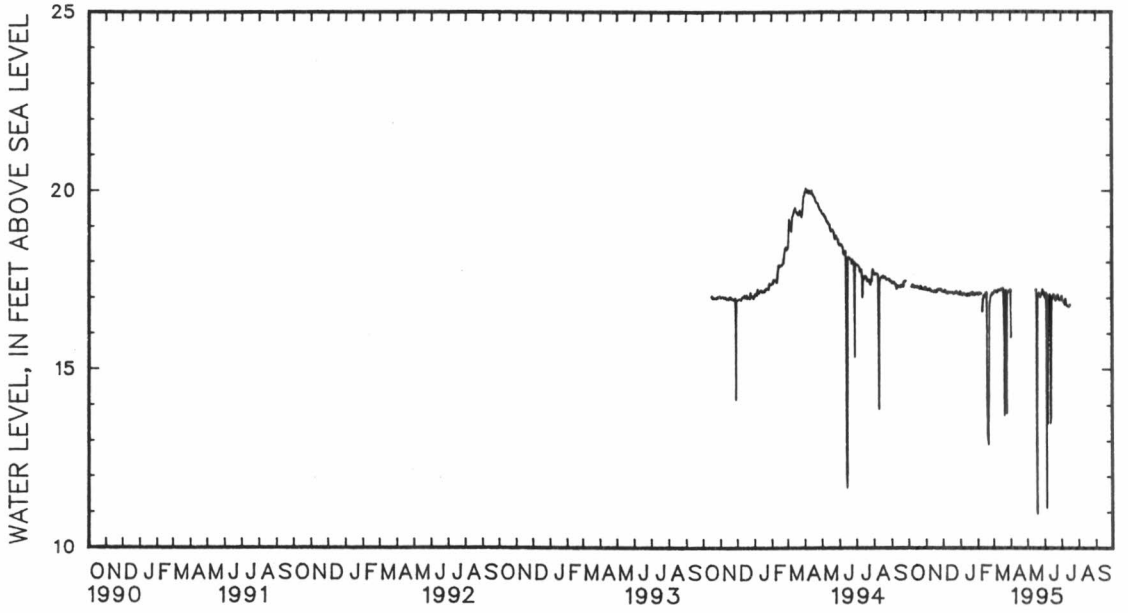
MARYLAND--Continued

WICOMICO COUNTY--Continued

WI Ce 213--Continued

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	17.35	17.23	---	---	17.25	17.08	17.13	17.02	---	---	---	---
2	17.34	15.90	---	---	17.22	17.01	17.14	17.06	---	---	---	---
3	---	---	---	---	17.21	17.05	17.13	16.94	---	---	---	---
4	---	---	---	---	17.23	17.14	17.15	16.93	---	---	---	---
5	---	---	---	---	17.23	11.11	17.11	16.92	---	---	---	---
6	---	---	---	---	17.19	17.10	17.09	16.86	---	---	---	---
7	---	---	---	---	17.24	13.48	17.05	16.85	---	---	---	---
8	---	---	---	---	17.14	16.99	17.05	16.82	---	---	---	---
9	---	---	---	---	17.13	16.96	17.06	16.97	---	---	---	---
10	---	---	---	---	17.16	17.05	17.06	16.83	---	---	---	---
11	---	---	---	---	17.19	17.10	17.01	16.80	---	---	---	---
12	---	---	---	---	17.22	13.49	16.98	16.78	---	---	---	---
13	---	---	---	---	16.94	13.64	16.98	16.76	---	---	---	---
14	---	---	---	---	17.09	16.94	16.98	16.77	---	---	---	---
15	---	---	---	---	17.12	17.04	16.96	16.75	---	---	---	---
16	---	---	17.30	17.23	17.16	17.08	16.95	16.77	---	---	---	---
17	---	---	17.40	17.24	17.18	17.00	17.03	16.81	---	---	---	---
18	---	---	17.37	11.03	17.18	17.10	---	---	---	---	---	---
19	---	---	17.35	10.95	17.21	17.03	---	---	---	---	---	---
20	---	---	17.20	17.06	17.19	16.98	---	---	---	---	---	---
21	---	---	17.23	17.13	17.14	16.93	---	---	---	---	---	---
22	---	---	17.23	17.16	17.13	16.94	---	---	---	---	---	---
23	---	---	17.21	17.08	17.13	17.05	---	---	---	---	---	---
24	---	---	17.21	17.03	17.14	17.06	---	---	---	---	---	---
25	---	---	17.20	17.02	17.16	17.09	---	---	---	---	---	---
26	---	---	17.30	17.11	17.15	17.00	---	---	---	---	---	---
27	---	---	17.23	17.10	17.15	16.96	---	---	---	---	---	---
28	---	---	17.28	17.18	17.12	16.94	---	---	---	---	---	---
29	---	---	17.44	17.24	17.13	16.96	---	---	---	---	---	---
30	---	---	17.30	17.18	17.14	16.95	---	---	---	---	---	---
31	---	---	17.26	17.17	---	---	---	---	---	---	---	---
MONTH	17.35	15.90	17.44	10.95	17.25	11.11	17.15	16.75	---	---	---	---
YEAR	17.46	10.95										

Daily Low Water Levels



5 YEAR HYDROGRAPH

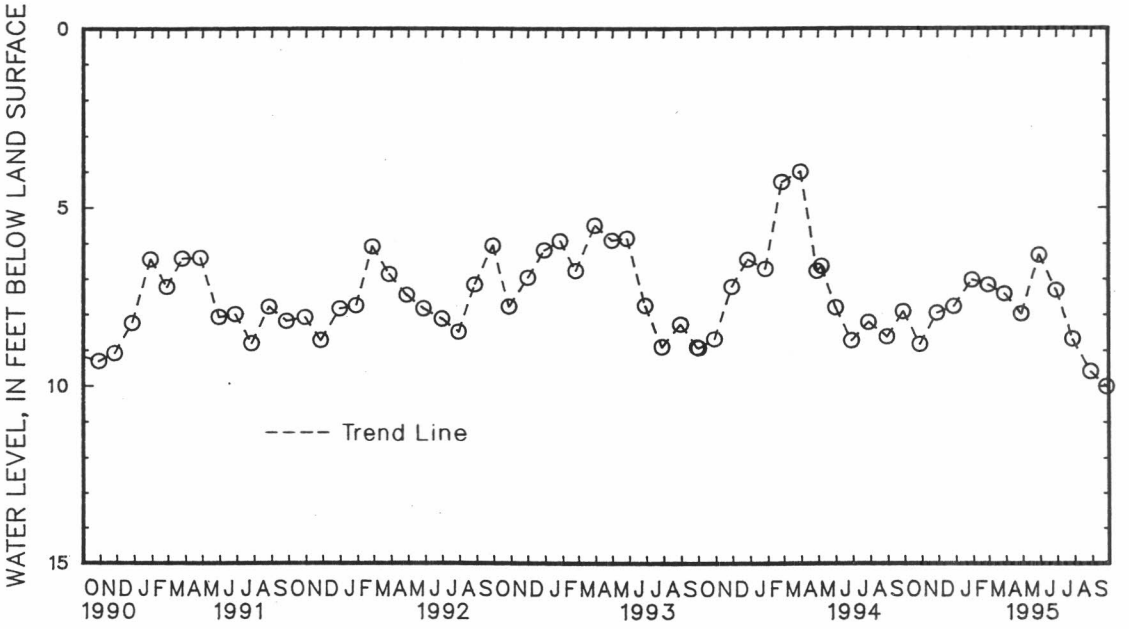
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WI Cf 3. SITE ID.--382037075310801.
LOCATION.--Lat 38°20'37", long 75°31'08", Hydrologic Unit 02060007, on Airport Rd., at Salisbury-Wicomico Airport, Mt. Hermon.
Owner: Salisbury-Wicomico Airport.
AQUIFER.--Pensauken Formation of the Salisbury aquifer of Miocene age. Aquifer code: 112SLBR.
WELL CHARACTERISTICS.--Drilled, unused, water-table well, depth 110 ft; casing diameter 16 in., to 90 ft; screened from 90 to 110 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel. Equipped with graphic water-level recorder from March 24, 1948 to July 9, 1948, Aug. 2, 1949 to April 11, 1960, and Aug. 29, 1963 to Aug. 20, 1968.
DATUM.--Elevation of land surface is 44.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
REMARKS.--Maryland Water-Level Network and Salisbury project observation well. Water level reported 7.2 ft below land surface, Oct. 26, 1942.
PERIOD OF RECORD.--September 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.18 ft below land surface, May 8, 1958; lowest measured, 13.44 ft below land surface, Sept. 18, 1947.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	8.90	DEC 28	7.81	FEB 28	7.19	APR 28	8.03	JUN 29	7.36	AUG 29	9.66
NOV 28	8.00	JAN 30	7.04	MAR 29	7.45	MAY 30	6.34	JUL 28	8.75	SEP 26	10.08

WATER YEAR 1995 HIGHEST 6.34 MAY 30, 1995 LOWEST 10.08 SEP 26, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

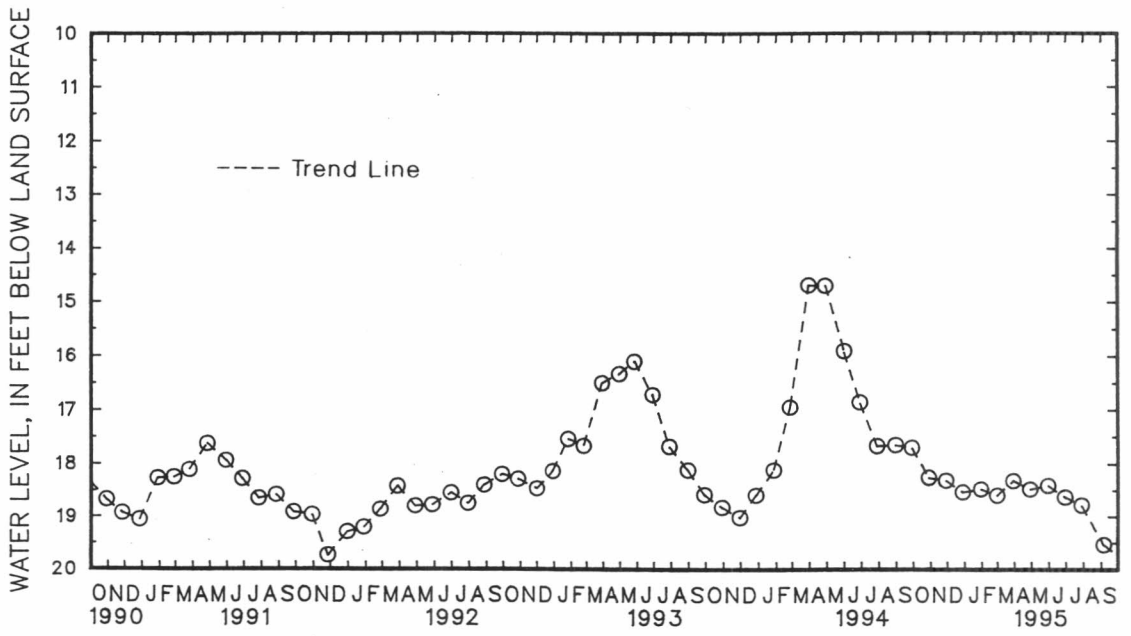
WICOMICO COUNTY--Continued

WELL NUMBER.--WI Cf 147. SITE ID.--382429075344501.
LOCATION.--Lat 38°24'29", long 75°34'45", Hydrologic Unit 02060007, south side of Naylor Mill Rd., Salisbury.
Owner: A. S. Abell Co.
AQUIFER.--Pensauken Formation of the Salibury aquifer of Miocene age. Aquifer code: 112SLBR.
WELL CHARACTERISTICS.--Drilled, unused, artesian well, depth 80 ft; casing diameter 2 in., to 80 ft; perforated casing from 60 to 80 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 41.83 ft above National Geodetic Vertical Datum of 1929.
Measuring point: Top of casing at land surface.
REMARKS.--Maryland Water-Level Network observation well.
PERIOD OF RECORD.--November 1964; March 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.78 ft below land surface, June 18, 1979; lowest measured, 19.74 ft below land surface, Nov. 26, 1991.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	18.29	DEC 28	18.56	FEB 28	18.62	APR 28	18.50	JUN 29	18.65	SEP 5	19.54
NOV 28	18.34	JAN 30	18.50	MAR 29	18.34	MAY 30	18.43	JUL 28	18.80		

WATER YEAR 1995 HIGHEST 18.29 OCT 28, 1994 LOWEST 19.54 SEP 5, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

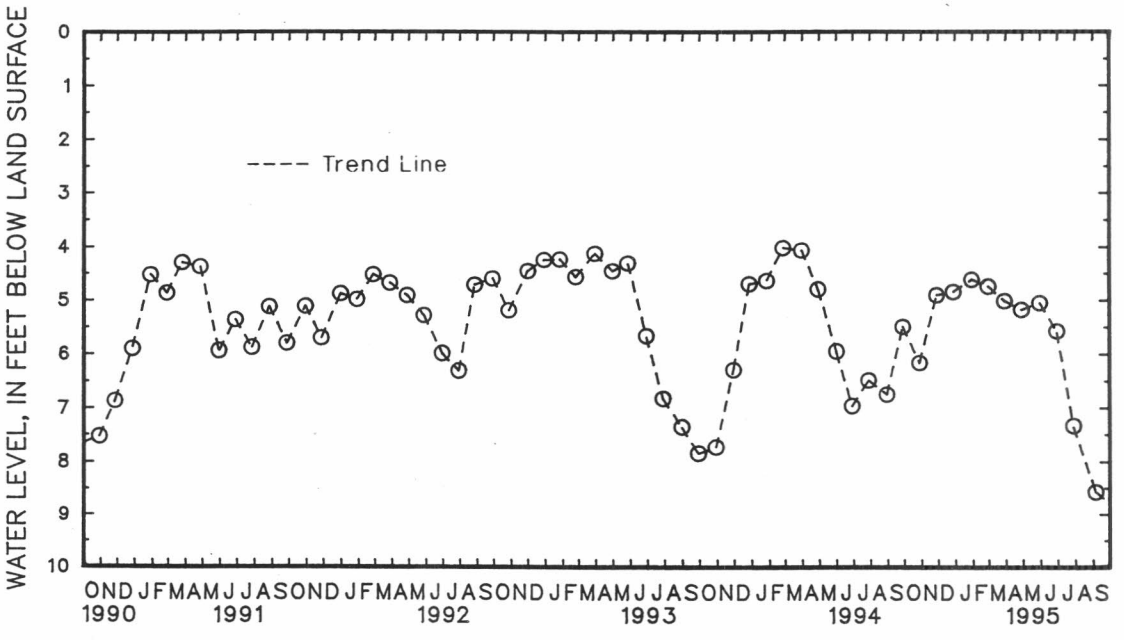
WICOMICO COUNTY--Continued

WELL NUMBER.--WI Cg 20. SITE ID.--382329075263701.
LOCATION.--Lat 38°23'29", long 75°26'37", Hydrologic Unit 02060009, 1.45 mi east of Parsonsburg, south of MD Rt. 346.
Owner: Maryland State Highway Administration.
AQUIFER.--Parsonsburg Sand of Pleistocene age. Aquifer code: 112PRBG.
WELL CHARACTERISTICS.--Driven, unused, water-table well, depth 25 ft, casing diameter 1.25 in., to unknown depth.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 68 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 2 in. sleeve, 0.17 ft above land surface.
REMARKS.--Maryland Water-Level Network observation well.
PERIOD OF RECORD.--August 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.84 ft below land surface, Jan. 31, 1950; lowest measured, 8.68 ft below land surface, Oct. 10, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	6.19	DEC 28	4.85	FEB 28	4.75	APR 28	5.20	JUN 29	5.61	SEP 5	8.60
NOV 28	4.91	JAN 30	4.62	MAR 29	5.03	MAY 30	5.07	JUL 28	7.37		

WATER YEAR 1995 HIGHEST 4.62 JAN 30, 1995 LOWEST 8.60 SEP 5, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

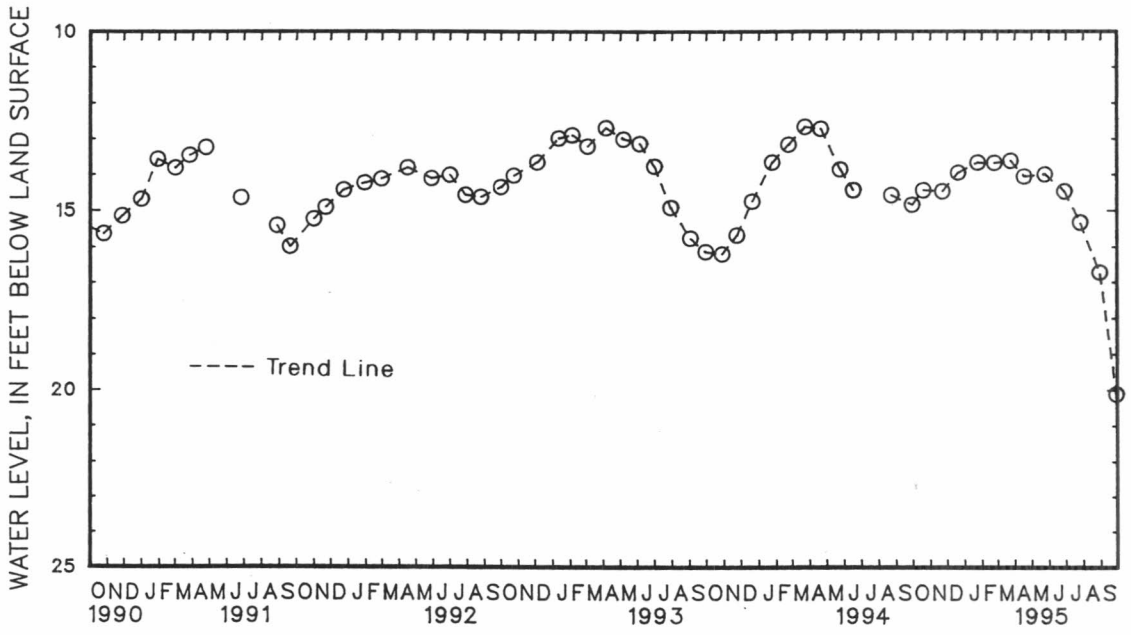
WORCESTER COUNTY

WELL NUMBER.--WO Ae 23. SITE ID.--382621075174201. PERMIT NUMBER.--WO-73-0513.
LOCATION.--Lat 38°26'21", long 75°17'42", Hydrologic Unit 02060009, 2.75 mi north of Whaleysville.
Owner: U.S. Geological Survey.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 280 ft; casing diameter 4 in., to 270 ft; screen diameter 4 in. from 270 to 280 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 40 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 4 in. coupling, 3.52 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.85 ft below land surface, Dec. 16, 1975; lowest measured, 20.18 ft below land surface, Sept. 28, 1995.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	14.47	DEC 20	13.97	FEB 23	13.69	APR 17	14.08	JUN 28	14.50	AUG 30	16.78
NOV 22	14.50	JAN 24	13.68	MAR 24	13.63	MAY 24	14.02	JUL 26	15.38	SEP 28	20.18

WATER YEAR 1995 HIGHEST 13.63 MAR 24, 1995 LOWEST 20.18 SEP 28, 1995



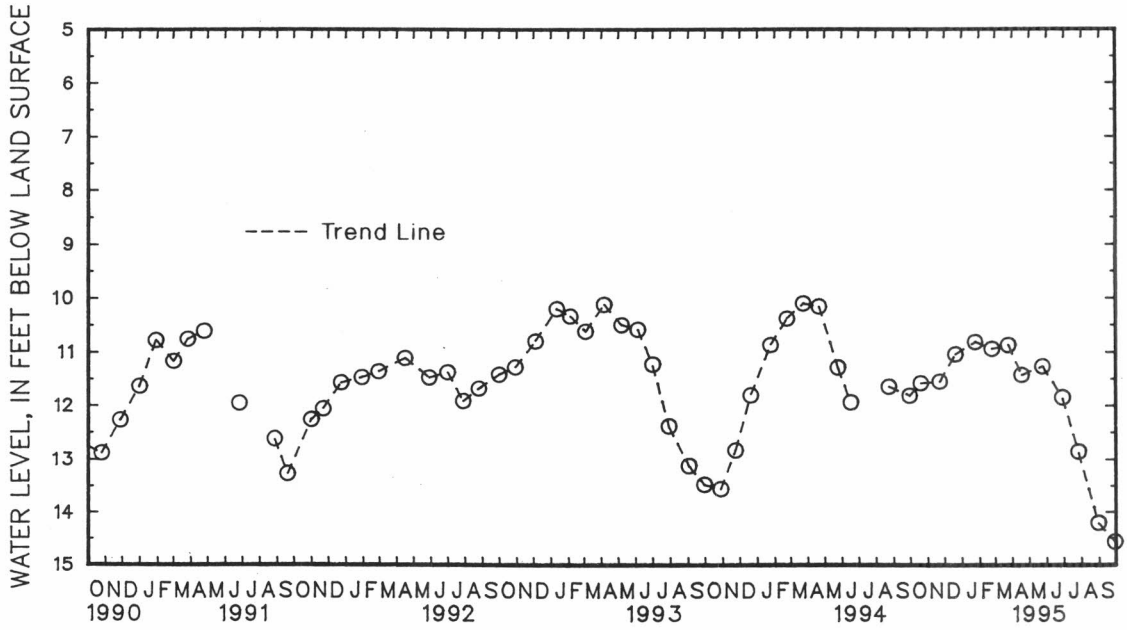
5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Ae 24. SITE ID.--382621075174202. PERMIT NUMBER.--WO-73-0512.
LOCATION.--Lat 38°26'21", long 75°17'42", Hydrologic Unit 02060009, 2.75 mi north of Whaleysville.
Owner: U.S. Geological Survey.
AQUIFER.--Ocean City aquifer of Miocene age. Aquifer code: 122OCNC.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 200 ft; casing diameter 4 in., to 190 ft; screen diameter 2 in. from 190 to 200 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 40 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 4 in. coupling, 4.4 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.49 ft below land surface, May 31, 1978; lowest measured, 15.06 ft below land surface, Nov. 24, 1987.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	11.60	DEC 20	11.05	FEB 23	10.95	APR 17	11.45	JUN 28	11.88	AUG 30	14.22
NOV 22	11.57	JAN 24	10.82	MAR 24	10.88	MAY 24	11.29	JUL 26	12.89	SEP 28	14.57

WATER YEAR 1995 HIGHEST 10.82 JAN 24, 1995 LOWEST 14.57 SEP 28, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

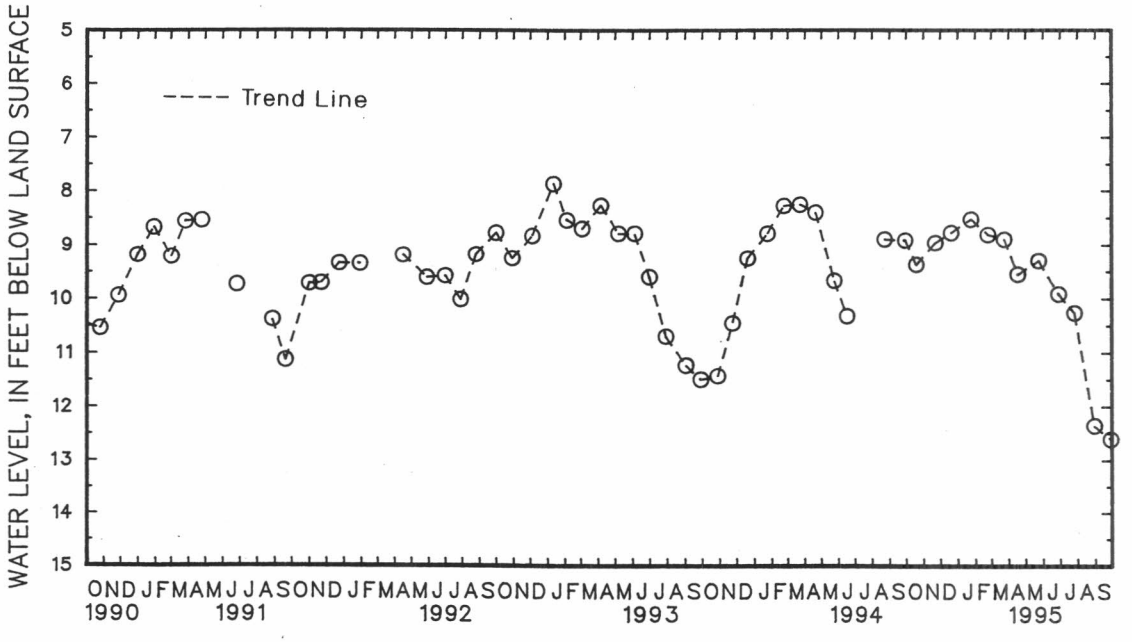
WORCESTER COUNTY--Continued

WELL NUMBER.--WO Ae 25. SITE ID.--382621075174203. PERMIT NUMBER.--WO-73-0514.
LOCATION.--Lat 38°26'21", long 75°17'42", Hydrologic Unit 02060009, 2.75 mi north of Whaleysville.
Owner: U.S. Geological Survey.
AQUIFER.--Pocomoke aquifer of Upper Miocene-Pliocene age. Aquifer code: 122PCMK.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 118 ft; casing diameter 4 in., to 108 ft; screened diameter 2 in. from 108 to 118 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 40 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 4 in. coupling, 3.6 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.79 ft below land surface, Nov. 20, 1975; lowest measured, 12.96 ft below land surface, Oct. 1 and 29, 1987.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	9.39	DEC 20	8.78	FEB 23	8.82	APR 17	9.58	JUN 28	9.95	AUG 30	12.40
NOV 22	8.97	JAN 24	8.53	MAR 24	8.91	MAY 24	9.32	JUL 26	10.30	SEP 28	12.65

WATER YEAR 1995 HIGHEST 8.53 JAN 24, 1995 LOWEST 12.65 SEP 28, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

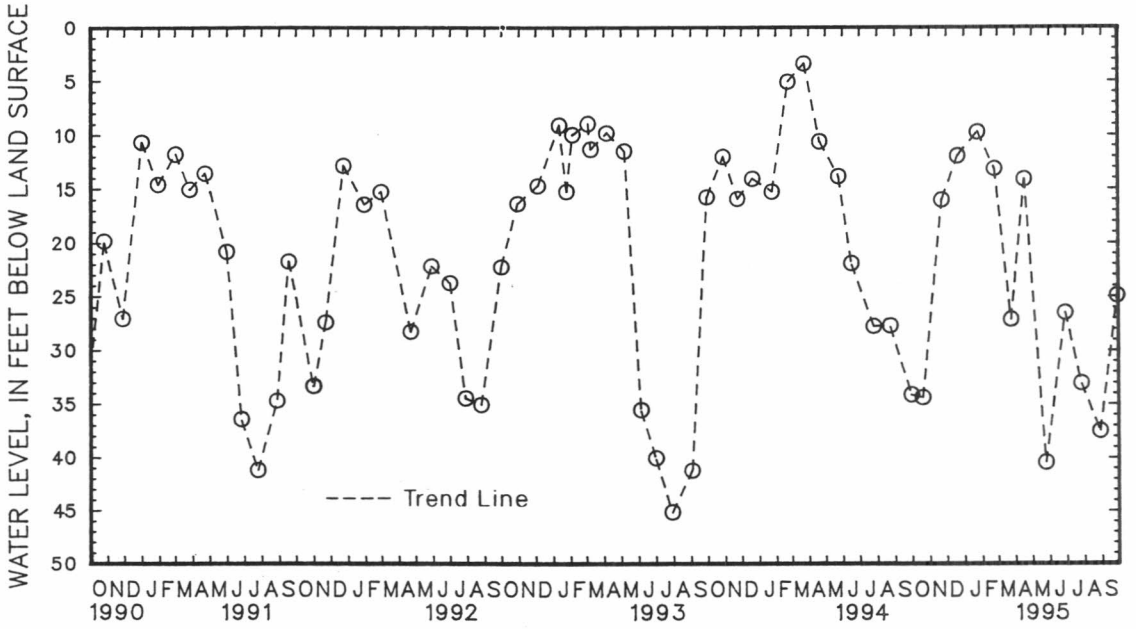
WORCESTER COUNTY--Continued

WELL NUMBER.--WO Ah 6. SITE ID.--382632075031801. PERMIT NUMBER.--WO-70-0009.
LOCATION.--Lat 38°26'32", long 75°03'18", Hydrologic Unit 02060010, at east end of 137th St., Ocean City.
Owner: U.S. Geological Survey.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 357 ft; casing diameter 4 in., to 347 ft; screen diameter 4 in. from 347 to 357 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
Equipped with digital water-level recorder--15-minute recording interval, March 1985 to February 1994.
DATUM.--Elevation of land surface is 6.35 ft above National Geodetic Vertical Datum of 1929.
Measuring point: Top of shelter floor, 3.27 ft above land surface, when shelter removed, measuring point top of metal sleeve, 3.27 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
Recorder removed on February 1, 1994, due to poor water level response.
PERIOD OF RECORD.--September 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.48 ft above land surface, March 27, 1973; lowest measured, 52.46 ft below land surface, July 24, 1989.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	34.59	DEC 20	11.95	FEB 23	13.20	APR 17	14.13	JUN 28	26.54	AUG 28	37.67
NOV 22	16.05	JAN 24	9.75	MAR 24	27.35	MAY 24	40.63	JUL 26	33.21	SEP 28	24.94

WATER YEAR 1995 HIGHEST 9.75 JAN 24, 1995 LOWEST 40.63 MAY 24, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

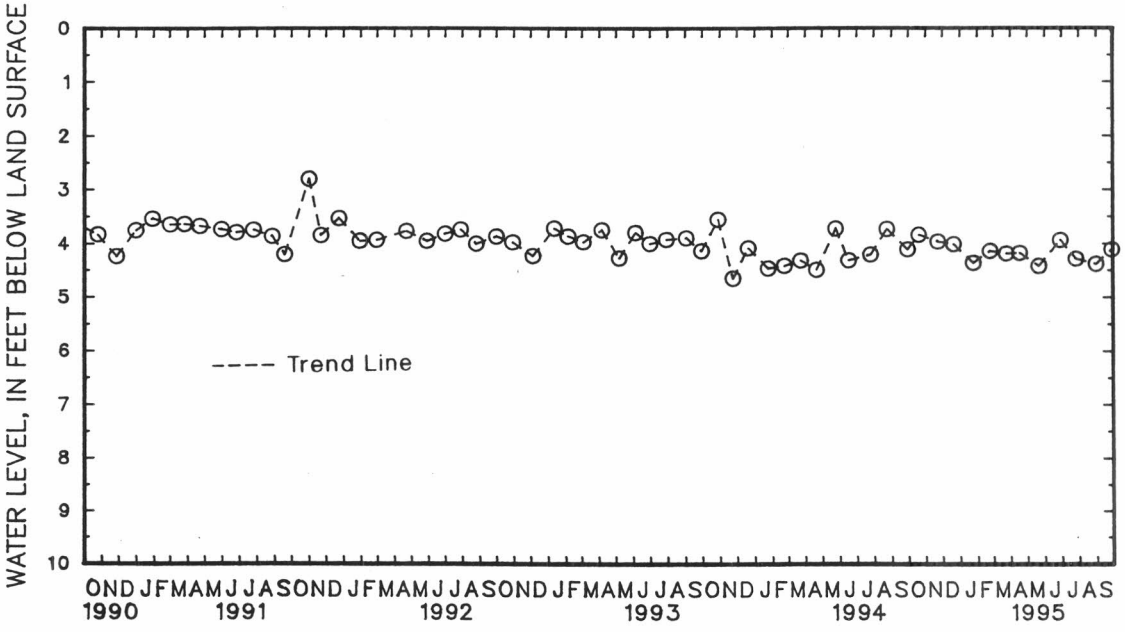
WORCESTER COUNTY--Continued

WELL NUMBER.--WO Ah 35. SITE ID.--382635075030601. PERMIT NUMBER.--WO-73-0516.
LOCATION.--Lat 38°26'35", long 75°03'06", Hydrologic Unit 02060010, at east end of 137th St., Ocean City.
Owner: U.S. Geological Survey.
AQUIFER.--St. Marys Formation of Middle Miocene age. Aquifer code: 122SMRS.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 726 ft; casing diameter 4 in., to 716 ft; screen diameter 2 in. from 716 to 726 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 13.99 ft above National Geodetic Vertical Datum of 1929.
Measuring point: Top of 4 in. coupling, 3.7 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels may be affected by nearby pumping.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.90 ft below land surface, March 10, 1976; lowest measured, 10.26 ft below land surface, Oct. 28, 1975.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	3.86	DEC 20	4.04	FEB 23	4.17	APR 17	4.21	JUN 28	3.96	AUG 31	4.42
NOV 22	3.99	JAN 24	4.40	MAR 24	4.22	MAY 21	4.46	JUL 26	4.32	SEP 28	4.14

WATER YEAR 1995 HIGHEST 3.86 OCT 19, 1994 LOWEST 4.46 MAY 21, 1995



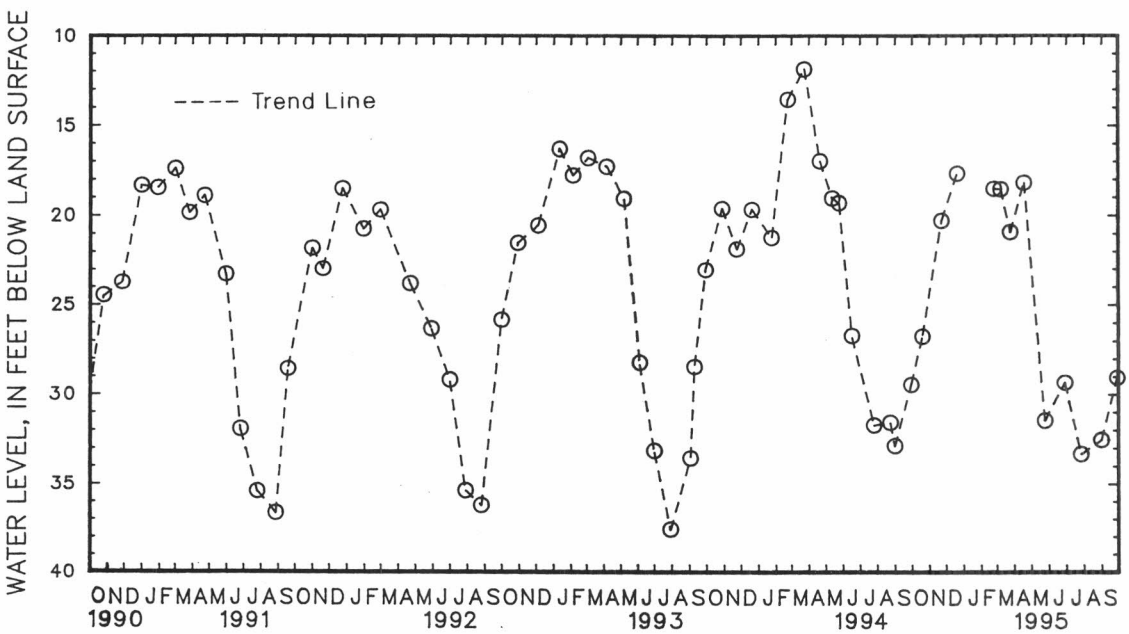
5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Ah 36. SITE ID.--382635075030602. PERMIT NUMBER.--WO-73-0518.
LOCATION.--Lat 38°26'35", long 75°03'06", Hydrologic Unit 02060010, at east end of 137th St., Ocean City.
Owner: U.S. Geological Survey.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 430 ft; casing diameter 4 in., to 420 ft; screen diameter 2 in. from 420 to 430 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 14.32 ft above National Geodetic Vertical Datum of 1929.
Measuring point: Top of 4 in. coupling, 1.08 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.61 ft below land surface, April 18, 1984; lowest measured, 38.75 ft below land surface, Aug. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	26.77	DEC 20	17.68	MAR 7	18.58	APR 17	18.21	JUN 28	29.42	AUG 31	32.64
NOV 22	20.30	FEB 23	18.55	24	21.00	MAY 24	31.59	JUL 26	33.45	SEP 28	29.09

WATER YEAR 1995 HIGHEST 17.68 DEC 20, 1994 LOWEST 33.45 JUL 26, 1995



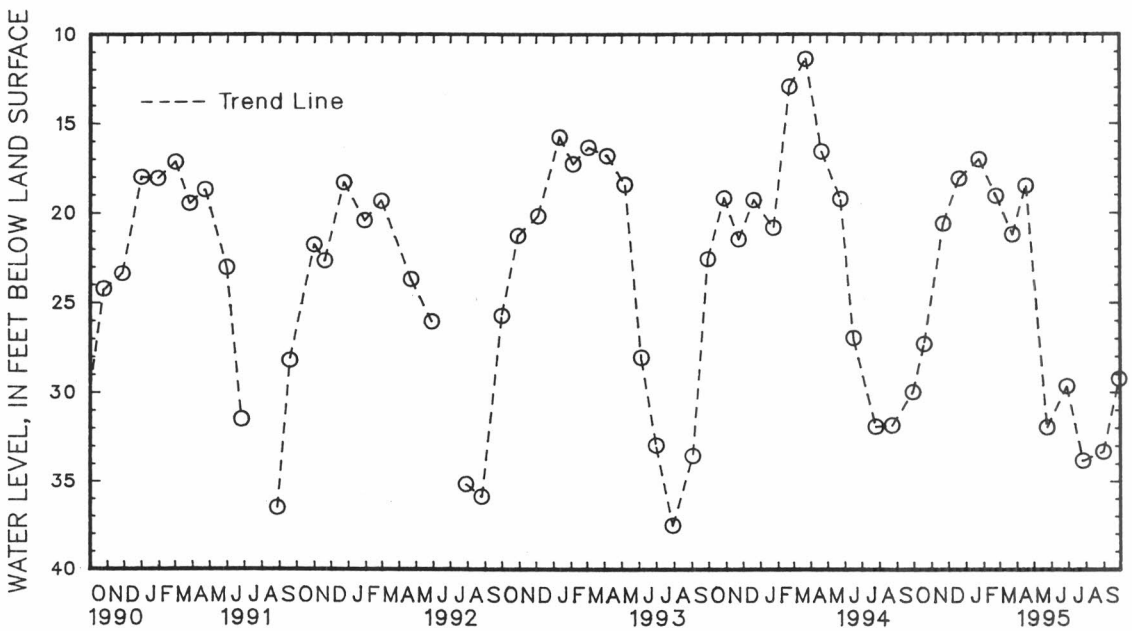
5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Ah 37. SITE ID.--382635075030603. PERMIT NUMBER.--WO-73-0517.
LOCATION.--Lat 38°26'35", long 75°03'06", Hydrologic Unit 02060010, at east end of 137th St., Ocean City.
Owner: U.S. Geological Survey.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 478 ft; casing diameter 4 in., to 468 ft; screen diameter 2 in. from 468 to 478 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 13.89 ft above National Geodetic Vertical Datum of 1929.
Measuring point: Top of 4 in. casing, 2.75 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.58 ft below land surface, Feb. 10, 1977; lowest measured, 41.42 ft below land surface, Aug. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	27.33	DEC 20	18.10	FEB 23	19.11	APR 17	18.53	JUN 28	29.74	AUG 31	33.43
NOV 22	20.61	JAN 24	17.03	MAR 24	21.29	MAY 24	32.09	JUL 26	33.95	SEP 28	29.29

WATER YEAR 1995 HIGHEST 17.03 JAN 24, 1995 LOWEST 33.95 JUL 26, 1995



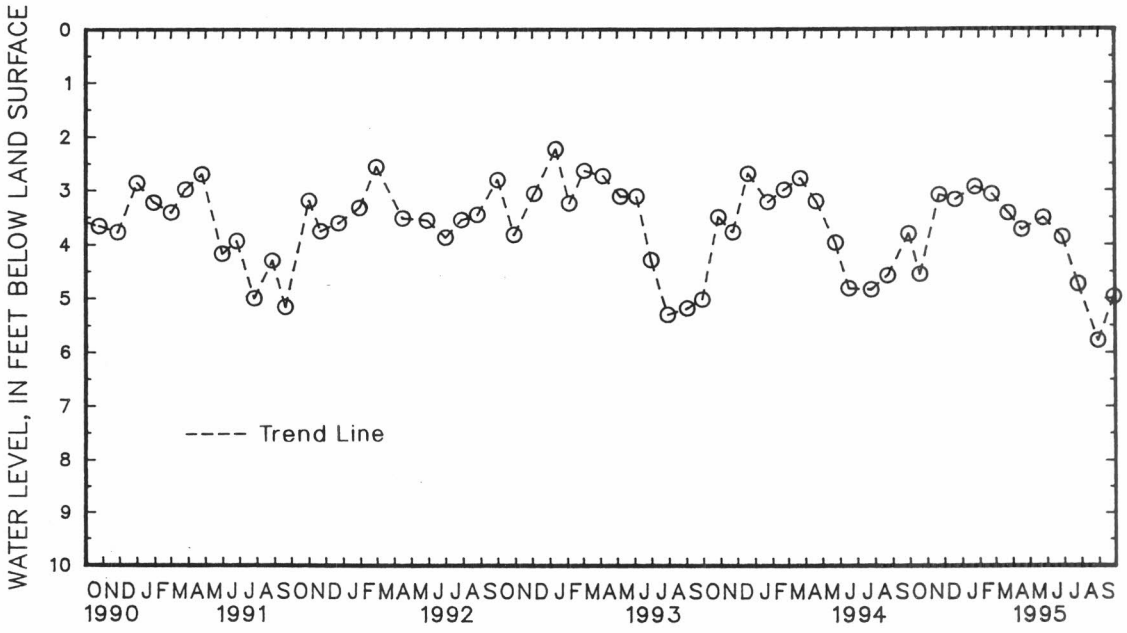
5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bg 1. SITE ID.--382022075072401.
LOCATION.--Lat 38°20'22", long 75°07'24", Hydrologic Unit 02060010, 0.4 mi east of Herring Creek on U.S. Rt. 50.
Owner: MD State Highway Administration.
AQUIFER.--Sinepuxent Formation of Pleistocene age. Aquifer code: 112SNPX.
WELL CHARACTERISTICS.--Driven, water-table well, depth 14 ft; casing diameter 1.25 in., to 14 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 10 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of casing, 0.25 ft above land surface.
REMARKS.--Maryland Water-Level Network observation well.
PERIOD OF RECORD.--August 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.41 ft below land surface, March 8, 1962; lowest measured, 8.61 ft below land surface, May 14, 1986.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	4.58	DEC 20	3.18	FEB 23	3.08	APR 17	3.75	JUN 28	3.89	AUG 30	5.83
NOV 22	3.09	JAN 24	2.94	MAR 24	3.44	MAY 25	3.53	JUL 26	4.77	SEP 28	4.99

WATER YEAR 1995 HIGHEST 2.94 JAN 24, 1995 LOWEST 5.83 AUG 30, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

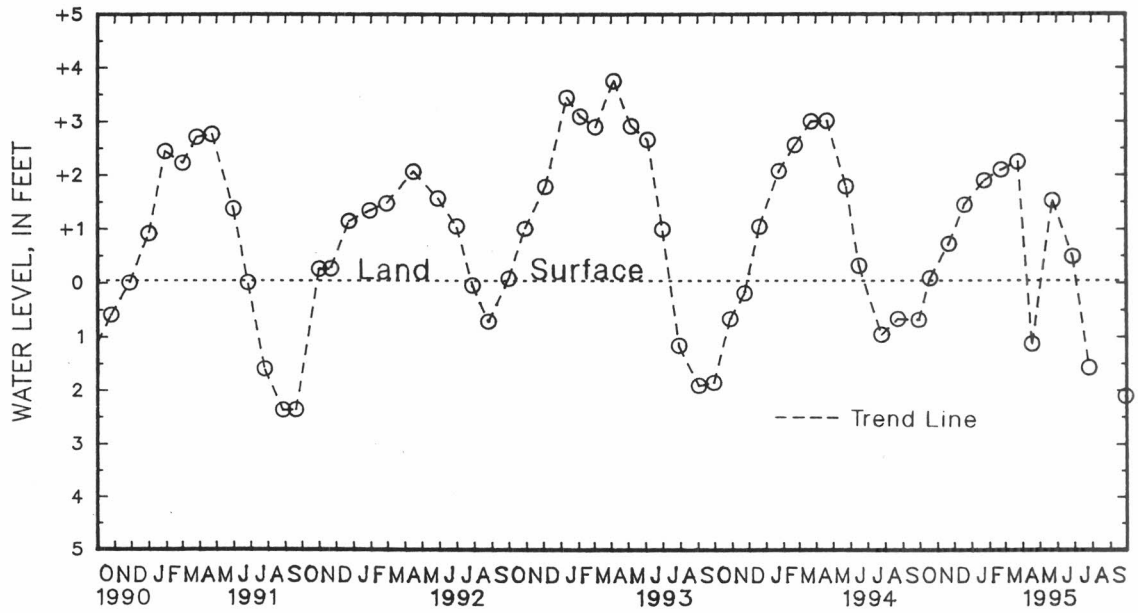
WORCESTER COUNTY--Continued

WELL NUMBER.--WO Bg 15. SITE ID.--382359075094501. PERMIT NUMBER.--WO-68-0066.
LOCATION.--Lat 38°23'59", long 75°09'45", Hydrologic Unit 02060010, south side of Beauchamp Rd. at Ocean Pines.
Owner: Ocean Pines.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 318 ft; casing diameter 6 in., to 288 ft; screen diameter 6 in. from 288 to 318 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 7 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 6 in. casing, 5.94 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels may be affected by nearby pumping.
PERIOD OF RECORD.--September 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.13 ft above land surface, Feb. 29, 1972; lowest measured, 3.00 ft below land surface, Sept. 5, 1987.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
(READINGS ABOVE LAND SURFACE INDICATED BY "+")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	+.06	DEC 20	+1.44	FEB 23	+2.09	APR 17	1.18	JUN 28	+.46	SEP 28	2.15
NOV 22	+.71	JAN 24	+1.89	MAR 24	+2.24	MAY 24	+1.52	JUL 26	1.62		

WATER YEAR 1995 HIGHEST +2.24 MAR 24, 1995 LOWEST 2.15 SEP 28, 1995



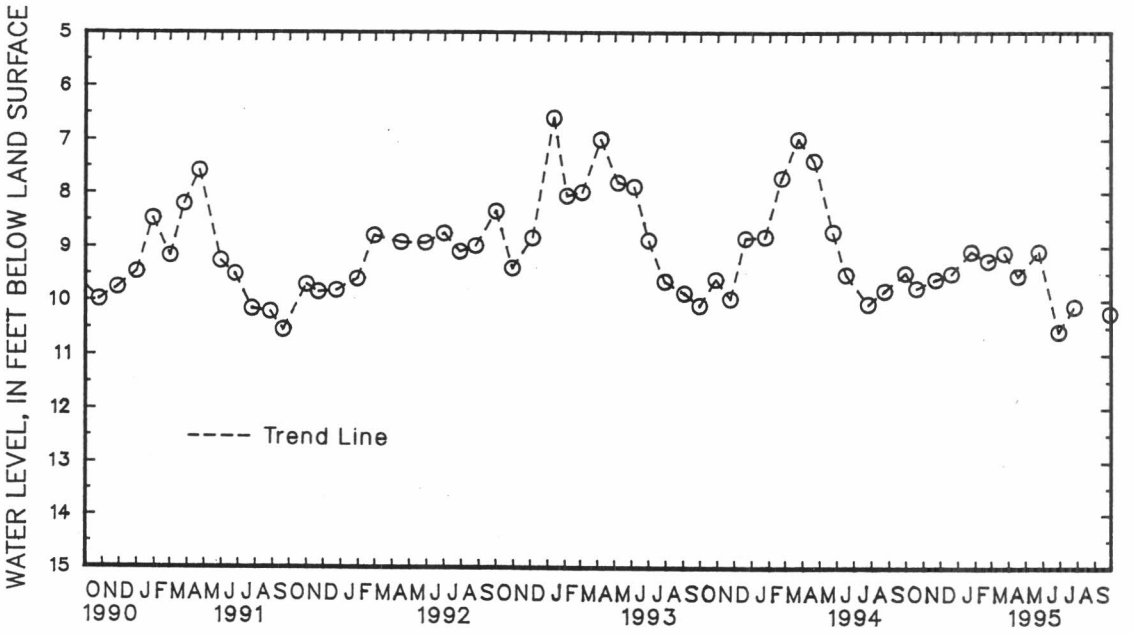
5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bg 45. SITE ID.--382358075094501. PERMIT NUMBER.--WO-68-0066.
LOCATION.--Lat 38°23'58", long 75°09'45", Hydrologic Unit 02060010, south side of Beauchamp Rd. at Ocean Pines.
Owner: Ocean Pines.
AQUIFER.--Beaverdam Sand of Pliocene age. Aquifer code: 121BVDM.
WELL CHARACTERISTICS.--Drilled, observation well, depth 77 ft; casing diameter 2 in., to 56 ft; screen diameter 3 in. from 56 to 77 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 10 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 2 in. casing, 1.6 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well.
PERIOD OF RECORD.--October 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.22 ft below land surface, Jan. 8, 1971; lowest measured, 10.62 ft below land surface, June 28, 1995.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	9.80	DEC 20	9.52	FEB 23	9.28	APR 17	9.57	JUN 28	10.62	SEP 28	10.27
NOV 22	9.63	JAN 24	9.10	MAR 24	9.13	MAY 24	9.10	JUL 26	10.14		

WATER YEAR 1995 HIGHEST 9.10 JAN 24, 1995 MAY 24, 1995 LOWEST 10.62 JUN 28, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

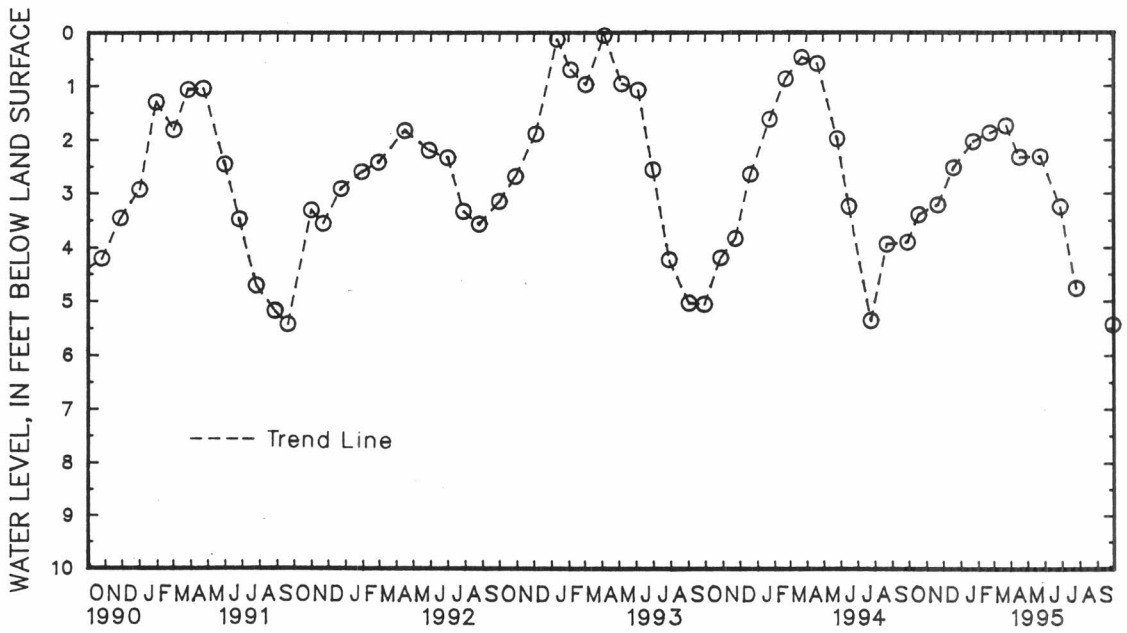
WORCESTER COUNTY--Continued

WELL NUMBER.--WO Bg 46. SITE ID.--382358075094502 PERMIT NUMBER.--WO-68-0066
LOCATION.--Lat 38°23'58", long 75°09'45", Hydrologic Unit 02060010, south side of Beauchamp Rd. at Ocean Pines.
Owner: Ocean Pines
AQUIFER.--Pocomoke aquifer of Upper Miocene-Pliocene age. Aquifer code: 122PCMK.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 199.5 ft; casing diameter 6 in., to 53.6 ft; casing diameter 4 in. from 53.6 to 164.2 ft and from 194.5 to 199.5 ft; screen diameter 6 in. from 164.2 to 194.55 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 10 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 2 in. coupling, 2.5 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels maybe affected by nearby pumping.
PERIOD OF RECORD.--October 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.22 ft above land surface, April 27, 1983; lowest measured, 5.74 ft below land surface, Aug. 26, 1987.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	3.40	DEC 20	2.52	FEB 23	1.87	APR 17	2.33	JUN 28	3.27	SEP 28	5.48
NOV 22	3.22	JAN 24	2.03	MAR 24	1.74	MAY 24	2.32	JUL 26	4.80		

WATER YEAR 1995 HIGHEST 1.74 MAR 24, 1995 LOWEST 5.48 SEP 28, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bg 47. SITE ID.--382325075063301. PERMIT NUMBER.--WO-73-0521.
LOCATION.--Lat 38°23'25", long 75°06'33", Hydrologic Unit 02060010, at intersection of MD Rt. 90 and Isle of Wight Rd., Isle of Wight.
Owner: U.S. Geological Survey.
AQUIFER.--Ocean City aquifer of Upper Miocene age. Aquifer code: 122OCNC.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 268 ft; casing diameter 4 in., to 258 ft; screen diameter 4 in. from 258 to 268 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel. Equipped with digital water-level recorder--60-minute recording interval from July 1985 to current year.
DATUM.--Elevation of land surface is 5 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring Point: Top of recorder shelf, 4.07 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.67 ft below land surface, March 13 and 14, 1992; lowest measured, 12.72 ft below land surface, Aug. 26, 1987.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.40	7.60	6.06	5.22	5.77	4.99	4.85	4.02	4.55	3.92	4.35	3.52
2	8.06	7.26	6.44	5.61	5.68	4.81	5.07	4.26	4.56	3.83	4.13	3.52
3	7.83	7.19	6.79	6.09	5.80	5.06	5.31	4.67	4.31	3.67	4.14	3.55
4	7.85	7.11	6.53	5.66	5.69	4.76	5.32	4.68	3.90	3.15	4.15	3.56
5	7.76	7.01	6.26	5.42	5.30	4.38	5.44	4.93	5.12	3.60	4.07	3.54
6	7.70	6.93	6.24	5.43	5.27	4.58	5.49	5.00	5.22	4.94	4.10	3.40
7	7.72	6.96	6.40	5.73	5.30	4.62	5.13	4.67	5.17	4.65	4.20	3.69
8	7.68	6.87	6.54	5.91	5.46	4.74	4.97	4.56	4.74	3.97	4.04	3.63
9	7.52	6.74	6.50	5.75	5.36	4.77	4.93	4.42	4.80	4.04	4.62	3.88
10	7.45	6.65	5.98	5.09	5.16	4.27	4.92	4.42	4.84	4.45	4.57	4.09
11	7.29	6.48	6.04	5.35	5.11	4.12	4.92	4.26	4.77	3.93	4.56	4.03
12	7.15	6.51	6.04	5.47	5.17	4.71	4.69	4.04	4.68	3.95	4.40	3.85
13	7.06	6.45	5.98	5.46	5.20	4.57	4.84	4.24	4.91	4.40	4.37	3.81
14	6.96	6.28	6.03	5.29	4.94	4.07	4.98	4.31	5.00	4.50	4.51	3.89
15	6.81	5.73	5.79	5.22	4.56	3.90	4.77	3.95	4.88	3.84	4.30	3.70
16	6.57	5.92	5.92	5.05	4.63	3.96	4.49	3.81	4.51	3.87	4.25	3.48
17	6.59	5.86	5.37	4.39	4.69	3.95	4.65	3.93	4.61	4.00	4.06	3.41
18	6.34	5.72	5.05	4.29	4.67	3.92	4.50	3.68	4.50	3.95	4.16	3.47
19	6.31	5.69	5.62	4.79	4.74	4.10	4.18	3.44	4.43	3.91	4.26	3.51
20	6.37	5.72	5.93	5.26	4.93	4.27	3.90	3.08	4.26	3.73	4.22	3.54
21	6.33	5.65	5.75	4.89	5.19	4.60	4.40	3.68	3.96	3.39	4.28	3.51
22	6.34	5.71	5.69	4.86	5.24	4.60	4.59	3.91	4.15	3.33	4.39	3.60
23	6.32	5.62	6.16	5.64	4.73	3.73	4.73	4.15	4.28	3.55	4.29	3.75
24	6.41	5.75	6.14	5.43	3.73	2.86	4.57	4.03	4.63	3.58	4.20	3.63
25	6.45	5.81	5.85	5.30	4.17	3.20	4.54	3.93	4.74	4.12	4.28	3.58
26	6.36	5.78	5.86	5.34	4.60	3.79	4.66	3.94	4.86	4.08	4.33	3.69
27	6.40	5.77	5.71	4.80	4.76	4.02	4.69	4.04	4.54	3.80	4.43	3.79
28	6.40	5.85	5.18	4.53	4.84	4.09	4.79	4.04	4.29	3.60	4.35	3.76
29	6.54	6.04	5.79	4.90	4.99	4.28	4.63	3.76	---	---	4.33	3.75
30	6.55	5.98	5.90	5.27	5.14	4.47	4.38	3.55	---	---	4.32	3.71
31	6.43	5.62	---	---	5.20	4.25	4.29	3.60	---	---	4.37	3.74
MONTH	8.40	5.62	6.79	4.29	5.80	2.86	5.49	3.08	5.22	3.15	4.62	3.40

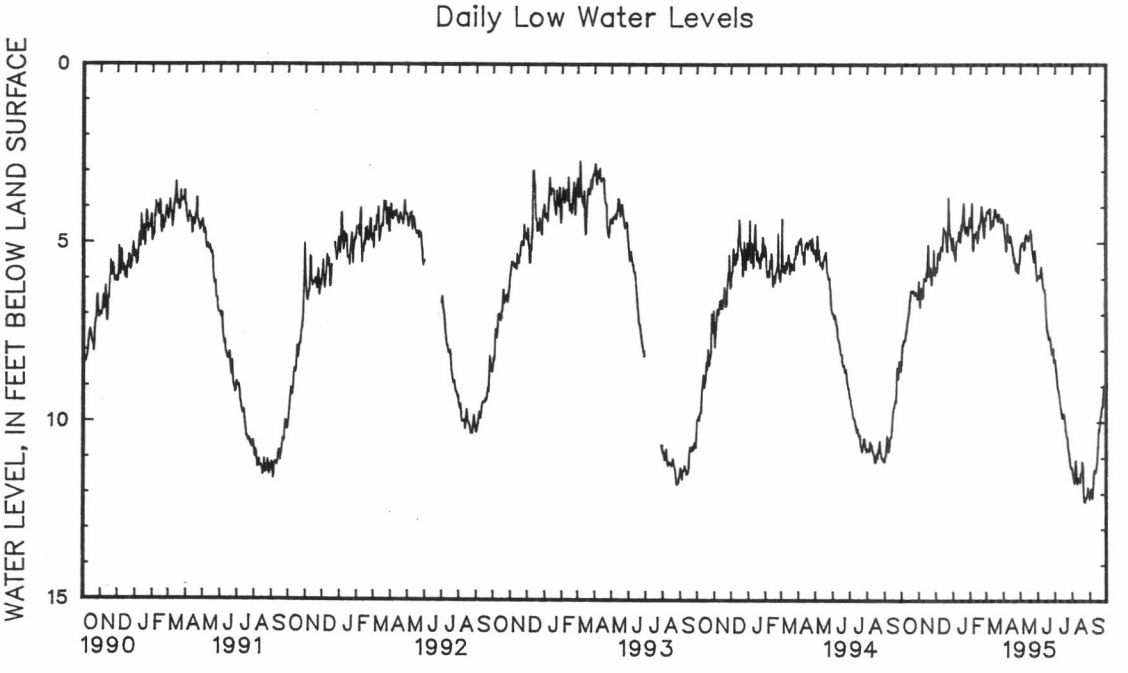
GROUND-WATER LEVELS

MARYLAND--Continued

WORCESTER COUNTY--Continued

WO Bg 47--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.43	3.79	5.20	4.43	6.00	5.34	8.26	7.67	11.32	10.72	12.16	11.41
2	4.57	3.81	5.04	4.35	5.90	5.33	8.41	7.68	11.45	10.85	12.01	11.27
3	4.78	4.01	5.08	4.31	5.93	5.27	8.57	7.82	11.58	10.96	11.87	11.12
4	4.94	4.16	5.08	4.51	5.97	5.33	8.73	8.08	11.60	10.97	11.99	11.27
5	5.13	4.42	4.99	4.45	5.94	5.41	8.88	8.26	11.73	10.90	12.09	11.34
6	5.22	4.75	5.06	4.42	5.88	5.35	9.06	8.49	11.45	10.51	12.14	11.30
7	4.96	4.31	5.08	4.48	5.66	5.05	9.13	8.47	11.07	10.18	11.88	11.08
8	4.48	4.03	5.20	4.63	5.86	5.17	9.16	8.45	11.27	10.49	11.71	10.90
9	4.72	3.98	5.16	4.30	5.98	5.34	9.26	8.55	11.60	10.83	11.38	10.59
10	4.83	4.31	4.87	4.28	6.14	5.38	9.44	8.68	11.72	10.90	11.34	10.64
11	4.97	4.44	4.79	4.00	6.26	5.45	9.60	8.76	11.62	10.85	11.41	10.75
12	4.99	4.37	4.77	4.07	6.34	5.46	9.67	8.83	11.57	10.85	11.40	10.76
13	4.81	4.20	4.87	4.07	6.30	5.40	9.76	8.88	11.63	10.88	11.30	10.66
14	4.86	4.22	4.85	4.01	6.42	5.43	9.89	9.02	11.65	10.99	11.17	10.54
15	4.97	4.25	4.94	4.08	6.88	5.68	9.90	9.15	11.69	11.03	10.92	10.22
16	5.09	4.32	4.95	4.08	7.17	6.16	9.82	9.16	11.45	10.82	10.69	9.93
17	5.13	4.37	4.83	4.08	7.33	6.55	9.78	9.12	11.50	10.91	10.19	9.67
18	5.33	4.40	4.76	4.03	7.44	6.77	9.84	9.22	11.44	10.80	10.26	9.73
19	5.29	4.58	4.64	3.98	7.53	6.94	10.02	9.45	11.12	10.47	10.13	9.44
20	5.55	4.60	4.75	3.91	7.69	7.11	10.23	9.65	11.30	10.70	9.86	9.15
21	5.42	4.88	5.02	4.14	7.65	6.92	10.31	9.68	11.85	11.27	9.82	9.15
22	5.54	4.79	5.26	4.53	7.64	7.02	10.42	9.76	12.22	11.55	9.66	8.96
23	5.77	5.08	5.34	4.82	7.70	7.04	10.44	9.79	12.11	11.45	9.60	8.99
24	5.77	4.91	5.38	4.86	7.81	7.14	10.64	9.97	12.24	11.63	9.54	8.71
25	5.58	5.00	5.52	4.83	8.00	7.32	10.78	10.09	12.14	11.47	9.24	8.52
26	5.79	5.24	5.23	4.47	8.11	7.42	10.88	10.23	12.13	11.52	9.05	8.37
27	5.83	5.13	5.22	4.60	8.00	7.11	11.02	10.34	12.11	11.49	8.97	8.28
28	5.67	4.98	5.43	4.78	7.96	7.15	11.11	10.40	12.00	11.21	9.15	8.56
29	5.59	4.89	5.70	4.92	8.32	7.40	11.24	10.46	11.83	11.18	9.04	8.26
30	5.50	4.64	6.06	5.19	8.34	7.67	11.30	10.67	11.95	11.30	8.78	7.97
31	---	---	6.03	5.34	---	---	11.27	10.71	12.07	11.44	---	---
MONTH	5.83	3.79	6.06	3.91	8.34	5.05	11.30	7.67	12.24	10.18	12.16	7.97
YEAR	12.24	2.86										



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bg 48. SITE ID.--382325075063302. PERMIT NUMBER.--WO-73-0522.
LOCATION.--Lat 38°23'25", long 75°06'33", Hydrologic Unit 02060010, at intersection of MD Rt. 90 and Isle of Wight Rd., Isle of Wight.
Owner: U.S. Geological Survey.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 420 ft; casing diameter 4 in., to 410 ft; screen diameter 4 in. from 410 to 420 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
Equipped with digital water-level recorder--60-minute recording interval from July 1985 to current year.
DATUM.--Elevation of land surface is 5 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of recorder shelf, 3.87 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
Missing data due to recorder malfunctions.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.59 ft below land surface, March 13 and 14, 1993; lowest measured, 13.68 ft below land surface, Sept. 6, 1995.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.36	8.63	6.05	5.21	5.97	5.31	4.84	4.13	4.43	3.90	4.23	3.54
2	8.99	8.27	6.43	5.60	5.87	5.14	5.02	4.33	4.45	3.82	4.05	3.54
3	8.73	8.20	6.78	6.08	5.95	5.35	5.32	4.74	4.25	3.66	4.07	3.57
4	8.71	8.09	6.52	5.65	5.85	5.07	5.32	4.78	3.79	3.15	4.07	3.58
5	8.61	7.97	6.25	5.41	5.48	4.70	5.51	5.00	4.96	3.55	4.00	3.52
6	8.53	7.88	6.23	5.42	5.45	4.84	5.49	5.06	5.09	4.84	4.01	3.42
7	8.51	7.87	6.39	5.72	5.46	4.86	5.11	4.71	5.04	4.57	4.15	3.67
8	8.43	7.39	6.53	5.90	5.62	5.01	4.98	4.64	4.60	3.89	4.01	3.66
9	8.25	7.49	6.49	5.74	5.53	5.00	4.94	4.51	4.62	3.96	4.55	3.85
10	8.14	6.98	5.97	5.08	5.31	4.53	4.93	4.52	4.65	4.33	4.51	4.12
11	8.00	6.98	6.03	5.34	5.25	4.34	4.93	4.38	4.59	3.85	4.49	4.04
12	7.85	7.30	6.03	5.46	5.33	4.91	4.70	4.14	4.54	3.87	4.34	3.87
13	7.75	7.22	5.97	5.45	5.35	4.78	4.84	4.32	4.72	4.33	4.29	3.81
14	7.63	7.03	6.01	5.27	5.09	4.32	4.95	4.40	4.82	4.42	4.39	3.90
15	7.46	6.49	5.77	5.20	4.72	4.14	4.74	4.03	4.72	3.77	4.24	3.72
16	7.19	6.64	5.90	5.03	4.77	4.20	4.46	3.87	4.35	3.80	4.18	3.51
17	7.20	6.56	5.35	4.37	4.81	4.17	4.59	4.01	4.45	3.95	3.98	3.44
18	6.97	5.96	5.03	4.27	4.77	4.13	4.50	3.77	4.38	3.90	4.08	3.51
19	6.91	5.69	5.60	4.77	4.84	4.30	4.19	3.51	4.30	3.86	4.18	3.54
20	6.37	5.72	5.91	5.24	5.03	4.50	3.87	3.16	4.13	3.63	4.14	3.56
21	6.33	5.65	5.73	4.87	5.28	4.78	4.39	3.71	3.85	3.34	4.22	3.52
22	6.34	5.71	5.95	4.87	5.31	4.70	4.57	3.97	4.05	3.33	4.33	3.63
23	6.32	5.62	6.39	5.94	4.80	3.86	4.69	4.22	4.19	3.54	4.25	3.79
24	6.41	5.75	6.41	5.79	3.86	3.06	4.53	4.08	4.54	3.57	4.18	3.68
25	6.45	5.81	6.08	5.63	4.27	3.37	4.50	3.99	4.69	4.11	4.23	3.64
26	6.36	5.78	6.08	5.66	4.67	3.94	4.60	3.97	4.74	4.08	4.29	3.73
27	6.40	5.77	5.93	5.13	4.80	4.19	4.62	4.08	4.45	3.78	4.35	3.83
28	6.39	5.84	5.41	4.83	4.89	4.24	4.70	4.07	4.20	3.60	4.31	3.81
29	6.53	6.03	5.98	5.17	5.06	4.42	4.54	3.82	---	---	4.31	3.82
30	6.54	5.97	6.07	5.56	5.17	4.62	4.31	3.58	---	---	4.30	3.79
31	6.42	5.61	---	---	5.22	4.42	4.21	3.62	---	---	4.37	3.84
MONTH	9.36	5.61	6.78	4.27	5.97	3.06	5.51	3.16	5.09	3.15	4.55	3.42

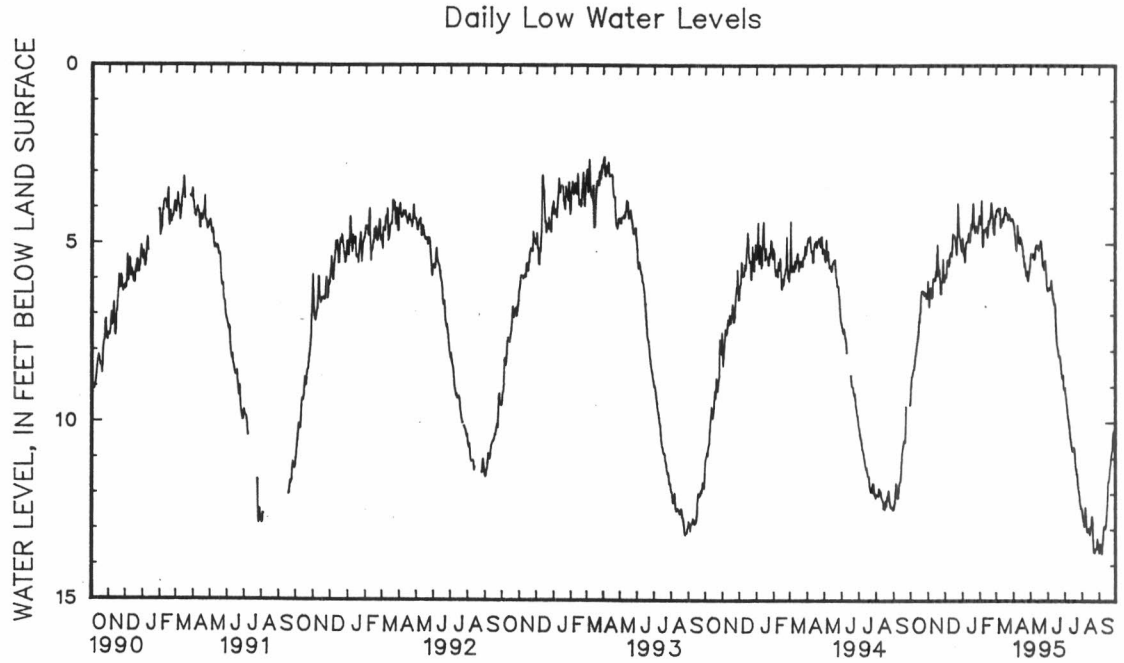
GROUND-WATER LEVELS

MARYLAND--Continued

WORCESTER COUNTY--Continued

WO Bg 48--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.42	3.88	5.41	4.76	6.33	5.75	9.04	8.52	12.46	11.94	13.65	13.02
2	4.52	3.89	5.28	4.71	6.25	5.78	9.19	8.54	12.62	12.09	13.52	12.91
3	4.73	4.07	5.37	4.68	6.24	5.73	9.34	8.70	12.76	12.24	13.40	12.78
4	4.90	4.21	5.38	4.89	6.29	5.75	9.51	8.96	12.79	12.25	13.52	12.91
5	5.12	4.49	5.28	4.83	6.26	5.81	9.65	9.13	12.92	12.23	13.61	12.97
6	5.20	4.80	5.33	4.80	6.21	5.77	9.83	9.33	12.71	11.89	13.68	12.96
7	4.95	4.38	5.31	4.84	6.02	5.52	9.92	9.36	12.38	11.64	13.43	12.77
8	4.49	4.11	5.44	4.93	6.27	5.63	9.97	9.37	12.62	11.96	13.27	12.60
9	4.67	4.02	5.40	4.67	6.40	5.86	10.10	9.46	12.95	12.28	12.99	12.27
10	4.85	4.35	5.12	4.63	6.53	5.88	10.29	9.62	13.08	12.41	12.91	12.32
11	4.98	4.53	5.06	4.38	6.61	5.92	10.45	9.76	13.03	12.39	12.98	12.43
12	5.00	4.47	5.03	4.45	6.71	5.95	10.56	9.86	12.98	12.39	12.98	12.45
13	4.82	4.33	5.13	4.45	6.70	5.93	10.67	9.91	13.05	12.43	12.90	12.34
14	4.88	4.35	5.05	4.33	6.86	5.98	10.79	10.04	13.09	12.55	12.73	12.16
15	4.96	4.36	5.15	4.43	7.31	6.23	10.81	10.20	13.14	12.60	12.44	11.83
16	5.06	4.43	5.19	4.44	7.62	6.74	10.74	10.21	12.93	12.38	12.14	11.48
17	5.15	4.46	5.07	4.44	7.80	7.11	10.70	10.17	12.95	12.45	11.65	11.14
18	5.35	4.53	5.02	4.40	7.91	7.32	10.80	10.26	12.92	12.35	11.67	11.21
19	5.34	4.71	4.92	4.35	7.99	7.48	11.00	10.49	12.64	12.05	11.57	10.96
20	5.63	4.77	4.99	4.29	8.16	7.66	11.23	10.74	12.81	12.23	11.30	10.67
21	5.55	5.07	5.22	4.47	8.14	7.55	11.32	10.80	13.27	12.78	11.19	10.63
22	5.67	5.01	5.53	4.82	8.18	7.67	11.45	10.89	13.63	13.06	11.02	10.37
23	5.89	5.30	5.63	5.17	8.27	7.74	11.46	10.92	13.53	12.98	10.89	10.36
24	5.89	5.16	5.60	5.15	8.41	7.86	11.67	11.11	13.64	13.13	10.81	10.05
25	5.78	5.28	5.72	5.14	8.62	8.06	11.81	11.26	13.58	13.01	10.49	9.82
26	6.01	5.56	5.49	4.83	8.77	8.19	11.93	11.40	13.56	13.03	10.31	9.74
27	6.05	5.45	5.47	4.93	8.71	7.94	12.07	11.51	13.53	13.01	10.24	9.66
28	5.87	5.29	5.63	5.10	8.69	7.99	12.18	11.59	13.43	12.75	10.38	9.82
29	5.78	5.18	5.85	5.21	9.06	8.24	12.32	11.66	13.26	12.74	10.23	9.52
30	5.67	4.92	6.23	5.47	9.10	8.51	12.41	11.85	13.40	12.85	9.93	9.23
31	---	---	6.31	5.70	---	---	12.40	11.92	13.55	13.02	---	---
MONTH	6.05	3.88	6.31	4.29	9.10	5.52	12.41	8.52	13.64	11.64	13.68	9.23
YEAR	13.68	3.06										



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bg 49. SITE ID.--382038075065901. PERMIT NUMBER.--WO-73-0520.
LOCATION.--Lat 38°20'38", long 75°06'59", Hydrologic Unit 020060010, near Keyser Point Rd., West Ocean City.
Owner: U.S. Geological Survey.
AQUIFER.--Ocean City aquifer of Upper Miocene age. Aquifer code: 122OCNC.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 243 ft; casing diameter 4 in., to 233 ft; screen diameter 4 in. from 233 to 243 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
Equipped with digital water-level recorder--60-minute recording interval, May 1985 to current year.
Periodic measurements with chalked steel tape October 1975 to May 1985.
DATUM.--Elevation of land surface is 10 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring Point: Top of recorder shelf, 2.12 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network. Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.42 ft below land surface, March 12, 1993; lowest measured, 24.84 ft below land surface, Aug. 16, 1988.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	10.04	9.82	7.08	6.74	5.94	5.84	4.93	4.76	4.38	4.23	4.02	3.86
2	9.82	9.59	7.21	6.84	5.91	5.76	5.01	4.75	4.39	4.25	3.90	3.81
3	9.59	9.41	7.26	7.18	5.94	5.83	5.08	4.99	4.34	4.11	3.90	3.82
4	9.45	9.30	7.23	7.00	5.91	5.67	5.12	4.99	4.11	3.83	3.90	3.82
5	9.34	9.22	7.02	6.84	5.68	5.46	5.22	5.10	4.50	3.89	3.86	3.76
6	9.27	9.15	6.92	6.77	5.58	5.47	5.29	5.20	4.76	4.50	3.81	3.72
7	9.22	9.09	6.97	6.85	5.56	5.43	5.21	5.07	4.80	4.69	3.91	3.80
8	9.18	9.00	7.00	6.91	5.61	5.50	5.08	4.96	4.72	4.40	3.88	3.80
9	9.07	8.86	7.00	6.83	5.61	5.52	4.99	4.91	4.52	4.35	4.14	3.79
10	8.93	8.74	6.83	6.54	5.53	5.22	4.97	4.88	4.58	4.52	4.15	4.07
11	8.78	8.59	6.63	6.50	5.32	5.09	4.92	4.81	4.55	4.34	4.17	4.09
12	8.64	8.52	6.63	6.53	5.44	5.30	4.81	4.67	4.48	4.26	4.12	4.04
13	8.53	8.37	6.63	6.51	5.43	5.28	4.82	4.71	4.58	4.48	4.11	4.00
14	8.38	8.21	6.61	6.47	5.30	5.01	4.84	4.77	4.67	4.58	4.11	4.00
15	8.22	7.84	6.50	6.37	5.02	4.88	4.79	4.51	4.66	4.22	4.02	3.89
16	7.97	7.81	6.51	6.26	5.00	4.89	4.55	4.44	4.30	4.22	3.95	3.81
17	7.93	7.76	6.26	5.81	4.98	4.85	4.57	4.47	4.36	4.26	3.86	3.75
18	7.77	7.64	5.90	5.69	4.93	4.79	4.52	4.33	4.29	4.20	3.86	3.75
19	7.66	7.56	6.08	5.75	4.97	4.86	4.33	4.06	4.21	4.13	3.93	3.80
20	7.61	7.51	6.23	6.08	5.18	4.97	4.06	3.85	4.13	3.99	3.88	3.78
21	7.55	7.42	6.18	5.82	5.25	5.18	4.27	3.98	3.99	3.78	3.91	3.75
22	7.50	7.42	6.01	5.82	5.29	5.14	4.45	4.24	3.92	3.75	3.93	3.77
23	7.45	7.31	6.31	6.01	5.14	4.62	4.51	4.40	3.96	3.84	3.94	3.86
24	7.42	7.31	6.36	6.23	4.62	4.13	4.50	4.41	4.15	3.85	3.92	3.81
25	7.38	7.32	6.25	6.13	4.40	4.12	4.47	4.36	4.31	4.14	3.91	3.80
26	7.34	7.24	6.22	6.15	4.64	4.39	4.53	4.37	4.33	4.23	3.96	3.85
27	7.37	7.23	6.17	5.81	4.80	4.61	4.57	4.45	4.25	4.09	4.05	3.90
28	7.37	7.27	5.81	5.53	4.82	4.69	4.60	4.47	4.10	3.97	4.05	3.90
29	7.44	7.33	5.91	5.62	4.99	4.79	4.53	4.38	---	---	3.99	3.90
30	7.44	7.30	5.93	5.87	5.06	4.93	4.41	4.17	---	---	4.00	3.90
31	7.37	7.08	---	---	5.09	4.93	4.25	4.17	---	---	4.04	3.90
MONTH	10.04	7.08	7.26	5.53	5.94	4.12	5.29	3.85	4.80	3.75	4.17	3.72

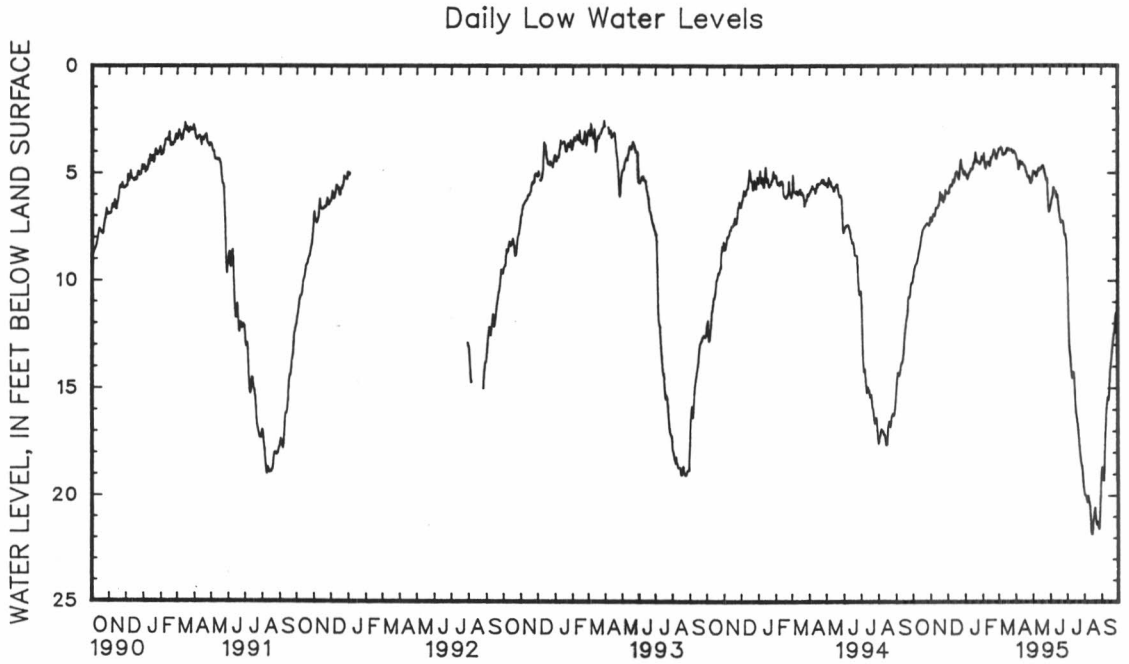
GROUND-WATER LEVELS

MARYLAND--Continued

WORCESTER COUNTY--Continued

WO Bg 49--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.11	3.98	5.14	4.92	6.66	6.48	8.92	8.23	19.93	19.65	18.77	18.53
2	4.17	4.04	4.92	4.78	6.55	6.33	9.96	8.92	20.06	19.88	18.69	18.51
3	4.33	4.13	4.95	4.76	6.38	6.20	10.99	9.96	20.11	19.93	18.89	18.67
4	4.37	4.22	5.03	4.88	6.25	6.13	12.29	10.99	20.11	19.94	19.33	18.89
5	4.52	4.31	4.97	4.87	6.16	6.01	13.15	12.29	20.28	20.03	19.33	18.86
6	4.83	4.51	5.05	4.86	6.03	5.71	13.46	13.14	20.41	20.15	18.87	18.08
7	4.84	4.70	5.07	4.93	5.71	5.56	13.66	13.43	20.26	19.96	18.08	17.28
8	4.70	4.46	5.16	4.98	5.71	5.55	14.02	13.66	20.11	19.96	17.28	16.74
9	4.46	4.34	5.13	4.97	5.85	5.71	14.39	14.02	20.32	20.00	16.74	16.04
10	4.47	4.39	4.97	4.85	5.91	5.76	14.65	14.36	20.43	20.20	16.04	15.74
11	4.58	4.45	4.87	4.71	5.87	5.76	14.45	14.26	20.59	20.29	15.75	15.38
12	4.60	4.49	4.79	4.70	6.14	5.86	14.38	14.24	21.04	20.49	15.43	15.22
13	4.51	4.42	4.90	4.73	6.03	5.88	14.40	14.25	21.75	21.04	15.57	15.41
14	4.57	4.45	4.85	4.62	6.05	5.88	14.66	14.29	21.88	21.66	15.51	15.19
15	4.61	4.47	4.79	4.62	6.36	5.96	15.25	14.65	21.88	21.58	15.19	14.68
16	4.65	4.50	4.83	4.65	6.58	6.26	15.91	15.24	21.64	21.22	14.68	14.13
17	4.68	4.53	4.73	4.58	6.74	6.52	16.19	15.88	21.26	20.89	14.13	13.89
18	4.71	4.53	4.68	4.56	6.93	6.67	16.43	16.17	21.08	20.74	13.90	13.68
19	4.82	4.60	4.65	4.54	7.16	6.87	16.56	16.34	20.79	20.45	13.68	13.32
20	4.98	4.68	4.68	4.56	7.35	7.13	16.75	16.48	20.63	20.52	13.32	12.99
21	4.97	4.83	4.78	4.60	7.36	7.15	17.02	16.75	21.01	20.63	13.04	12.80
22	5.17	4.84	4.96	4.74	7.27	7.13	17.40	17.02	21.27	21.01	12.80	12.53
23	5.21	5.08	5.06	4.93	7.27	7.14	17.80	17.40	21.43	21.22	12.54	12.40
24	5.20	4.97	5.19	5.02	7.31	7.16	18.12	17.80	21.29	21.19	12.43	12.09
25	5.16	5.00	5.34	5.16	7.48	7.23	18.37	18.12	21.34	21.25	12.09	11.76
26	5.32	5.16	5.26	5.10	7.83	7.40	18.59	18.37	21.55	21.25	11.77	11.52
27	5.48	5.32	5.31	5.10	7.94	7.71	18.69	18.56	21.64	21.54	11.53	11.41
28	5.44	5.33	5.93	5.31	7.91	7.70	18.73	18.57	21.54	20.84	11.52	11.36
29	5.48	5.31	6.59	5.93	8.08	7.77	19.05	18.68	20.84	20.14	11.41	11.13
30	5.35	5.04	6.84	6.59	8.23	8.04	19.42	19.05	20.14	19.32	11.20	10.95
31	---	---	6.79	6.65	---	---	19.69	19.41	19.32	18.77	---	---
MONTH	5.48	3.98	6.84	4.54	8.23	5.55	19.69	8.23	21.88	18.77	19.33	10.95
YEAR	21.88	3.72										



5 YEAR HYDROGRAPH

OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bh 31. SITE ID.--382215075041801. PERMIT NUMBER.--WO-04-9586.
LOCATION.--Lat 38°22'15", long 75°04'18", Hydrologic Unit 020060010, at 44th St, Ocean City.
Owner: Town of Ocean City.
AQUIFER.--Ocean City aquifer of Upper Miocene age. Aquifer code: 122OCNC.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 278 ft; casing diameter 4 in., to 263 ft; screen diameter 3 in. from 263 to 278 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel. Periodic measurements with chalked steel tape September 1970 to May 1985. Equipped with digital water-level recorder--60-minute recording interval, May 1985 to current year.
DATUM.--Elevation of land surface is 5.59 ft above National Geodetic Vertical Datum of 1929.
Measuring Point: Top of recorder shelf, 3.44 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping. Missing data due to recorder malfunction.
PERIOD OF RECORD.--September 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.55 ft below land surface, March 13, 1993; lowest measured, 51.03 ft below land surface, July 27, 1986.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	14.00	12.82	6.31	4.93	5.45	4.06	15.51	12.43	3.84	2.67	3.44	1.99
2	13.63	12.33	7.07	5.33	5.39	3.89	16.03	6.57	3.75	2.44	3.04	1.91
3	13.30	10.97	7.26	5.91	5.67	4.17	7.18	5.17	3.35	2.21	3.08	2.01
4	13.22	9.85	6.88	5.32	5.42	3.80	5.99	4.61	2.80	1.65	3.03	1.98
5	10.82	9.26	6.54	5.05	4.97	3.40	5.62	4.54	4.19	2.03	2.92	1.88
6	10.30	8.87	6.45	5.05	4.83	3.61	5.47	4.37	4.46	3.79	2.96	1.89
7	10.04	8.65	6.62	5.28	4.84	3.67	4.81	3.96	4.25	3.57	3.12	2.21
8	16.90	8.37	6.70	5.55	4.83	3.75	4.45	3.77	3.70	3.69	3.05	2.28
9	16.57	10.21	6.58	5.36	4.82	3.87	4.33	3.57	3.92	3.16	3.52	2.41
10	10.47	8.80	5.66	4.57	4.45	3.36	4.22	3.48	3.87	3.28	3.56	2.74
11	9.33	8.04	5.88	4.89	4.48	3.14	4.07	3.31	3.79	2.62	9.84	2.78
12	8.86	7.81	5.78	4.97	4.61	3.72	4.03	2.99	3.93	2.47	8.16	5.79
13	8.54	7.54	5.82	4.94	4.56	3.62	4.26	3.20	4.05	3.05	8.45	4.71
14	8.24	7.18	5.81	4.73	4.23	3.08	4.26	3.24	4.16	3.18	5.07	3.39
15	7.96	6.39	5.63	4.59	3.83	2.79	4.09	2.83	3.97	2.37	7.47	2.98
16	7.56	6.60	5.66	4.35	3.89	2.88	3.85	2.64	3.59	2.48	7.79	3.62
17	7.54	6.38	4.96	3.59	4.01	2.89	3.85	2.62	3.68	2.51	6.33	3.02
18	7.19	6.19	4.57	3.46	3.97	2.81	3.67	2.35	3.53	2.44	12.42	6.33
19	7.11	6.04	5.18	4.05	4.03	2.98	3.25	2.11	3.42	2.29	14.29	8.15
20	7.05	5.99	5.56	4.46	4.30	3.24	3.00	1.72	14.37	2.30	9.32	4.05
21	6.93	5.85	5.35	4.15	4.63	3.62	3.53	2.54	3.85	2.50	4.88	3.35
22	6.88	5.88	5.17	4.04	4.68	3.48	3.74	2.60	3.34	2.30	6.12	3.30
23	6.80	5.75	5.82	4.91	3.99	2.33	3.90	2.92	3.44	2.13	4.01	3.21
24	6.83	5.85	5.78	4.74	2.71	1.68	3.68	2.78	3.78	2.13	7.57	2.78
25	6.82	5.85	5.52	4.68	3.32	2.03	3.73	2.61	4.08	2.77	8.70	6.97
26	6.64	5.79	5.51	4.68	3.80	2.62	3.89	2.63	4.08	2.72	9.27	7.82
27	6.67	5.74	5.11	4.11	4.00	2.85	4.03	2.77	3.58	2.35	9.27	5.03
28	6.67	5.86	4.90	3.76	4.20	2.92	4.02	2.77	3.36	2.12	9.10	7.93
29	6.86	6.07	5.66	4.09	4.55	3.10	3.86	2.37	---	---	9.29	4.96
30	6.87	5.93	5.65	4.45	4.62	3.26	3.57	2.13	---	---	5.51	3.59
31	6.71	5.47	---	---	12.43	3.06	3.48	2.18	---	---	6.99	3.46
MONTH	16.90	5.47	7.26	3.46	12.43	1.68	16.03	1.72	14.37	1.65	14.29	1.88

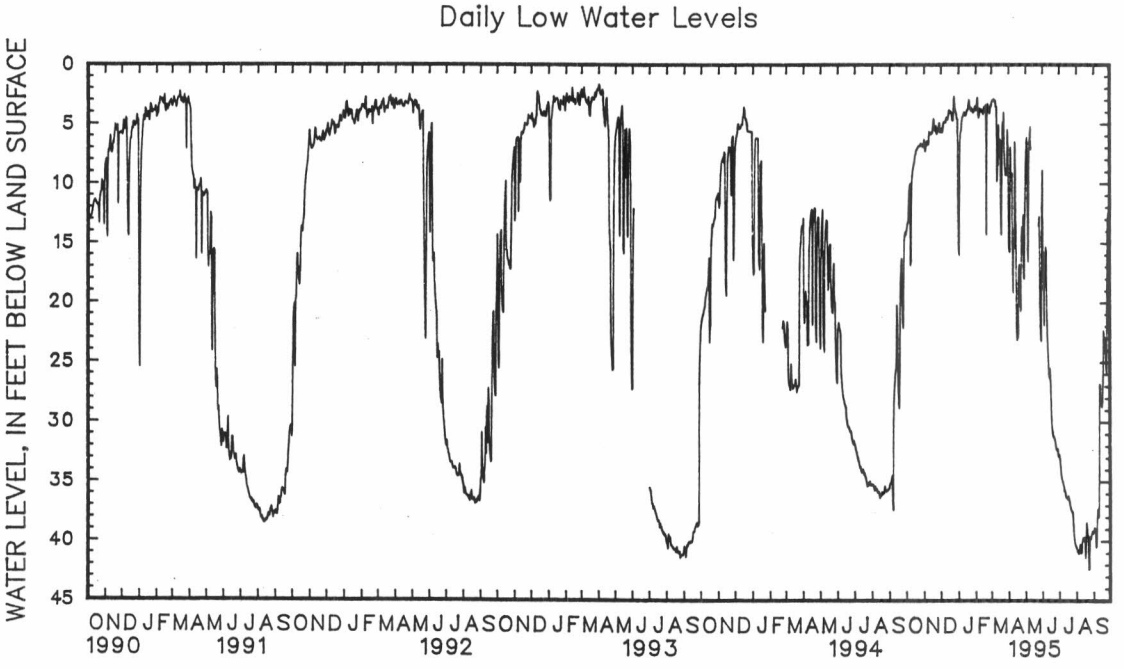
GROUND-WATER LEVELS

MARYLAND--Continued

WORCESTER COUNTY--Continued

WO Bh 31--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	14.92	6.99	8.89	5.94	8.90	7.18	32.79	31.89	40.60	39.42	39.12	38.02
2	15.68	9.17	6.60	5.41	13.68	7.15	33.13	32.02	40.85	39.72	38.89	37.83
3	15.78	6.85	6.14	4.92	18.52	13.26	33.76	32.42	40.82	39.78	39.13	37.89
4	6.98	4.89	8.13	4.93	21.97	17.91	34.41	33.04	41.01	39.92	39.24	38.10
5	9.14	4.89	15.59	8.13	17.91	15.78	34.73	33.55	41.04	40.01	40.53	38.21
6	9.44	5.97	16.63	10.95	16.00	15.04	35.02	33.88	40.97	39.70	40.42	30.48
7	9.21	8.64	11.52	6.55	15.37	14.20	35.02	34.01	40.30	39.11	38.36	29.40
8	17.40	8.46	6.68	5.36	15.72	14.63	35.25	33.81	40.59	34.99	37.30	27.80
9	19.25	7.29	5.81	4.76	21.48	14.75	35.46	33.90	40.98	39.76	37.53	28.65
10	15.39	5.79	5.20	4.05	23.41	15.87	35.77	34.24	40.94	39.09	37.99	29.16
11	15.41	6.22	7.11	3.64	24.51	22.78	35.85	34.59	40.05	38.71	34.41	26.46
12	6.51	4.64	---	---	26.05	23.56	36.05	34.65	39.74	38.44	26.84	20.13
13	8.93	4.18	---	---	26.37	19.51	36.33	34.80	39.86	38.48	26.89	18.56
14	13.97	7.99	---	---	25.61	23.55	36.37	35.03	39.82	38.55	28.38	19.57
15	21.83	7.71	---	---	26.52	24.95	36.39	35.13	39.70	38.51	28.43	20.70
16	23.17	10.64	---	---	27.97	25.59	36.50	35.10	40.55	37.43	28.68	27.83
17	21.98	12.32	---	---	29.48	27.39	36.26	35.44	41.51	38.17	28.33	21.07
18	22.99	16.13	---	---	30.40	28.72	36.48	35.35	40.17	37.57	26.60	17.90
19	17.34	15.68	---	---	30.86	29.54	36.70	35.78	38.43	37.54	22.36	15.20
20	16.84	15.68	---	---	31.25	28.41	37.01	35.94	39.02	37.67	23.31	14.23
21	18.73	11.47	---	---	31.21	28.20	37.22	36.14	39.55	38.24	22.93	13.71
22	20.22	15.79	---	---	31.37	30.34	37.40	36.21	39.70	38.77	23.87	15.08
23	20.76	14.83	---	---	31.52	30.42	37.51	36.30	42.36	38.72	25.42	18.77
24	14.83	12.50	---	---	31.79	30.63	37.55	36.62	42.37	38.85	25.86	19.54
25	13.63	10.97	13.56	6.60	32.21	31.23	37.71	36.77	39.63	38.54	19.54	13.49
26	15.73	8.65	12.84	6.38	32.34	31.32	38.57	36.92	39.70	38.61	14.10	12.08
27	12.63	11.50	20.31	10.90	32.31	31.03	39.46	38.20	39.79	38.68	12.88	11.55
28	17.84	11.53	21.98	20.31	32.31	30.82	39.84	38.72	39.44	38.34	12.48	11.13
29	18.02	11.38	23.15	17.38	32.88	31.75	40.17	39.10	39.18	37.99	11.88	10.53
30	12.38	8.89	23.28.	12.36	32.91	31.91	40.39	39.38	39.32	38.11	11.21	9.98
31	---	---	12.36	8.35	---	---	40.49	39.40	39.35	38.20	---	---
MONTH	23.17	4.18	23.28	3.64	32.91	7..15	40.49	31.89	42.37	34.99	40.53	9.98
YEAR	42.37	1.65										



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bh 34. SITE ID.382443075033501. PERMIT NUMBER.--WO-04-9588.
LOCATION.--Lat 38°24'43", long 75°03'35", Hydrologic Unit 02060010, north side of 100th St., 0.2 mi west of MD Rt. 528, Ocean City.
Owner: Town of Ocean City.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 353 ft; casing diameter 4 in., to 316.2 ft, casing diameter 2.5 in. from 316.2 to 337 ft; screen diameter 2.5 in.(?) from 337 to 353 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
Equipped with digital water-level recorder--60-minute recording interval April 1985 to current year.
Prior to April 1985, periodic measurements with chalked steel tape.
DATUM.--Elevation of land surface is 4 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of recorder shelf, 2.86 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.54 ft above land surface, March 27, 1973; lowest measured, 19.04 ft below land surface, Sept. 5, 1995.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	14.74	13.71	10.64	9.31	9.12	7.78	7.30	5.94	6.82	5.73	6.77	5.35
2	14.52	13.45	11.13	9.63	8.98	7.54	7.55	6.24	6.75	5.49	6.32	5.31
3	14.41	13.30	11.30	9.96	9.25	7.85	7.84	6.63	6.30	5.28	6.27	5.26
4	14.26	13.01	10.80	9.36	9.03	7.49	7.74	6.63	5.78	4.77	6.20	5.30
5	14.08	12.77	10.42	9.04	8.56	7.10	7.83	6.95	7.13	5.17	6.15	5.27
6	13.90	12.59	10.35	9.08	8.30	7.13	7.85	6.96	7.42	6.69	6.26	5.27
7	13.86	12.55	10.62	9.41	8.21	7.12	7.40	6.74	7.24	6.55	6.39	5.62
8	13.85	12.56	10.69	9.66	8.13	7.17	7.26	6.61	6.55	5.90	6.22	5.67
9	13.79	12.67	10.52	9.41	7.99	7.15	7.22	6.55	7.04	6.05	6.82	5.86
10	13.72	12.56	9.60	8.59	7.64	6.67	7.17	6.54	7.02	6.52	6.93	6.21
11	13.37	12.23	9.60	8.76	7.70	6.43	7.07	6.40	7.00	6.01	6.75	6.28
12	12.94	12.03	9.52	8.81	7.89	7.07	6.88	6.01	7.23	5.92	6.66	6.00
13	12.72	11.81	9.65	8.83	7.86	7.06	7.10	6.16	7.41	6.48	6.78	5.87
14	12.47	11.52	9.64	8.71	7.57	6.54	7.10	6.23	7.55	6.69	6.78	5.86
15	12.19	10.94	9.47	8.61	7.12	6.20	7.00	5.91	7.39	5.90	6.56	5.65
16	12.28	11.20	9.50	8.28	7.05	6.11	6.91	5.83	7.00	5.98	6.52	5.32
17	12.30	11.11	8.75	7.47	7.09	6.07	6.95	5.89	7.02	5.92	6.28	5.20
18	11.86	10.82	8.36	7.29	7.05	5.99	6.87	5.66	6.85	5.86	6.32	5.25
19	11.61	10.60	8.82	7.81	7.09	6.15	6.47	5.31	6.77	5.78	6.43	5.24
20	11.49	10.49	9.15	8.19	7.30	6.37	6.05	4.81	6.62	5.54	6.31	5.17
21	11.35	10.37	8.96	7.80	7.49	6.58	6.56	5.58	6.26	5.48	6.32	5.17
22	11.41	10.56	8.62	7.61	7.54	6.44	6.78	5.76	6.44	5.34	6.47	5.29
23	11.49	10.60	9.23	8.43	6.87	5.36	6.97	6.09	6.50	5.57	6.40	5.57
24	11.74	10.85	9.21	8.34	5.62	4.60	6.69	5.97	6.88	5.45	6.41	5.45
25	11.48	10.60	8.99	8.26	6.17	4.97	6.69	5.70	7.15	5.98	6.47	5.55
26	11.16	10.36	9.01	8.33	6.42	5.43	6.82	5.74	7.15	6.04	6.66	5.60
27	10.96	10.17	8.74	7.89	6.70	5.58	6.96	5.81	6.79	5.70	6.66	5.71
28	10.83	10.15	8.74	7.59	6.91	5.75	6.96	5.84	6.65	5.53	6.56	5.57
29	10.96	10.25	9.42	7.98	7.29	5.92	6.85	5.53	---	---	6.48	5.48
30	11.07	10.26	9.42	8.28	7.43	6.18	6.64	5.34	---	---	6.40	5.38
31	11.05	9.92	---	---	7.47	6.06	6.49	5.27	---	---	6.39	5.42
MONTH	14.74	9.92	11.30	7.29	9.25	4.60	7.85	4.81	7.55	4.77	6.93	5.17

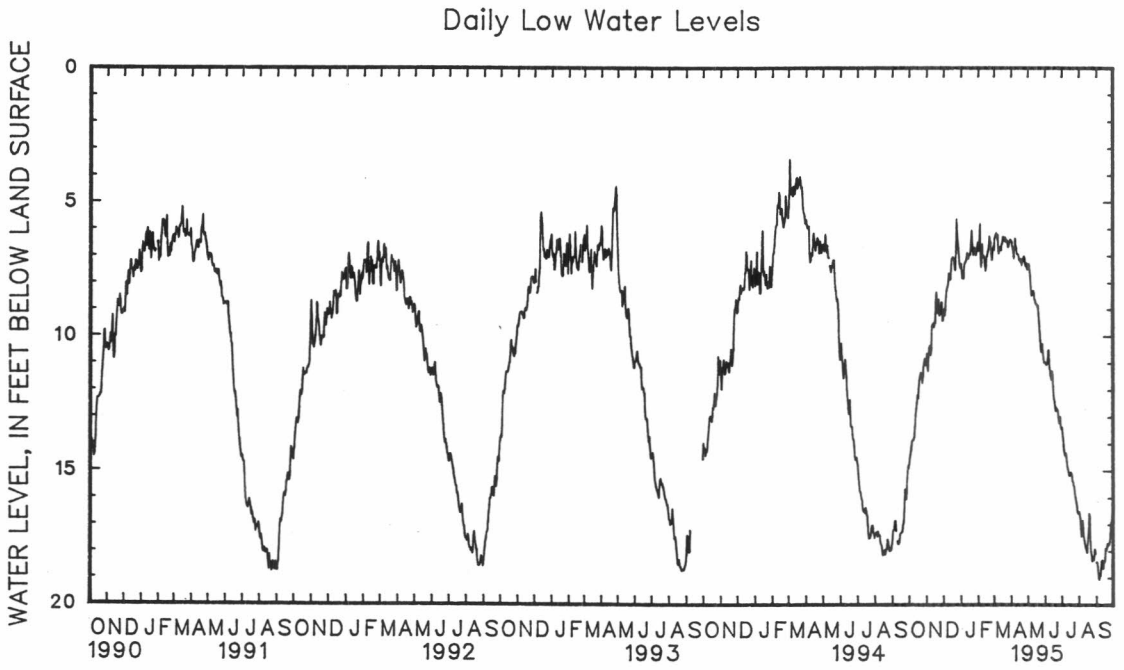
GROUND-WATER LEVELS

MARYLAND--Continued

WORCESTER COUNTY--Continued

WO Bh 34--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.45	5.49	7.31	6.37	11.00	10.15	13.40	12.58	16.53	15.69	18.41	17.30
2	6.47	5.62	7.31	6.18	11.00	10.18	13.58	12.63	16.63	15.79	18.42	17.51
3	6.65	5.72	7.32	6.24	11.06	10.20	13.79	12.79	16.75	15.87	18.59	17.63
4	6.73	5.83	7.56	6.60	11.07	10.34	14.07	13.17	17.16	16.23	18.96	17.96
5	7.01	6.04	7.74	6.90	11.00	10.31	14.24	13.44	17.45	16.38	19.04	17.94
6	7.10	6.44	8.16	7.13	10.83	10.16	14.41	13.58	17.25	16.08	18.99	17.74
7	6.69	6.03	8.43	7.57	10.53	9.70	14.45	13.47	16.85	15.64	18.86	17.68
8	6.33	5.79	8.49	7.87	10.86	9.89	14.36	13.26	17.10	15.86	18.90	17.70
9	6.62	5.77	8.34	7.57	11.15	10.17	14.44	13.27	17.49	16.29	18.66	17.35
10	6.69	6.05	8.44	7.63	11.35	10.19	14.66	13.37	17.61	16.36	18.38	17.33
11	6.93	6.09	8.31	7.20	11.52	10.23	14.85	13.42	17.75	16.52	18.32	17.26
12	6.93	6.11	8.39	7.31	11.63	10.18	14.95	13.59	17.82	16.71	18.51	17.53
13	6.94	5.97	8.62	7.43	11.31	9.85	15.06	13.78	17.90	16.89	18.65	17.79
14	7.03	6.02	8.65	7.27	11.44	10.15	15.17	14.01	18.01	17.01	18.44	17.56
15	7.15	5.96	8.78	7.39	11.87	10.42	15.19	14.09	18.04	17.01	18.34	17.59
16	7.18	5.93	8.79	7.48	12.23	10.78	15.11	14.06	17.72	16.82	18.35	17.51
17	7.10	5.85	8.81	7.64	12.35	11.20	15.06	14.10	17.47	16.61	17.89	17.30
18	7.23	5.98	8.89	7.69	12.45	11.44	15.09	14.24	17.22	16.36	17.96	17.33
19	7.14	6.00	8.87	7.71	12.60	11.71	15.16	14.40	16.59	15.72	17.90	17.12
20	7.34	6.03	9.15	7.90	12.79	11.98	15.37	14.59	16.71	15.90	17.71	16.84
21	7.23	6.35	9.42	8.29	12.66	11.77	15.44	14.63	17.62	16.51	17.78	16.91
22	7.10	6.24	9.78	8.79	12.72	11.90	15.56	14.69	18.01	17.17	17.71	16.82
23	7.19	6.31	10.16	9.24	12.73	11.87	15.59	14.74	18.14	17.29	17.73	16.80
24	7.02	5.99	10.48	9.60	12.79	11.91	15.82	14.95	18.37	17.52	17.65	16.45
25	7.07	6.08	10.60	9.64	13.07	12.16	15.99	15.09	18.33	17.38	17.31	16.10
26	7.35	6.43	10.31	9.25	13.24	12.30	16.11	15.19	18.33	17.41	17.06	15.91
27	7.38	6.44	10.30	9.42	13.09	11.94	16.22	15.25	18.33	17.31	16.91	15.70
28	7.28	6.28	10.56	9.68	13.00	12.15	16.32	15.41	18.17	17.00	16.86	15.77
29	7.44	6.51	10.80	9.99	13.36	12.45	16.52	15.65	17.93	16.88	16.55	15.41
30	7.52	6.45	10.99	10.06	13.45	12.51	16.59	15.67	18.08	17.10	16.30	15.21
31	---	---	10.97	10.06	---	---	16.55	15.68	---	---	---	---
MONTH	7.52	5.49	10.99	6.18	13.45	9.70	16.59	12.58	18.37	15.64	19.04	15.21
YEAR	19.04	4.60										



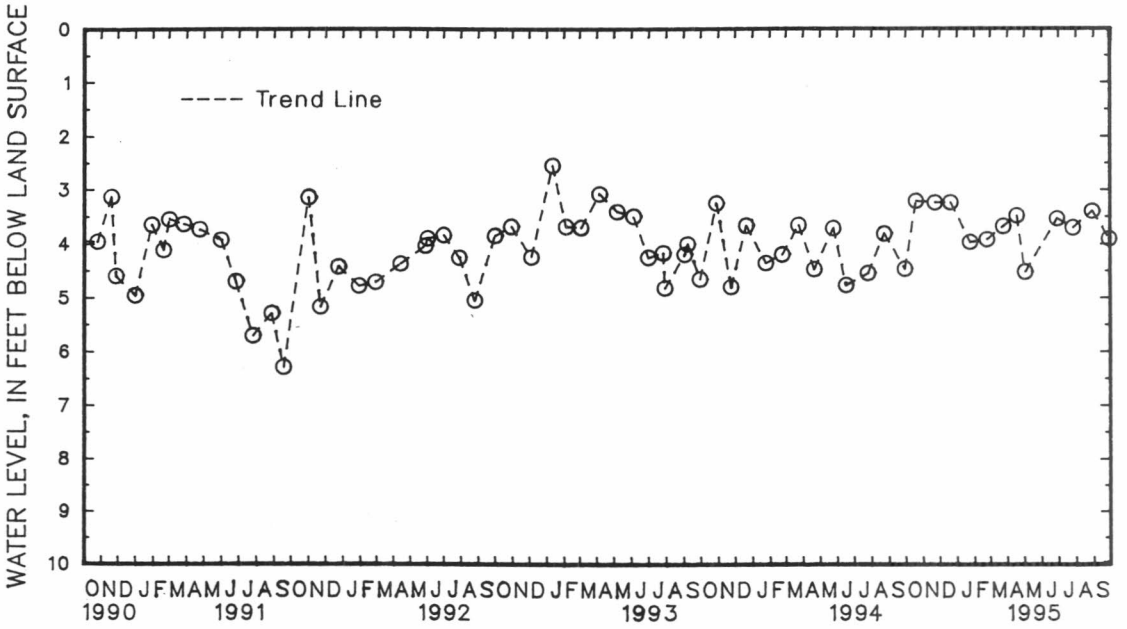
5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bh 84. SITE ID.--382215075041901. PERMIT NUMBER.--WO-73-0095.
LOCATION.--Lat 38°22'15", long 75°04'19", Hydrologic Unit 02060010, west end of 44th St., Ocean City.
Owner: U.S. Geological Survey.
AQUIFER.--Columbia aquifer of Pleistocene age. Aquifer code: 122CLMB.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, depth 89 ft; casing diameter 4 in., to 84 ft; screen diameter 4 in. from 84 to 89 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 5 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 4 in. coupling, 2.55 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well.
PERIOD OF RECORD.--April 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.55 ft below land surface, Jan. 11, 1993; lowest measured, 6.34 ft below land surface, Sept. 17, 1991.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	3.22	DEC 20	3.25	FEB 23	3.95	APR 17	3.50	JUN 28	3.55	AUG 29	3.41
NOV 22	3.25	JAN 24	4.00	MAR 24	3.70	MAY 2	4.56	JUL 26	3.72	SEP 28	3.93

WATER YEAR 1995 HIGHEST 3.22 OCT 19, 1994 LOWEST 4.56 MAY 2, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

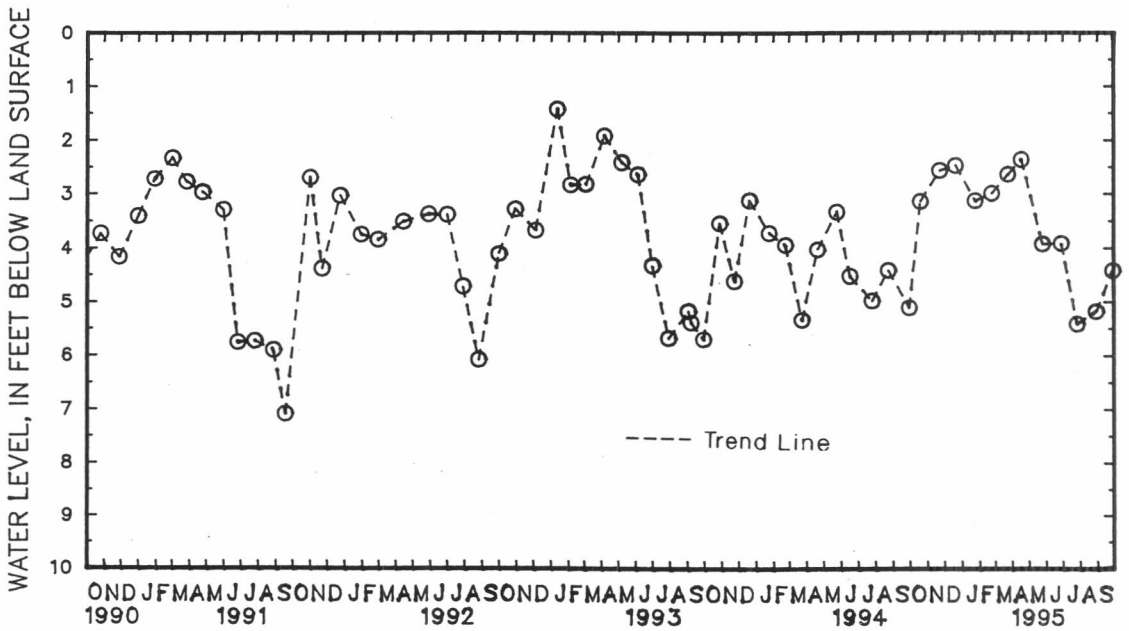
WORCESTER COUNTY--Continued

WELL NUMBER.--WO Bh 85. SITE ID.--382215075041902. PERMIT NUMBER.--WO-73-0094.
LOCATION.--Lat 38°22'15", long 75°04'19", Hydrologic Unit 02060010, west end of 44th St., Ocean City.
Owner: U.S. Geological Survey.
AQUIFER.--Pocomoke aquifer of Upper Miocene-Pliocene age. Aquifer code: 122PCMK.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 195 ft; casing diameter 4 in., to 190 ft; screen diameter 4 in. from 190 to 195 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 5 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 4 in. coupling, 1.78 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels maybe affected by seasonal pumping.
PERIOD OF RECORD.--April 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.43 ft below land surface, Jan. 11, 1993; lowest measured, 7.48 ft below land surface, Sept. 15, 1986.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	3.15	DEC 20	2.48	FEB 23	3.01	APR 17	2.37	JUN 28	3.95	AUG 29	5.22
NOV 22	2.57	JAN 24	3.15	MAR 24	2.65	MAY 25	3.96	JUL 26	5.46	SEP 28	4.44

WATER YEAR 1995 HIGHEST 2.37 APR 17, 1995 LOWEST 5.46 JUL 26, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bh 89. SITE ID.--382215075041903 PERMIT NUMBER.--WO-81-1497.
LOCATION.--Lat 38°22'15", long 75°04'19", Hydrologic Unit 020060010, at 44th St, Ocean City.
Owner: Town of Ocean City.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 500 ft; casing diameter 4 in., to 388 ft; screen diameter 4 in. from 388 to 500 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
Equipped with digital water-level recorder--60-minute recording interval, October 1986 to current year.
DATUM.--Elevation of land surface is 5.59 ft above National Geodetic Vertical Datum of 1929.
Measuring Point: Top of recorder shelf, 2.84 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
Missing data due to recorder malfunction.
PERIOD OF RECORD.--October 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.42 ft below land surface, Oct. 8, 1993; lowest recorded, 39.83 ft below land surface, Aug. 6, 1987.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	13.80	12.68	6.60	5.34	5.69	4.44	9.83	6.69	3.99	2.97	3.65	2.33
2	13.39	12.19	7.26	5.72	5.63	4.25	10.51	6.75	3.93	2.74	3.26	2.24
3	13.06	11.28	7.49	6.30	5.89	4.54	7.25	5.40	3.54	2.51	3.29	2.35
4	11.91	10.23	7.12	5.74	5.66	4.17	6.12	4.87	3.00	1.95	3.25	2.32
5	11.09	9.68	6.81	5.46	5.21	3.79	5.63	4.84	4.34	2.30	3.14	2.23
6	10.59	9.28	6.72	5.45	5.09	3.97	5.65	4.71	4.66	4.10	3.19	2.22
7	10.35	9.05	6.85	5.66	5.09	4.02	5.00	4.29	4.46	3.76	3.36	2.54
8	11.64	8.78	6.94	5.92	5.09	4.09	4.65	4.06	3.76	2.98	3.27	2.61
9	12.69	10.59	6.83	5.74	5.06	4.21	4.53	3.87	4.11	3.45	3.73	2.76
10	10.74	9.17	5.95	4.95	4.72	3.72	4.42	3.78	4.11	3.57	3.80	3.06
11	9.64	8.44	6.14	5.25	4.71	3.50	4.35	3.59	4.04	2.94	5.05	3.11
12	9.18	8.20	6.05	5.30	4.83	4.06	4.22	3.29	4.09	2.81	6.53	4.20
13	8.86	7.94	6.06	5.29	4.83	3.94	4.43	3.49	4.19	3.35	6.86	4.97
14	8.60	7.60	6.06	5.07	4.48	3.42	4.45	3.53	4.35	3.48	5.25	3.70
15	8.31	6.81	5.84	4.96	4.02	3.13	4.28	3.12	4.15	2.69	5.75	3.31
16	7.88	7.01	5.90	4.69	4.12	3.22	4.04	2.92	3.78	2.80	6.22	3.92
17	7.85	6.80	5.21	3.97	4.23	3.23	4.03	2.93	3.86	2.82	4.65	3.27
18	7.52	6.62	4.82	3.80	4.20	3.15	3.86	2.66	3.72	2.73	6.70	4.65
19	7.42	6.48	5.41	4.40	4.25	3.32	3.44	2.42	3.60	2.60	8.86	6.61
20	7.37	6.43	5.78	4.79	4.52	3.57	3.19	2.01	8.14	2.58	7.68	4.34
21	7.24	6.26	5.57	4.47	4.83	3.94	3.72	2.77	4.00	2.87	5.07	3.71
22	7.19	6.30	5.43	4.37	4.90	3.81	3.92	2.89	3.53	2.60	4.83	3.62
23	7.11	6.17	6.05	5.23	4.22	2.73	4.07	3.21	3.64	2.64	4.24	3.53
24	7.13	6.25	6.02	5.08	2.99	2.02	3.85	3.07	3.97	2.58	6.00	3.12
25	7.13	6.26	5.79	5.02	3.55	2.37	3.90	2.89	4.26	3.09	7.07	5.46
26	6.97	6.18	5.77	5.03	4.00	2.94	4.06	2.92	4.26	3.04	7.69	6.32
27	6.98	6.15	5.37	4.47	4.21	3.16	4.19	3.07	3.79	2.69	7.69	5.36
28	6.97	6.26	5.15	4.12	4.40	3.24	4.20	3.08	3.58	2.47	7.55	6.51
29	7.15	6.48	5.89	4.46	4.74	3.42	4.02	2.67	---	---	7.83	5.38
30	7.15	6.32	5.89	4.81	4.77	3.59	3.76	2.45	---	---	5.85	4.08
31	7.04	5.89	---	---	6.69	3.39	3.66	2.49	---	---	5.52	3.97
MONTH	13.80	5.89	7.49	3.80	6.69	2.02	10.51	2.01	8.14	1.95	8.86	2.22

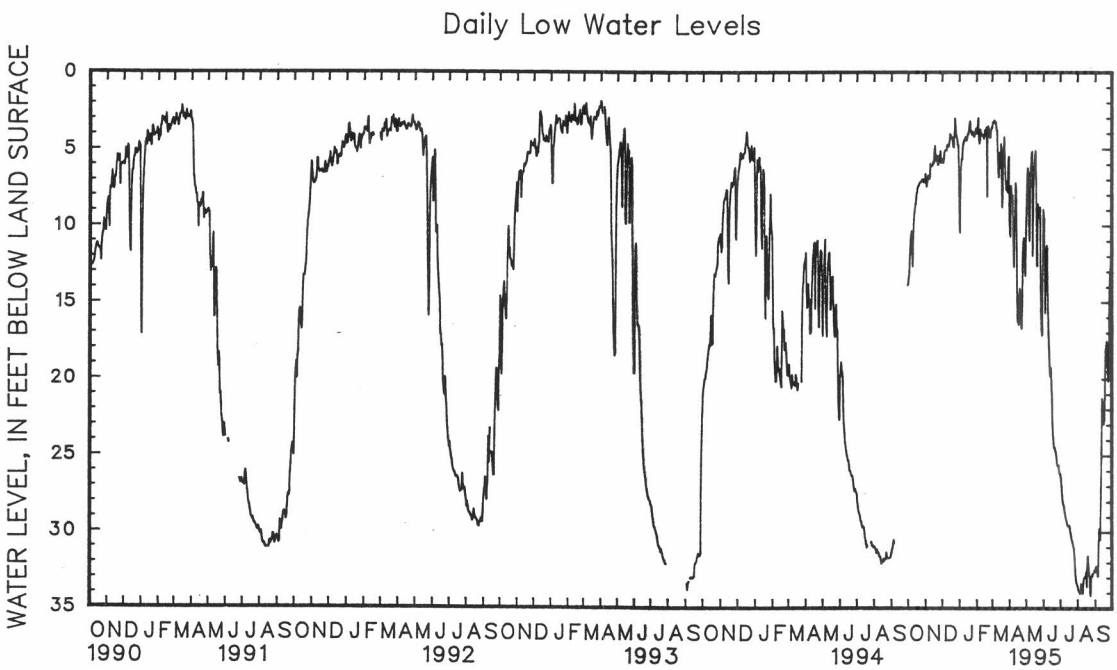
GROUND-WATER LEVELS

MARYLAND--Continued

WORCESTER COUNTY--Continued

WO Bh 89--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.59	5.52	10.59	9.06	8.95	7.35	26.22	25.42	33.57	32.65	32.50	31.41
2	10.52	7.91	9.06	6.06	9.56	7.25	26.48	25.45	33.80	32.90	32.25	31.22
3	10.74	7.37	6.64	5.57	12.27	9.13	26.98	25.77	33.86	32.95	32.25	31.22
4	7.37	5.49	6.19	5.07	15.75	12.27	27.57	26.37	33.93	32.99	32.45	31.44
5	7.93	5.47	6.58	5.06	13.89	11.73	27.98	26.94	34.05	32.98	32.88	31.72
6	8.20	6.52	10.01	6.58	11.94	11.04	28.18	27.31	33.90	32.70	32.88	28.43
7	8.05	7.53	11.01	9.24	11.28	10.44	28.28	27.38	33.39	32.18	30.94	27.44
8	10.87	7.35	9.73	6.67	11.47	10.59	28.43	27.28	33.46	31.66	29.73	25.84
9	12.75	7.96	6.72	5.44	15.20	10.73	28.69	27.55	34.00	32.89	30.25	26.62
10	10.28	6.38	5.87	4.92	16.94	13.66	28.93	27.82	34.04	32.37	30.50	27.28
11	10.34	6.94	5.27	4.23	17.97	16.65	29.15	27.91	33.33	32.00	27.39	24.65
12	7.19	5.42	5.16	4.07	19.25	17.62	29.28	28.05	33.00	31.89	25.03	20.21
13	7.75	5.01	11.99	4.21	19.84	15.12	29.48	28.29	32.94	31.87	21.26	18.69
14	11.10	7.19	9.35	6.68	19.29	16.94	29.59	28.50	32.95	31.96	22.63	19.46
15	14.83	8.11	6.98	4.88	20.20	18.50	29.61	28.58	32.90	31.92	22.69	20.55
16	16.36	11.12	5.92	4.39	21.43	19.22	29.63	28.51	32.58	31.61	22.94	22.11
17	15.47	11.25	5.48	4.10	22.81	20.83	29.57	28.79	33.59	31.59	22.67	21.25
18	16.50	14.04	5.10	3.79	23.67	22.12	29.74	28.79	32.34	31.00	21.25	18.09
19	14.61	13.10	6.98	3.77	24.15	22.98	30.00	29.14	31.55	30.81	18.09	15.43
20	14.12	13.06	12.64	6.98	24.52	23.60	30.23	29.44	32.12	31.14	17.96	14.48
21	14.80	11.24	12.64	8.46	24.50	23.57	30.46	29.60	32.65	31.76	17.53	14.00
22	16.22	13.56	8.59	6.61	24.68	23.89	30.56	29.71	32.94	32.00	18.22	15.14
23	16.77	15.65	9.48	6.62	24.80	24.02	30.75	29.96	34.06	32.14	19.61	15.87
24	15.70	11.47	---	---	25.05	24.25	30.93	30.10	34.21	32.14	20.14	19.14
25	11.97	10.75	9.48	6.68	25.52	24.65	31.07	30.26	32.91	31.84	19.48	13.81
26	11.29	8.59	8.79	6.62	25.68	24.79	31.68	30.48	32.84	31.92	14.35	12.45
27	10.79	9.77	13.89	8.71	25.65	24.52	32.45	31.53	32.86	31.90	13.18	11.95
28	11.84	9.80	15.56	13.89	25.65	24.83	32.86	31.99	32.71	31.56	12.79	11.53
29	13.02	11.84	16.74	14.99	26.16	25.22	33.20	32.30	---	---	12.19	10.96
30	13.29	9.94	17.18	12.27	26.26	25.34	33.34	32.50	32.52	31.50	11.53	10.40
31	---	---	12.27	8.48	---	---	33.44	32.55	32.61	31.61	---	---
MONTH	16.77	5.01	17.18	3.77	26.26	7.25	33.44	25.42	34.21	30.81	32.88	10.40
YEAR	34.21	1.95										



5 YEAR HYDROGRAPH

OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Bh 98. SITE ID.--382127075043802. PERMIT NUMBER.--WO-81-1822.
LOCATION.--Lat 38°21'27", long 75°04'38", Hydrologic Unit 02060010, at 28th Street Park, Ocean City.
Owner: Town of Ocean City.
AQUIFER.--Ocean City aquifer of Upper Miocene age. Aquifer code: 122OCNC.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 310 ft; casing diameter 4 in., to 255 ft; screen diameter 4 in. from 255 to 275 ft, 285 to 290 ft, and 305 to 310 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel, Equipped with digital water-level recorder--60-minute recorder interval from November 1990 to current year.
DATUM.--Elevation of land surface is 5 ft above National Geodetic Vertical Datum of 1929.
Measuring Point: Top of casing, 2.52 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
Missing data due to recorder malfunction.
PERIOD OF RECORD.--January 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.89 ft above land surface, April 2, 1993; lowest measured, 35.70 ft below land surface, Aug. 1, 1988.

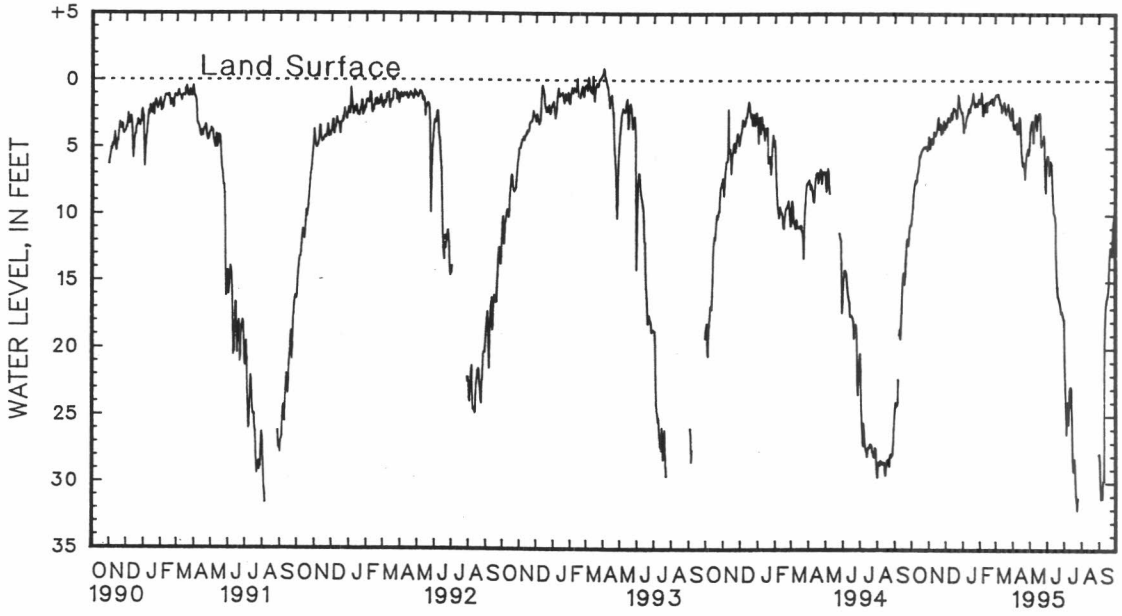
WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11.17	10.37	5.13	4.17	4.18	3.30	3.85	2.65	2.45	1.66	2.06	1.10
2	10.80	9.90	5.68	4.50	4.10	3.15	4.91	3.81	2.44	1.63	1.73	1.01
3	10.46	9.47	5.86	5.06	4.31	3.40	4.91	3.84	2.10	1.44	1.73	1.09
4	9.88	8.64	5.60	4.62	4.15	3.10	4.31	3.46	1.62	.88	1.71	1.06
5	9.18	8.15	5.29	4.34	3.74	2.74	4.10	3.44	2.78	1.14	1.61	.98
6	8.75	7.85	5.18	4.30	3.59	2.84	4.03	3.45	3.17	2.52	1.65	.98
7	8.53	7.64	5.29	4.47	3.61	2.88	3.55	3.02	3.03	2.58	1.82	1.23
8	8.30	7.41	5.39	4.70	3.63	2.94	3.21	2.78	2.64	1.77	1.76	1.31
9	8.49	7.59	5.32	4.55	3.61	3.03	3.07	2.62	2.61	1.84	2.13	1.38
10	8.46	7.49	4.57	3.81	3.34	2.60	3.02	2.53	2.64	2.29	2.22	1.70
11	7.82	6.98	4.64	3.99	3.26	2.39	2.96	2.38	2.60	1.75	2.24	1.76
12	7.45	6.79	4.58	4.09	3.40	2.84	2.72	2.09	2.44	1.61	2.75	1.82
13	7.18	6.55	4.61	4.07	3.40	2.76	2.80	2.24	2.66	2.12	3.04	2.35
14	6.98	6.25	4.61	3.88	3.12	2.28	2.95	2.32	2.86	2.28	3.05	2.16
15	6.71	5.56	4.40	3.77	2.68	2.04	2.81	1.98	2.73	1.59	2.55	1.86
16	6.26	5.67	4.44	3.53	2.73	2.12	2.54	1.75	2.32	1.65	2.73	2.01
17	6.26	5.52	3.85	2.93	2.84	2.16	2.53	1.77	2.41	1.70	2.54	1.60
18	5.97	5.37	3.42	2.74	2.82	2.11	2.38	1.52	2.28	1.62	2.73	1.83
19	5.86	5.22	3.93	3.20	2.86	2.23	1.99	1.26	2.18	1.54	3.50	2.29
20	5.82	5.18	4.27	3.62	3.08	2.46	1.68	.88	2.63	1.47	3.48	2.48
21	5.71	5.04	4.15	3.31	3.37	2.78	2.18	1.43	2.20	1.59	2.99	2.15
22	5.64	5.03	3.96	3.21	3.45	2.65	2.37	1.65	2.02	1.34	2.74	2.09
23	5.58	4.92	4.52	3.96	2.89	1.94	2.55	1.92	2.08	1.43	2.48	2.03
24	5.59	4.98	4.54	3.88	1.94	1.02	2.43	1.81	2.34	1.33	2.52	1.73
25	5.60	4.99	4.31	3.79	2.09	1.22	2.38	1.69	2.66	1.75	3.06	2.05
26	5.46	4.91	4.29	3.80	2.53	1.73	2.50	1.71	2.66	1.77	3.51	2.56
27	5.45	4.87	3.96	3.29	2.76	1.99	2.54	1.84	2.26	1.46	3.51	2.68
28	5.48	5.00	3.66	2.97	2.92	2.10	2.66	1.89	2.03	1.26	3.40	2.75
29	5.65	5.19	4.31	3.23	3.13	2.28	2.52	1.56	---	---	3.56	2.88
30	5.66	5.08	4.31	3.60	3.23	2.44	2.25	1.34	---	---	3.35	2.27
31	5.54	4.69	---	---	3.34	2.34	2.14	1.35	---	---	2.81	1.99
MONTH	11.17	4.69	5.86	2.74	4.31	1.02	4.91	.88	3.17	.88	3.56	.98

WO Bh 98--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	3.46	2.24	5.68	4.75	7.07	5.88	20.74	17.82	---	---	28.36	27.80
2	4.13	3.29	5.22	3.80	6.17	5.59	22.48	20.74	---	---	30.30	28.36
3	4.44	3.56	4.18	3.51	6.39	5.59	24.37	22.48	---	---	31.39	30.17
4	4.31	3.29	3.94	3.20	7.98	6.10	27.74	24.37	---	---	31.40	31.17
5	3.86	3.28	3.53	2.99	7.85	7.04	28.36	26.39	---	---	31.17	31.17
6	4.04	3.55	4.09	2.97	7.18	6.48	26.39	24.23	---	---	31.17	31.16
7	3.78	3.34	5.05	3.86	6.60	6.02	25.64	23.96	---	---	31.16	31.15
8	4.10	3.13	5.02	4.58	6.68	6.08	25.96	24.01	---	---	31.15	29.86
9	4.75	3.92	4.65	3.57	7.46	6.20	26.98	25.67	---	---	29.86	29.85
10	4.58	3.47	3.87	3.11	8.59	7.36	26.98	24.32	---	---	29.85	29.84
11	4.51	3.89	3.50	2.59	9.38	8.48	24.73	23.20	---	---	29.84	19.96
12	4.18	3.06	3.21	2.47	11.81	9.29	23.86	22.84	---	---	20.14	18.17
13	3.44	2.69	4.40	2.59	12.36	9.86	23.72	22.84	---	---	18.21	16.82
14	4.05	2.94	4.75	3.67	10.81	9.99	25.02	22.99	---	---	17.05	16.55
15	5.13	3.88	4.28	3.11	11.40	10.17	28.51	25.02	---	---	16.83	16.24
16	6.27	5.13	3.77	2.80	13.48	10.71	30.06	28.34	---	---	16.65	16.08
17	6.53	5.64	3.50	2.57	15.03	13.26	30.56	29.14	---	---	16.13	15.75
18	7.32	5.98	3.23	2.40	15.83	14.62	29.60	28.39	---	---	16.05	15.29
19	7.18	6.33	3.12	2.38	16.39	15.43	29.67	28.19	---	---	15.31	13.74
20	7.12	6.31	4.81	2.61	16.80	16.07	29.99	28.60	---	---	13.79	12.96
21	6.84	6.11	6.17	4.64	16.83	16.20	31.49	29.99	---	---	13.02	12.44
22	7.68	6.46	5.95	4.91	16.94	16.36	31.74	30.95	---	---	12.70	12.44
23	8.39	7.31	5.06	4.46	17.06	16.49	32.08	31.34	---	---	13.16	12.52
24	8.33	6.42	5.19	4.56	17.24	16.66	32.65	32.05	---	---	13.43	13.01
25	6.73	5.91	5.21	4.47	17.60	16.99	32.68	31.16	---	---	13.50	11.84
26	6.37	5.43	4.95	4.08	18.19	17.34	---	---	---	---	12.03	10.88
27	6.00	5.28	6.32	4.55	18.17	17.25	---	---	---	---	11.22	10.46
28	5.82	5.05	7.87	6.32	17.94	17.40	---	---	---	---	10.90	10.14
29	6.18	5.49	9.05	7.87	18.31	17.59	---	---	---	---	10.42	9.62
30	6.33	5.26	9.58	8.32	18.41	17.79	---	---	---	---	9.80	9.15
31	---	---	8.57	6.83	---	---	---	---	27.86	27.85	---	---
MONTH	8.39	2.24	9.58	2.38	18.41	5.59	32.68	17.82	27.86	27.85	31.40	9.15
YEAR	32.68	.88										

Daily Low Water Levels



5 YEAR HYDROGRAPH

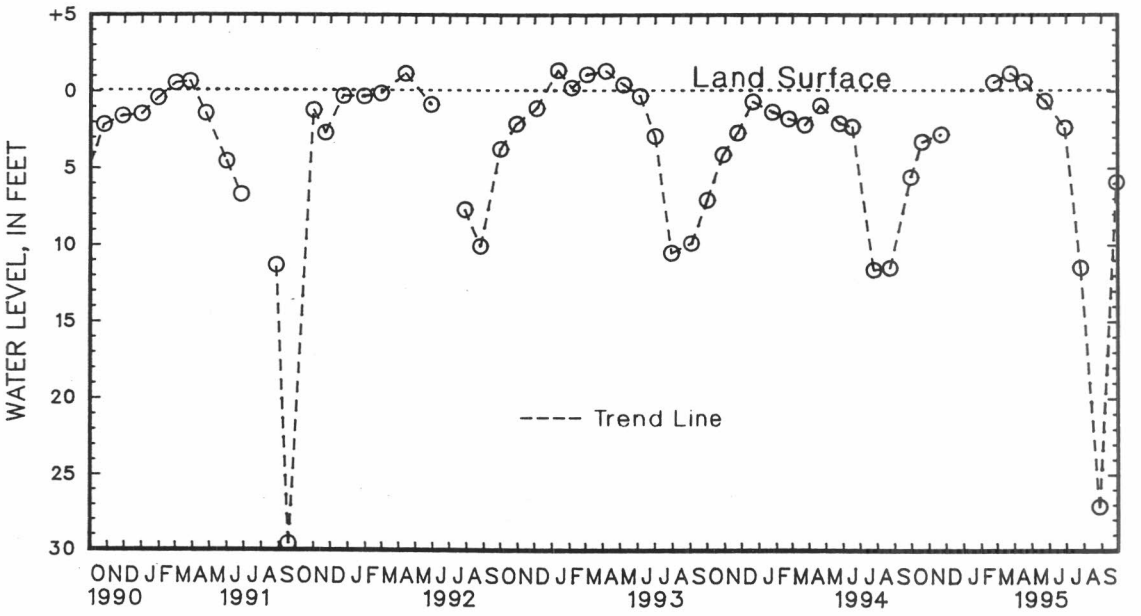
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Cg 72. SITE ID.--381939075052101. PERMIT NUMBER.--WO-73-1304.
LOCATION.--Lat 38°19'39", long 75°05'21", Hydrologic Unit 02060010, at South Division St., Ocean City.
Owner: Town of Ocean City.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 450 ft; casing diameter 4 in., to 384 ft, 394 to 404 ft, and 424 to 445 ft; screen diameter 4 in. from 384 to 394 ft, 404 to 424 ft, and 445 to 450 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 5 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 6 in. flange, 3.0 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
PERIOD OF RECORD.--January 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.58 ft above land surface, March 30, 1990, lowest measured, 29.85 ft below land surface, July 14, 1986.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
(READINGS ABOVE LAND SURFACE INDICATED BY "+")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	3.28	FEB 23	+.58	APR 17	+.62	JUN 28	2.40	AUG 28	27.15
NOV 22	2.80	MAR 24	+1.16	MAY 24	.65	JUL 26	11.60	SEP 28	5.92

WATER YEAR 1995 HIGHEST +1.16 MAR 24, 1995 LOWEST 27.15 AUG 28, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

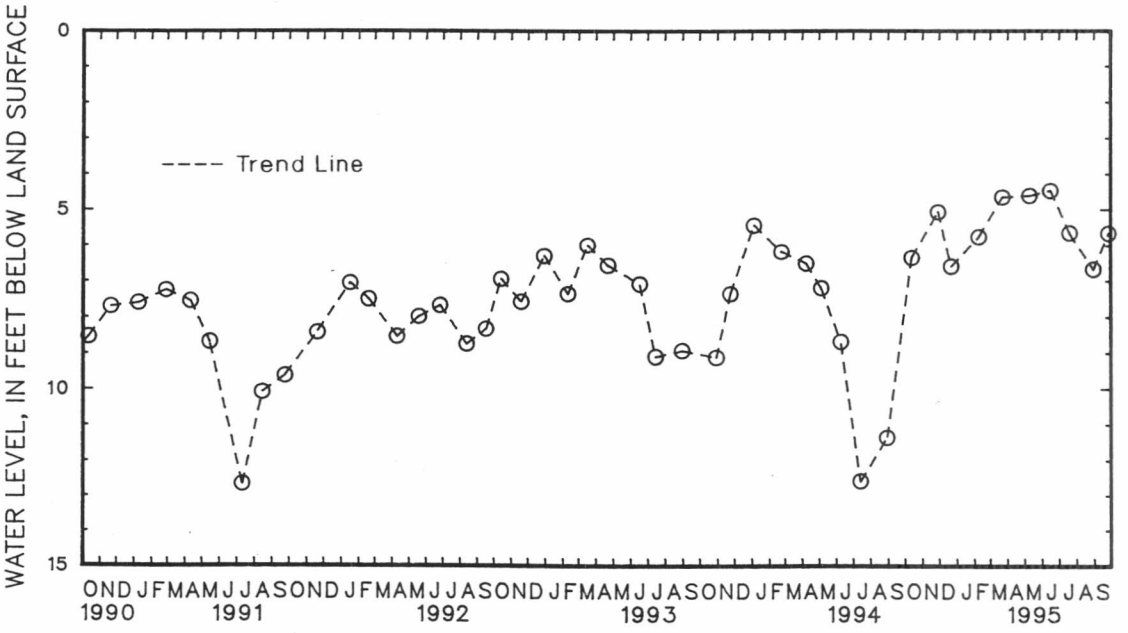
WORCESTER COUNTY--Continued

WELL NUMBER.--WO Dd 7. SITE ID.--381037075234301.
LOCATION.--Lat 38°10'37", long 75°23'43", Hydrologic Unit 02060009, near intersection of Green and Commerce Sts., Snow Hill.
Owner: City of Snow Hill.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, unused, artesian well, depth 290 ft; casing diameter 6 in.; casing length unknown.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 13 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of casing extension, 0.40 ft below land surface.
REMARKS.--Maryland Water-Level Network observation well. Water levels affected by nearby pumping.
PERIOD OF RECORD.--July 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.63 ft below land surface, March 8, 1962; lowest measured, 38.02 ft below land surface, Sept. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	6.35	DEC 21	6.63	MAR 22	4.66	JUN 15	4.48	AUG 30	6.72
NOV 28	5.07	FEB 8	5.78	MAY 9	4.62	JUL 19	5.69	SEP 26	5.68

WATER YEAR 1995 HIGHEST 4.48 JUN 15, 1995 LOWEST 6.72 AUG 30, 1995



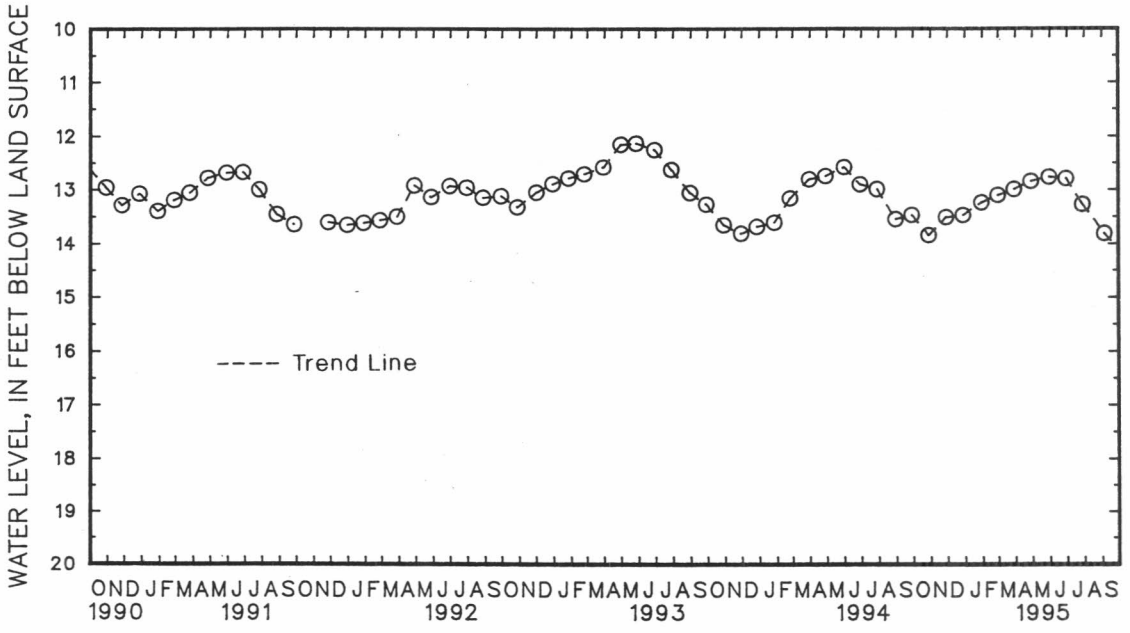
5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO De 36. SITE ID.--381457075174101. PERMIT NUMBER.--WO-73-0515.
LOCATION.--Lat 38°14'57", long 75°17'41", Hydrologic Unit 02060010, at Newark.
Owner: U.S. Geological Survey.
AQUIFER.--Manokin aquifer of Upper Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 330 ft; casing diameter 4 in., to 320 ft; screen diameter 2 in. from 320 to 330 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 30 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 4 in. coupling, 1.84 ft above land surface.
REMARKS.--Maryland Water-Level Network observation well.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.62 ft below land surface, May 20, 1976, lowest measured, 14.75 ft below land surface, Oct. 22, 1975.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	13.88	DEC 28	13.50	FEB 28	13.12	APR 28	12.86	JUN 29	12.81	SEP 5	13.85
NOV 28	13.54	JAN 30	13.26	MAR 29	13.01	MAY 30	12.78	JUL 28	13.30		

WATER YEAR 1995 HIGHEST 12.78 MAY 30, 1995 LOWEST 13.88 OCT 28, 1994



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

GROUND-WATER LEVELS

MARYLAND--Continued

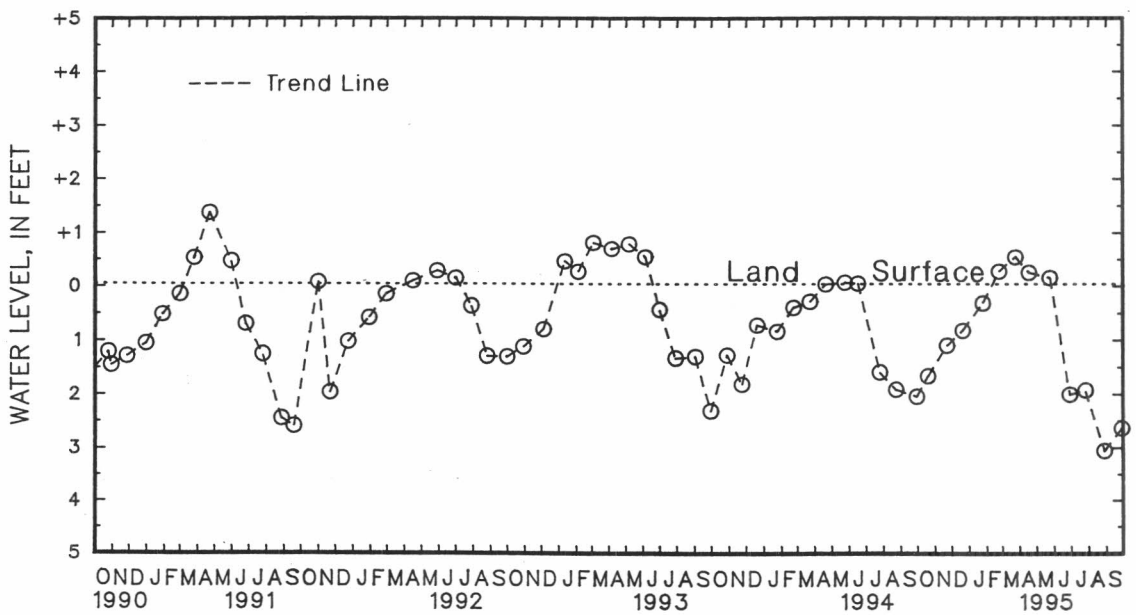
WORCESTER COUNTY--Continued

WELL NUMBER.--WO Dg 21. SITE ID.--381427075081102. PERMIT NUMBER.--WO-73-0519.
LOCATION.--Lat 38°14'27", long 75°08'11", Hydrologic Unit 020060010, at Assateague Island State Park.
Owner: U.S. Geological Survey.
AQUIFER.--Manokin aquifer of Miocene age. Aquifer code: 122MNKN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, depth 310 ft; casing diameter 4 in., to 300 ft; screen diameter 2 in. from 300 to 310 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel, November 1990 to current year. Periodic measurements with chalked steel tape October 1975, to April 1985. Equipped with digital water-level recorder--60-minute recording interval, April 1985 to October 1990.
DATUM.--Elevation of land surface is 6 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of metal sleeve, 4.06 ft above land surface.
REMARKS.--Ocean City ground-water monitoring network well. Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.37 ft above land surface, April 22, 1991; lowest recorded, 5.25 ft below land surface, Aug. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
(READINGS ABOVE LAND SURFACE INDICATED BY "+")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	1.69	DEC 20	.83	FEB 23	+.27	APR 17	+.24	JUN 28	2.04	AUG 28	3.09
NOV 22	1.11	JAN 25	.32	MAR 24	+.54	MAY 24	+.14	JUL 26	1.96	SEP 28	2.66

WATER YEAR 1995 HIGHEST +.54 MAR 24, 1995 LOWEST 3.09 AUG 28, 1995



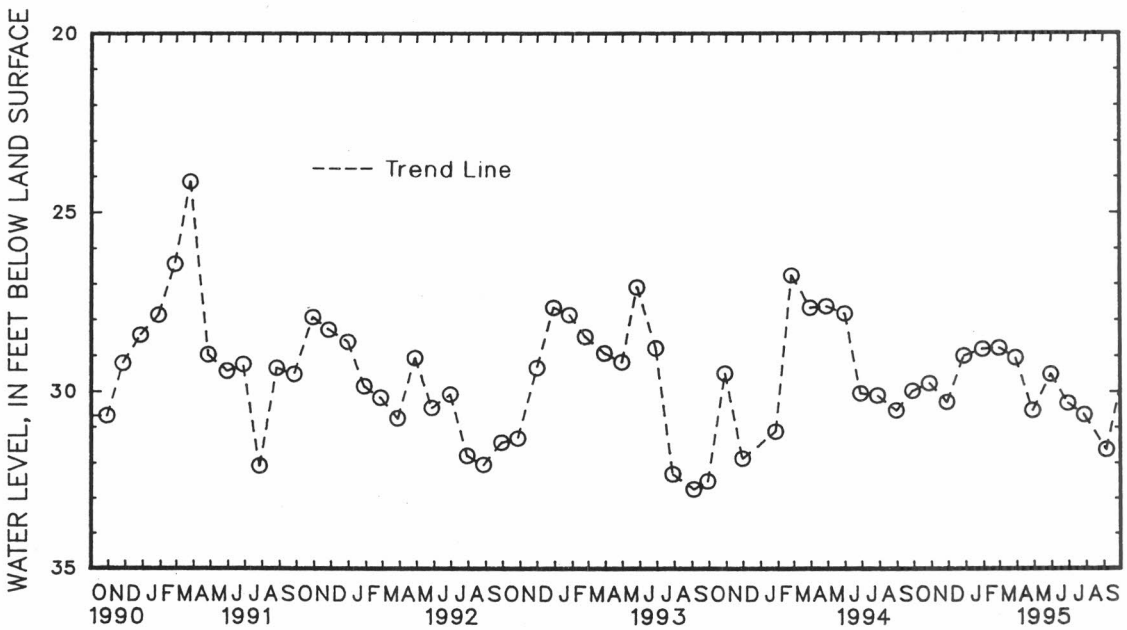
5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

WELL NUMBER.--WO Fb 2. SITE ID.--380408075335701.
LOCATION.--Lat 38°04'08", long 75°33'57", Hydrologic Unit 02060009, near 7th and Young Sts., Pocomoke City.
Owner: Pocomoke City.
AQUIFER.--Pocomoke aquifer of Upper Miocene-Pliocene age. Aquifer code: 122PCMK.
WELL CHARACTERISTICS.--Drilled, unused, artesian well, depth 130 ft; casing diameter 16 in., to 100 ft; casing diameter 10 in., to 100 ft; screen diameter 9.5 in. from 100 to 130 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape by U.S. Geological Survey personnel.
DATUM.--Elevation of land surface is 15 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of 1.5 in. casing extension, 3.40 ft above land surface.
REMARKS.--Maryland Water-Level Network observation well. Water level reported 30 ft below land surface, Oct. 3, 1947; water levels may be affected by nearby pumpage.
PERIOD OF RECORD.--January 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.61 ft below land surface, Feb. 20, 1953; lowest measured, 49.70 ft below land surface, July 1, 1954.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	29.80	DEC 28	29.02	FEB 28	28.80	APR 28	30.58	JUN 29	30.37	SEP 5	31.68
NOV 28	30.34	JAN 30	28.83	MAR 29	29.08	MAY 30	29.54	JUL 28	30.70		

WATER YEAR 1995 HIGHEST 28.80 FEB 28, 1995 LOWEST 31.68 SEP 5, 1995



5 YEAR HYDROGRAPH
OCTOBER 1, 1990 THROUGH SEPTEMBER 30, 1995

REMARK CODES

The following remark codes may appear with the water-quality data in this section:

PRINTED OUTPUT	REMARK
E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
K	Results based on colony count outside the acceptance range (non-ideal colony count).
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted).
D	Biological organism count egual to or greater than 15 percent (dominant).
&	Biological organism estimated as dominant.

Dissolved Trace-Element Concentrations

NOTE--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (ug/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the ug/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols in water year 1994. Full implementation of the protocols will take place during the 1995 water year.

Change in National Trends Network procedures

NOTE--Sample handling procedures at all national Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on a special intercomparison study, is available from the NADP/NTN Coordination Office, Colorado State University, Fort Collins, CO 80523 (Telephone: 303-491-5643).

WELL NUMBER	DATE	TIME	STATION NUMBER	GEO-LOGIC UNIT	SITE	SAM-PLING METHOD, CODES	DEPTH OF WELL, TOTAL (FEET)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)
WI Ce 200	07-18-95	1100	382443075355301	112SLBR	GW	4040	163.00	80	160

WELL NUMBER	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	FREON-113 WATER UNFLTRD REC (UG/L)	BROMO-BENZENE WATER, WHOLE, TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	BENZENE TOTAL (UG/L)	1,2,3-TRI-CHLORO BENZENE WAT, WH REC (UG/L)
WI Ce 200	28.7	1440	2000	83	5.7	<3.00	<3.00	<3.00	<3.00	<3.00

WELL NUMBER	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L)	BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L)	BENZENE SEC BUTYL-WATER UNFLTRD REC (UG/L)	BENZENE TERT-BUTYL-WATER UNFLTRD REC (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)
WI Ce 200	<3.00	<3.00	<3.00	105	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00

WELL NUMBER	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	DI-BROMO-METHANE WATER WHOLE RECOVER (UG/L)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)
WI Ce 200	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00

WELL NUMBER	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	METHANE BROMO CHLORO-WAT UNFLTRD REC (UG/L)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)
WI Ce 200	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00

WELL NUMBER	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L)	TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE WATER UNFLTRD REC (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)
WI Ce 200	<3.00	<3.00	<3.00	104	<3.00	<3.00	<1.00	<3.00	<3.00	<3.00

Geologic Unit (aquifer): 112SLBR - Salisbury aquifer

Site type: GW - Groundwater

Sampling method: 4040 - Submersible pump

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WICOMICO COUNTY, MARYLAND--Continued

WELL NUMBER	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L)	ETHANE, 1112-TETRACHLORO-WAT UNF REC (UG/L)	1,2-DIBROMOETHANE WATER WHOLE TOTAL (UG/L)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	123-TRICHLOROPROPANE WATER WHOLE TOTAL (UG/L)
WI Ce 200	<3.00	<3.00	91.0	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00

WELL NUMBER	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,3-DICHLOROPROPANE WAT. WH TOTAL (UG/L)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2,2-DICHLOROPROPANE WAT, WH TOTAL (UG/L)	DIBROMOCHLOROPROPANE WATER WHOLE TOT.REC (UG/L)	NAPHTHALENE TOTAL (UG/L)	1,1-DICHLOROPROPENE, WAT, WH TOTAL (UG/L)
WI Ce 200	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WORCESTER COUNTY, MARYLAND

WELL NUMBER	DATE	TIME	STATION NUMBER	GEO-LOGIC UNIT	SITE	SAM-PLING METHOD, CODES	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)
WO Ah 34	08-28-95	1015	382632075031901	122MNKN	GW	4040	--	450.00
WO Bf 87	06-05-95	1200	382332075141802	112BVDM	GW	4070	5.47	18.00
WO Bh 28	08-29-95	1445	382214075041901	122OCNC	GW	4040	--	294.00
WO Bh 84	08-29-95	1430	382215075041901	112CLMB	GW	4030	3.41	89.00
WO Bh 85	08-29-95	1330	382215075041902	122PCMK	GW	4030	5.22	195.00
WO Bh 88	08-31-95	1500	382041075045301	122MNKN	GW	4040	--	445.00
WO Bh 89	08-29-95	1235	382215075041903	122MNKN	GW	4040	31.83	500.00
WO Bh 93	08-31-95	1345	382304075040601	122MNKN	GW	4040	27.47	435.00
WO Bh 97	08-30-95	1500	382127075043803	122MNKN	GW	4040	24.78	445.00
WO Bh 98	08-30-95	1300	382127075043802	122OCNC	GW	4040	28.52	310.00
WO Cg 32	08-28-95	1300	381941075052201	122OCNC	GW	4040	--	280.00
WO Cg 75	08-28-95	1330	381939075052102	122MNKN	GW	4040	--	433.00

WELL NUMBER	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
WO Ah 34	350	450	5.0	100	800	772	6.5	17.0
WO Bf 87	15	18	33.0	--	--	311	5.8	14.0
WO Bh 28	249	294	5.0	1440	1500	907	6.8	17.5
WO Bh 84	84	89	5.0	180	15	375	6.7	17.0
WO Bh 85	190	195	5.0	135	10	350	6.8	17.0
WO Bh 88	362	442	8.0	120	820	578	7.3	18.5
WO Bh 89	388	500	5.0	120	18	161	6.8	18.0
WO Bh 93	335	430	4.0	90	25	976	7.1	18.0
WO Bh 97	370	440	6.0	120	18	400	6.8	18.0
WO Bh 98	255	310	5.0	90	25	438	7.5	17.5
WO Cg 32	245	280	4.0	100	600	632	7.2	18.0
WO Cg 75	350	450	5.0	100	600	642	7.0	18.5

WELL NUMBER	TEMPER-ATURE AIR (DEG C)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO3	HARD-NESS TOTAL (MG/L AS CACO3)	BROMIDE DIS-SOLVED (MG/L AS BR)	CALCIUM DIS-SOLVED (MG/L AS CA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
WO Ah 34	24.0	110	134	81	0.74	23	96	<0.10
WO Bf 87	24.5	9	--	--	--	--	--	--
WO Bh 28	27.0	135	165	110	0.68	18	190	0.20
WO Bh 84	26.0	117	143	84	0.39	17	44	<0.10
WO Bh 85	26.0	137	167	95	0.29	15	49	0.10
WO Bh 88	26.0	122	149	80	0.31	19	98	0.10
WO Bh 89	27.0	194	236	250	1.6	29	490	0.10
WO Bh 93	26.5	196	239	100	0.88	14	240	0.30
WO Bh 97	27.0	109	133	79	0.43	15	56	0.10
WO Bh 98	26.0	186	227	160	0.080	40	28	0.10
WO Cg 32	26.0	169	206	120	0.22	31	37	0.20
WO Cg 75	25.0	109	133	57	0.34	9.2	65	0.20

Geologic unit (aquifer): 112BVDM - Beaverdam Sand
112CLMB - Columbia Formation
122MNKN - Manokin Aquifer
122OCNC - Ocean City Aquifer
122PCMK - Pocomoke Aquifer

Site type: GW - Groundwater

Sampling method: 4030 - Suction pump
4040 - Submersible pump
4070 - Gas lift

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WORCESTER COUNTY, MARYLAND--Continued

WELL NUMBER	MAGNESIUM, DISSOLVED (MG/L AS MG)	POTASSIUM, DISSOLVED (MG/L AS K)	SILICA, DISSOLVED (MG/L AS SIO2)	SODIUM, DISSOLVED (MG/L AS NA)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
WO Ah 34	5.6	4.6	35	62	<0.10	307	--	0.030
WO Bf 87	--	--	--	--	--	--	--	<0.010
WO Bh 28	16	11	34	120	0.50	484	479	0.010
WO Bh 84	10	12	36	30	<0.10	223	--	<0.010
WO Bh 85	14	13	34	38	<0.10	241	--	<0.010
WO Bh 88	7.9	7.1	27	80	3.6	324	317	<0.010
WO Bh 89	42	16	34	260	5.6	1020	1000	<0.010
WO Bh 93	17	14	29	170	<0.10	608	--	0.010
WO Bh 97	10	11	35	36	<0.10	227	--	0.020
WO Bh 98	15	11	29	20	<0.10	249	--	<0.010
WO Cg 32	11	8.0	25	34	<0.10	253	--	<0.010
WO Cg 75	8.2	7.2	30	59	<0.10	250	--	<0.010

WELL NUMBER	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
WO Ah 34	--	<0.050	0.910	1.0	0.070	0.030	13000	140
WO Bf 87	12.0	12.0	0.030	--	<0.010	0.010	--	--
WO Bh 28	--	<0.050	0.790	0.90	0.040	0.040	6200	120
WO Bh 84	--	<0.050	0.420	0.50	0.250	0.240	5700	78
WO Bh 85	--	<0.050	0.290	0.40	0.180	0.160	4800	90
WO Bh 88	--	<0.050	0.100	0.30	0.140	0.120	320	48
WO Bh 89	--	<0.050	0.710	0.70	0.050	<0.010	7100	140
WO Bh 93	--	<0.050	0.520	0.60	0.170	0.140	5700	60
WO Bh 97	--	<0.050	0.610	0.80	0.130	0.020	8900	140
WO Bh 98	--	<0.050	0.260	0.50	0.120	0.110	870	37
WO Cg 32	--	<0.050	0.360	0.40	0.120	0.120	2300	90
WO Cg 75	--	<0.050	0.490	0.60	0.290	0.230	6100	170