

WATER-LEVEL HYDROGRAPHS FOR OBSERVATION
WELLS IN VIRGINIA, 1982

By Stephen Farrington, Natalie Carrington
and W. V. Daniels, Jr.

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VIRGINIA STATE WATER CONTROL BOARD

Richmond, Virginia
1984

UNITED STATES DEPARTMENT OF THE INTERIOR

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Definition of Terms

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer that is tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps (Hydrologic unit Map-1974; State of Virginia)*; each hydrologic unit is identified by an 8-digit number.

SOW is an abbreviation which stands for State Observation Well. It is used when showing the State Observation Well number.

*Hydrologic unit maps for Virginia are available at:

Distribution Branch
U.S. Geological Survey
1200 South Eads Street
Arlington, Virginia 22202
(703) 557-2781

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ABSTRACT

Water level data for 1982 are presented for 147 observation wells in Virginia. Historical data from two wells also are included. A description of each observation well is provided that gives the well location, site identification number, hydrologic unit, owner, aquifer, well characteristics, general remarks, period of record, and extreme measurements for the period of record. A hydrograph for the period of record is presented for each well. The method and frequency of water-level measurements at each well are presented in tabular format.

INTRODUCTION

This report presents data from 147 water-level observation wells located throughout the State of Virginia. Included is well HF 80, located in Murfreesboro, North Carolina. Data from this well show the trend of water levels just south of the Virginia-North Carolina border for the period of 1970 to 1982. Also included is data for a historical well, 55B 54, in Isle of Wight County, Virginia which shows the trend of water-levels in that area for the period of 1941 to 1960.

These wells were established to observe changes in water-levels with time. These changes or fluctuations in ground-water level are caused by geologic, climatic and hydrologic conditions, as well as by man induced stress. Data collected from these wells are useful in the evaluation and management of the ground-water resources of the State.

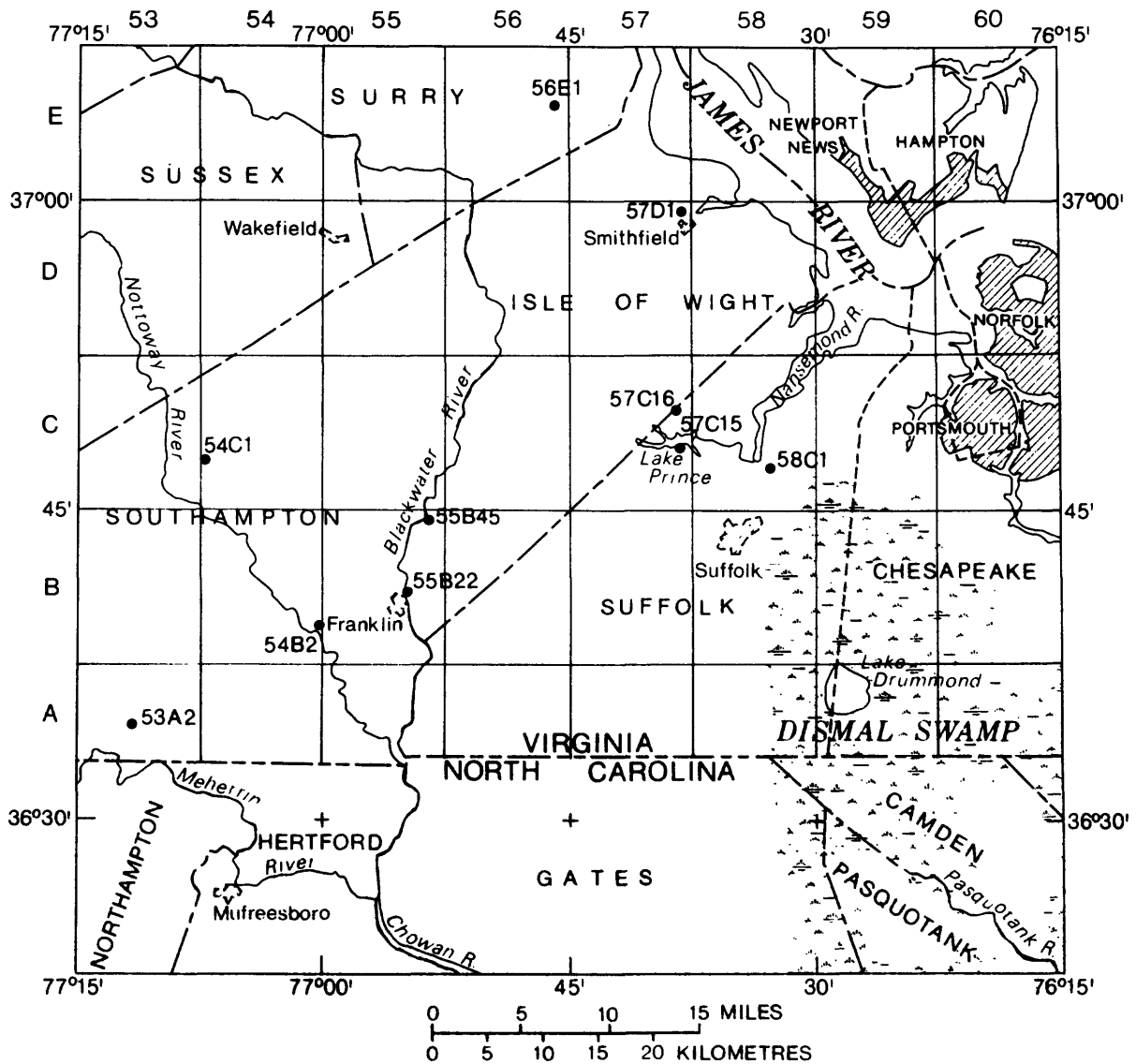
A description of each observation well and a hydrograph of water-level measurements for the period of record for each well are provided. The description for each observation well includes the location, site identification number, hydrologic unit, owner, aquifer, well characteristics, general remarks, period of record, and extreme water levels during the period of record. The hydrograph is a graphic picture of water-level data for the period of record. The table titled "Method and Frequency of Water Level Measurement in Observation Wells", identifies those water levels currently read by recorder and those water levels measured manually (Table 1). Changes in the method of water-level measurement during the period of record (if they occur), are noted in the "Remarks" section of the well description. Water levels in wells equipped with continuous recorders are reported for every fifth day. Water levels measured manually are reported either weekly, monthly, bimonthly, or annually. Data presented in this report represent that part of the National Water Data System collected by the United States Geological Survey in cooperation with other state and federal agencies in Virginia and are available through the automated data system WATSTORE (Water Data Storage and Retrieval System).

Well-Numbering Systems

The well numbering system used by the Geological Survey is based on the grid system of latitude and longitude. The station identification (ID) number consists of 15 digits. The first six denote degrees, minutes, and seconds of the latitude; and the next seven denote degrees, minutes, and seconds of the longitude of a point designated to be the location of the site; the last two digits are assigned

sequentially to identify the wells within a 1-second grid. In the rare occasion where the initial latitude and longitude is in error, the station ID will remain as assigned, however, the right latitude and longitude will appear in the section describing the location of the well.

The local well-numbering system used by the Virginia Office of the Geological Survey is based on the Index to Topographic Maps of Virginia. The 7 1/2-minute quadrangles are numbered 1 through 69 from west to east beginning at longitude 83°45', and are lettered A through Z (omitting letters I and O) from south to north, beginning at latitude 36°30'. Wells are numbered sequentially within each 7 1/2-minute quadrangle. For example, well 54C1 and well 54C2 are in the 54C quadrangle. Well 54C1 was inventoried first and well 54C2 was inventoried second (see figure 1).



EXPLANATION

55B22
●
Observation well and
well number

54C
Numbers and letters in margin
refer to well-numbering system

Figure 1.--Well-Numbering System

Description of Hydrographs and Land-Surface Datum

Hydrographs in this report depict changes in ground-water level with time. Dashed lines indicate no water-level data are available for 6 months or more. All water levels are plotted in reference to land-surface datum (lsd). Where known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 is given in the well description. National Geodetic Vertical Datum of 1929 (NGVD of 1929): A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Mean Sea Level." NGVD of 1929 is referred to as sea level in this report. The measuring point (MP) above or below land-surface datum for each well also is given in the well descriptions.

Acknowledgements

Since 1931 the U.S. Geological Survey in cooperation with the Virginia State Water Control Board, have systematically collected ground-water levels throughout the State. A large percentage of the data presented in this report was collected during these cooperative studies. Other organizations supplying data for this report are acknowledged in the remarks section under well descriptions.

OBSERVATION WELLS, BY COUNTY OR INDEPENDENT CITY

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Accomack

67M2 11

Albemarle

43N1 12

Appomattox

40G1 13

41H2 14

Arlington

53V1 15

54V3 16

Buckingham

41H1 17

41H3 18

41H4 19

Caroline

52N5 20

52N6 21

Charles City

54G11 22

54G13 23

City of Chesapeake

60B3 24

60B4 25

City of Colonial Heights

51G1 26

Essex

55L1 27

Fairfax

52U4 28

52V2 29

City of Franklin

55B22 30

Gloucester

58F14 31

OBSERVATION WELLS, BY COUNTY OR INDEPENDENT CITY

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Halifax

39C1 32

City of Hopewell

52G1 33

Isle of Wight

55B16 34

55B25 35

55B35 36

55B43 37

55B45 38

55B54 39

56B2 40

56B5 41

56C1 42

57C8 43

57C11 44

57D1 45

James City

56F1 46

King George

54R2 47

King and Queen

54L5 48

56J11 49

57J3 50

King William

56J1 51

56J18 52

Lancaster

59K1 53

59K9 54

59L3 55

Loudoun

49Y1 56

50W4C 57

Louisa

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45N4 59

OBSERVATION WELLS, BY COUNTY OR INDEPENDENT CITY

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46N1	62

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59H1	63
----------------	----

Middlesex

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58K7	65
59J3	66

Montgomery

27F2	67
----------------	----

Nelson

39K1	68
----------------	----

City of Newport News

58F1	69
----------------	----

New Kent

55H1	70
----------------	----

City of Norfolk

61C1	71
61C2	72
61C3	73

Orange

45P1	74
----------------	----

Prince William

49U1	75
49V1	76
51S7	77
52S4	78
52S5	79

Pulaski

25E2	80
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Richmond

56M6	81
56M7	82

OBSERVATION WELLS, BY COUNTY OR INDEPENDENT CITY

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Roanoke

31G1 83

Rockbridge

35K1 84

Rockingham

41Q1 85

Southampton

51B1 86

51B3 87

52A1 88

53B1 89

53B4 90

54A1 91

54B1 92

54B5 93

54B12 94

54B18 95

54B20 96

54B24 97

54B25 98

54B26 99

54C1 100

54C2 101

54C4 102

55A1 103

55A3 104

55B40 105

55B49 106

55B51 107

55C1 108

55C3 109

55C6 110

55C10 111

55D5 112

City of Suffolk

56A1 113

56A9 114

56A10 115

56A11 116

56A12 117

56A13 118

56A14 119

56B4 120

OBSERVATION WELLS, BY COUNTY OR INDEPENDENT CITY

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City of Suffolk (cont.)

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57B1	123
57B8	124
57B9	125
57C12	126
58A1	127
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58A23	129
58B1	130
58B13	131
58B14	132
58B15	133
58B48	134
58B114	135
58B235	136
58C2	137
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Surry

56E1	139
56F2	140
57F1	141
57F6	142
57F16	143
57F24	144

Sussex

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53D3	146
53E5	147

City of Va Beach

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Westmoreland

55P5	149
55P9	150
55Q2	151
56N1	152
56N6	153

York

57G2	154
57G17	155
57G19	156

Murfresboro, NC

HF80	157
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ACCOMACK COUNTY

375622075280101. Local number, 67M2.

LOCATION.--Lat 37°56'23", long 75°28'02", Hydrologic Unit 02060010, Wallops Flight Center well B31. Owner: National Aeronautics and Space Administration (formerly U.S. Naval Air Station, Wallops Island).

AQUIFER.--Columbia group sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 8 in (200 mm), depth 60 ft (18.3 m), screen depth unknown.

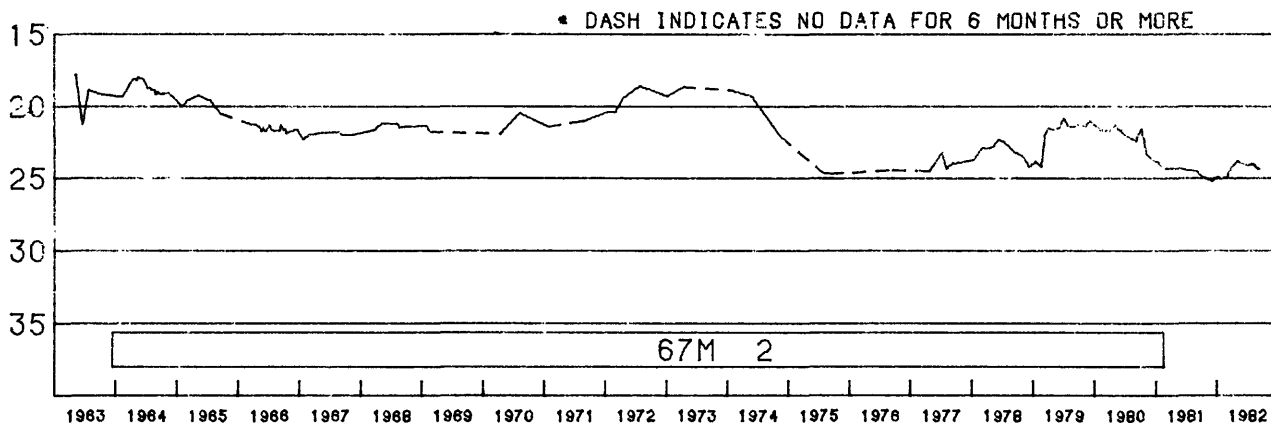
DATUM.--Altitude of land-surface datum is 35 ft (11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.38 ft (0.42 m) above land-surface datum. Measuring point reported as 6.09 ft (1.86 m) above land-surface datum from 1963 to 1975. All water levels prior to 1975 should be 4.71 ft (1.44 m) lower than shown.

REMARKS.--Records furnished by the National Aeronautics and Space Administration.

PERIOD OF RECORD.--1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.82 ft (5.43 m) below land-surface datum, May 9, 1963; lowest measured, 25.22 ft (7.69 m) below land-surface datum, Dec. 1, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



ALBEMARLE COUNTY

380333078264801. Local number, 43N1.

LOCATION.--Lat 38°03'33", long 78°26'48", Hydrologic Unit 02080204, at Key West Subdivision, Charlottesville. Owner: Key West Development Corporation.

AQUIFER.--Lynchburg formation of Precambrian age.

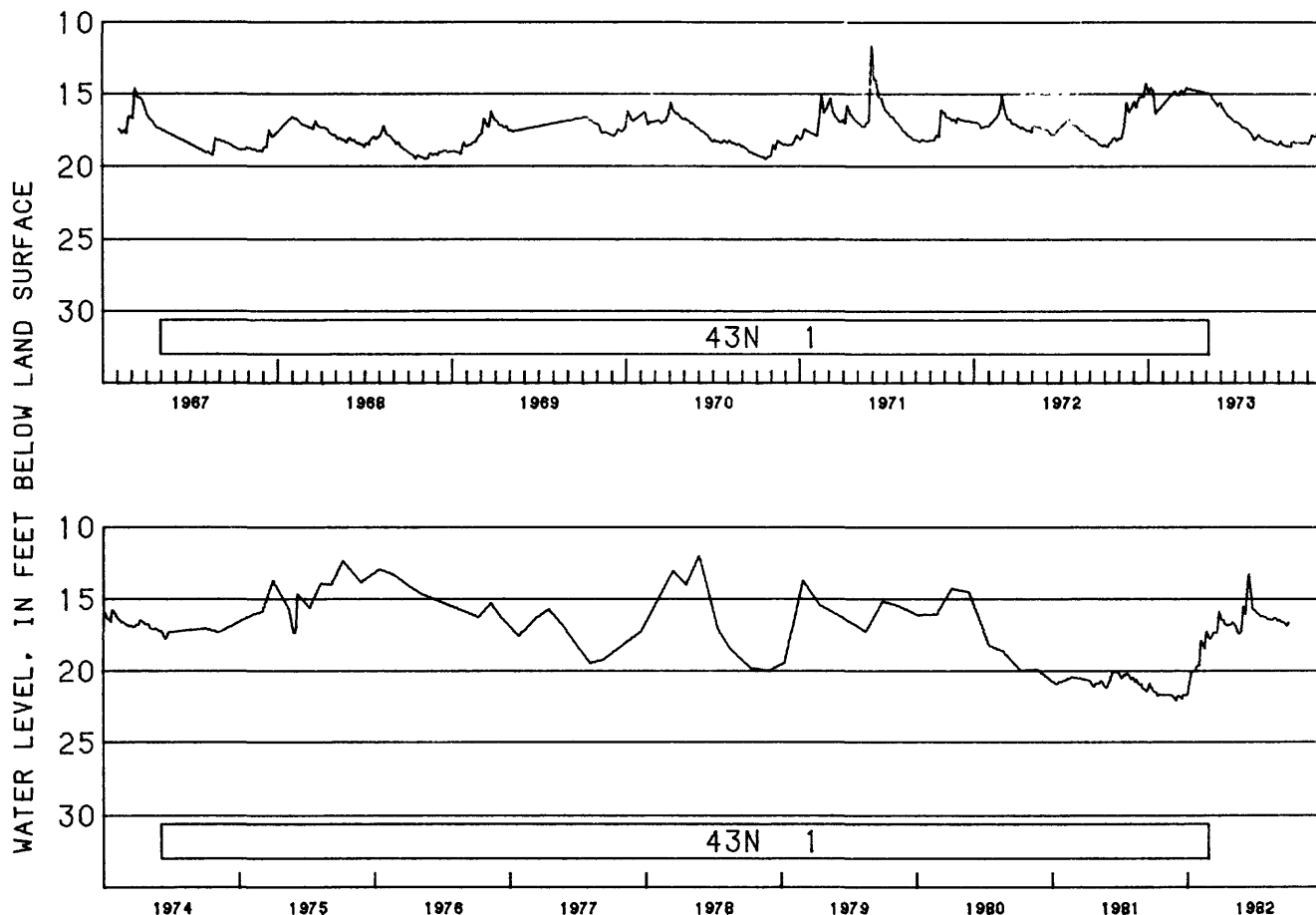
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 409 ft (124.7 m), cased to 52 ft (15.8 m), open hole 52 to 409 ft (15.8 to 124.7 m).

DATUM.--Altitude of land-surface datum is 345 ft (105 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.3 ft (0.1 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as observation well 28.

PERIOD OF RECORD.--1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.58 ft (3.53 m) below land-surface datum, May 31, 1971; lowest measured, 22.10 ft (6.74 m) below land-surface datum, Nov. 30, 1981.



APPOMATTOX COUNTY

372133078493701. Local number, 40G1.

LOCATION.--Lat 37°21'33", long 78°49'37", Hydrologic Unit 02080207, in the town of Appomattox. Owner: Town of Appomattox.

AQUIFER.--Schist of uncertain age.

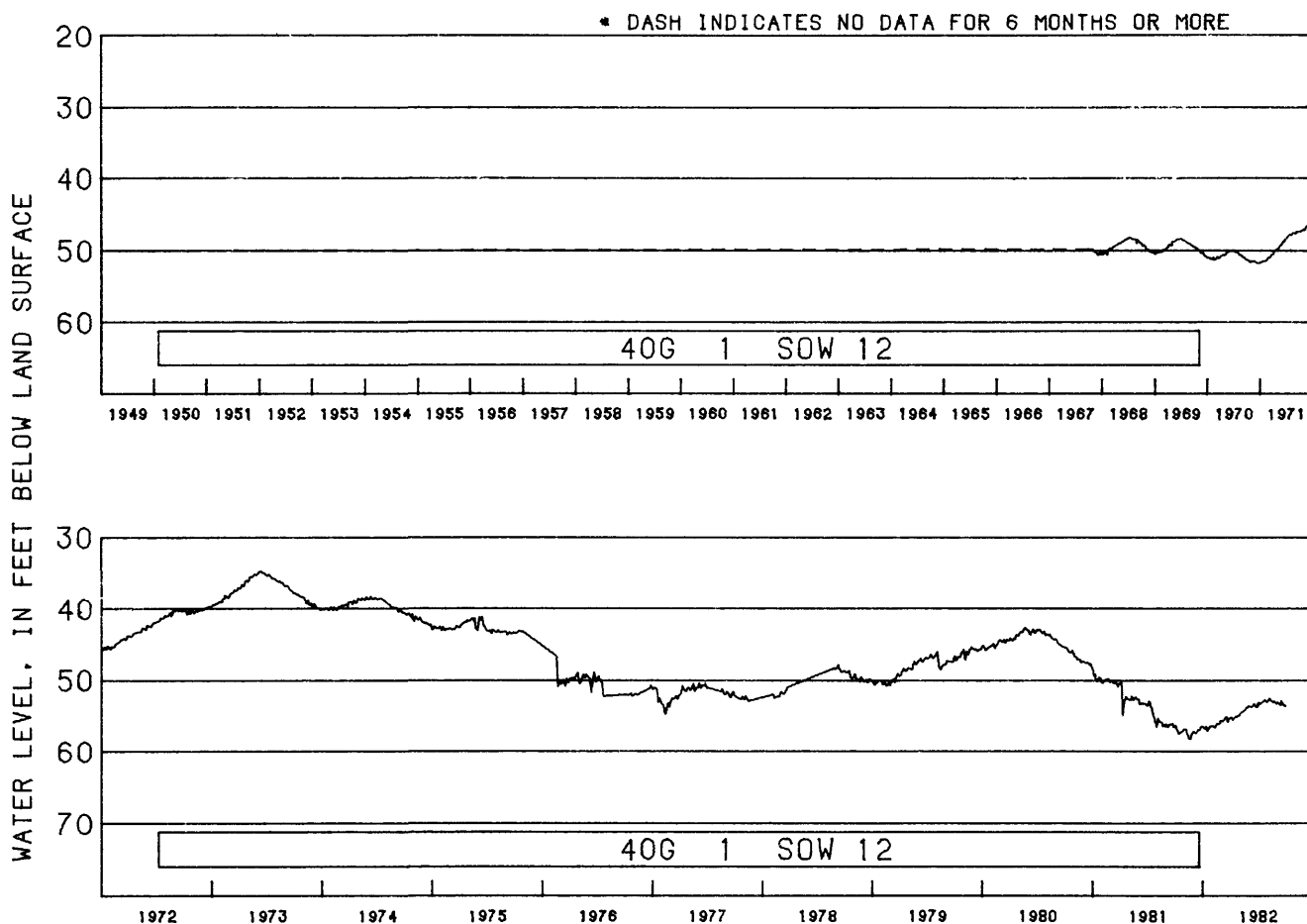
WELL CHARACTERISTICS.--Drilled unused water well, diameter 8 in (200 mm), depth 288 ft (87.8 m), cased to 40 ft (12.2 m), open hole 40 to 288 ft (12.2 to 87.8 m).

DATUM.--Altitude of land-surface datum is 860 ft (262 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft (0.3 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 12.

PERIOD OF RECORD.--1949, 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 34.78 ft (10.60 m) below land-surface datum, June 13, 1973; lowest measured, 58.21 ft (17.74 m) below land-surface datum, Nov. 17, 18, 1981.



APPOMATTOX COUNTY

372514078394301. Local number, 41H2.

LOCATION.--Lat 37°25'14", long 78°39'43", Hydrologic Unit 02080207, 1 mi (1.6 km) south of intersection of State Route 636 on the east side of State Route 640. Owner: U.S. Geological Survey.

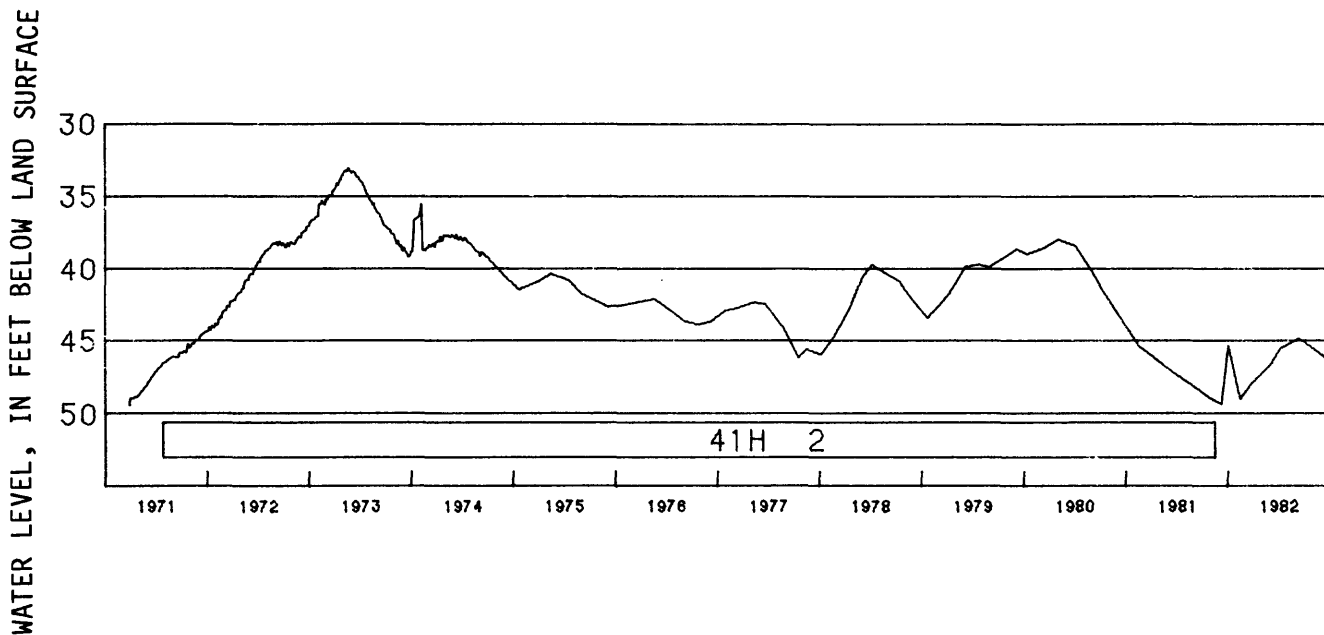
AQUIFER.--Candler formation of Paleozoic age.

WELL CHARACTERISTICS.--Augered observation water well, diameter 3 in (80 mm) to 68 ft (20.7 m), 1.25 in (32 mm) 68 to 73 ft (20.7 to 22.3 m), depth 73 ft (22.3 m), screened 68 to 73 ft (20.7 to 22.3 m).

DATUM.--Altitude of land-surface datum is 640 ft (195 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.99 ft (10.06 m) below land-surface datum, May 20, 1973; lowest measured, 49.41 ft (15.06 m) below land-surface datum, Mar. 30, 1971.



ARLINGTON COUNTY

385346077073701. Local number, 53V1.

LOCATION.--Lat 38°53'46", long 77°07'37", Hydrologic Unit 02070010, at Langston School, 4854 Lee Highway, Arlington.

Owner: Arlington County School Board.

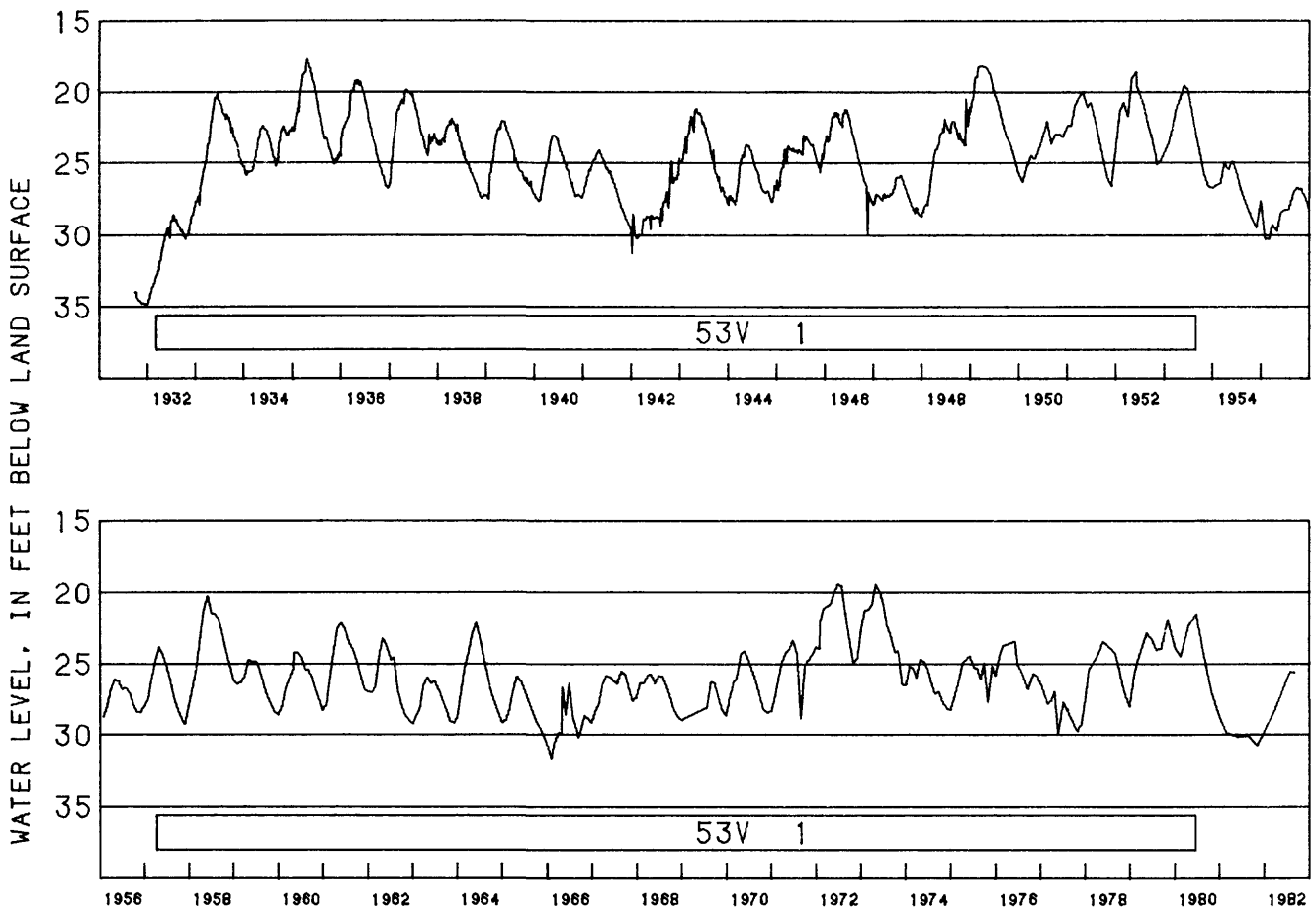
AQUIFER.--Brandywine formation of Pleistocene age and Bryn Mawr (?) gravel of Pliocene (?) age, overlying the Sykesville formation of Precambrian age.

WELL CHARACTERISTICS.--Dug unused water well, diameter 24 in (600 mm), depth 35 ft (10.7 m), terracotta casing.

DATUM.--Altitude of land-surface datum is 410 ft (125 m) National Geodetic Vertical Datum of 1929. Measuring point: Inner flange of manhole at land-surface datum.

PERIOD OF RECORD.--1931 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.74 ft (5.41 m) below land-surface datum, Apr. 20, 1935; lowest measured, 34.81 ft (10.61 m) below land-surface datum, Dec. 5, 1931.



ARLINGTON COUNTY

385253077042301. Local number, 54V3.

LOCATION.--Lat 38°52'53", long 77°04'23", Hydrologic Unit 02070010, at Arlington National Cemetery. Owner: NPS National Capitol Parks.

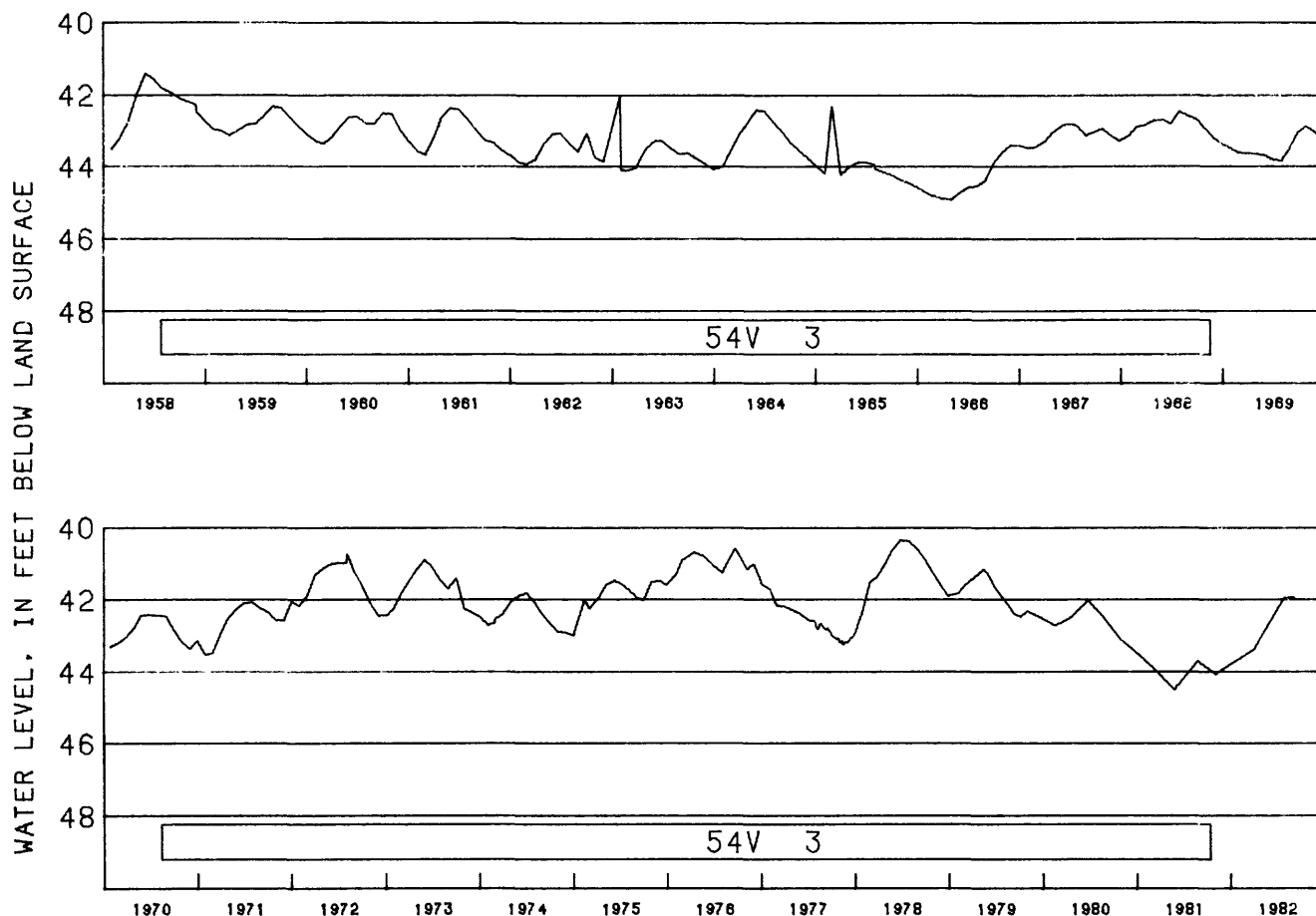
AQUIFER.--Terrace gravels of Holocene age and sand of Early Cretaceous age.

WELL CHARACTERISTICS.--Dug unused water well, diameter 48 in (1,200 mm), depth 50 ft (15.2 m).

DATUM.--Altitude of land-surface datum is 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of brick and stone casing, 3 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.34 ft (12.30 m) below land-surface datum, June 26, 1978; lowest measured, 44.90 ft (13.69 m) below land-surface datum, May 4, 1966.



BUCKINGHAM COUNTY

372541078392101. Local number, 41H1.

LOCATION.--Lat 37°25'41", long 78°39'21", Hydrologic Unit 02080207, 0.4 mi (0.7 km) southeast of State Route 636.

Owner: U.S. Geological Survey.

AQUIFER.--Candler formation of Paleozoic age.

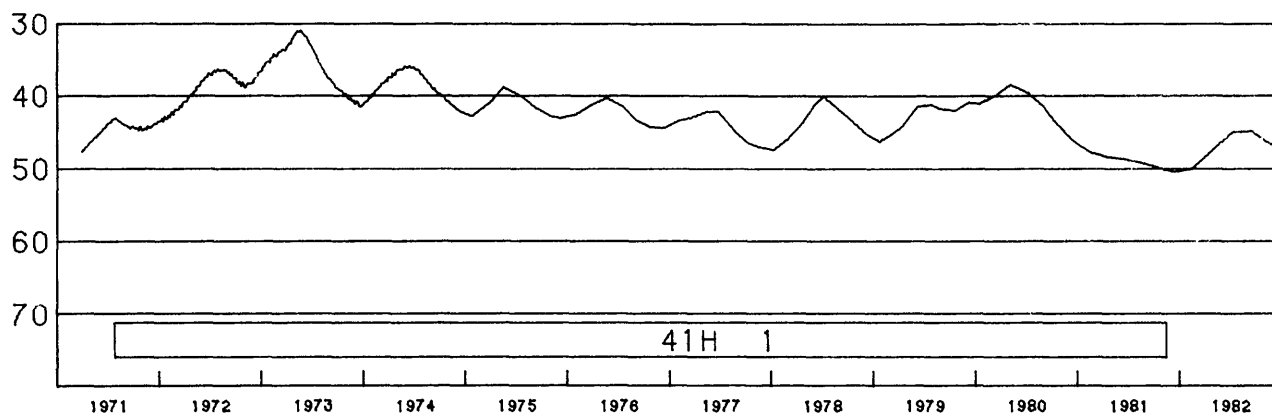
WELL CHARACTERISTICS.--Augered observation water well, diameter 3 in (80 mm) to 83 ft (25.3 m), diameter 1.25 in (32 mm) 83 to 88 ft (25.3 to 26.8 m), depth 88 ft (26.8 m), screened 83 to 88 ft (25.3 to 26.8 m).

DATUM.--Altitude of land-surface datum is 660 ft (201 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.95 ft (9.43 m) below land-surface datum, May 20, 1973; lowest measured, 50.41 ft (15.36 m) below land-surface datum, Dec. 8, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



BUCKINGHAM COUNTY

372608078404601. Local number, 41H3.

LOCATION.--Lat 37°26'08", long 78°40'46", Hydrologic Unit 02080207, 0.8 mi (1.4 km) west of Ranger Headquarters on south side of dirt road intersecting State Route 636. Owner: U.S. Geological Survey.

AQUIFER.--Candler formation of Paleozoic age.

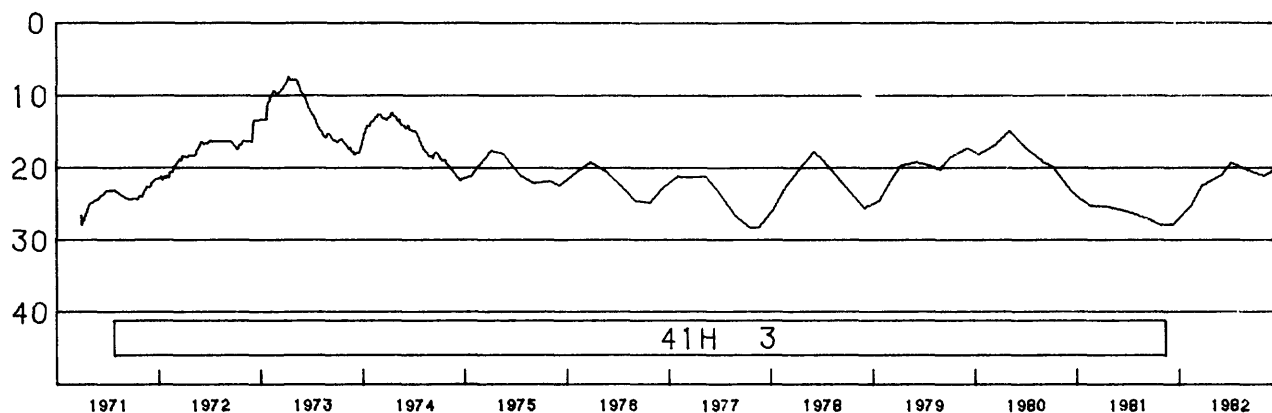
WELL CHARACTERISTICS.--Augered observation water well, diameter 3 in (80 mm) to 49 ft (14.9 m), diameter 1.25 in (32 mm) 49 to 54 ft (14.9 to 16.5 m), depth 54 ft (16.5 m), screened 40 to 54 ft (14.9 to 16.5 m).

DATUM.--Altitude of land-surface datum is 683.8 ft (208.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.3 ft (0.4 m) above land-surface datum.

PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.31 ft (2.23 m) below land-surface datum, Apr. 12, 1973; lowest measured, 28.30 ft (8.62 m) below land-surface datum, Oct. 17, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE



BUCKINGHAM COUNTY

372519078374001. Local number, 41H4.

LOCATION.--Lat 37°25'19", long 78°37'40", Hydrologic Unit 02080207, 0.6 mi (1.0 km) northeast of Holiday Creek and 0.8 mi (1.4 km) southeast of State Route 636 on State Route 614. Owner: U.S. Geological Survey.

AQUIFER.--Candler formation of Paleozoic age.

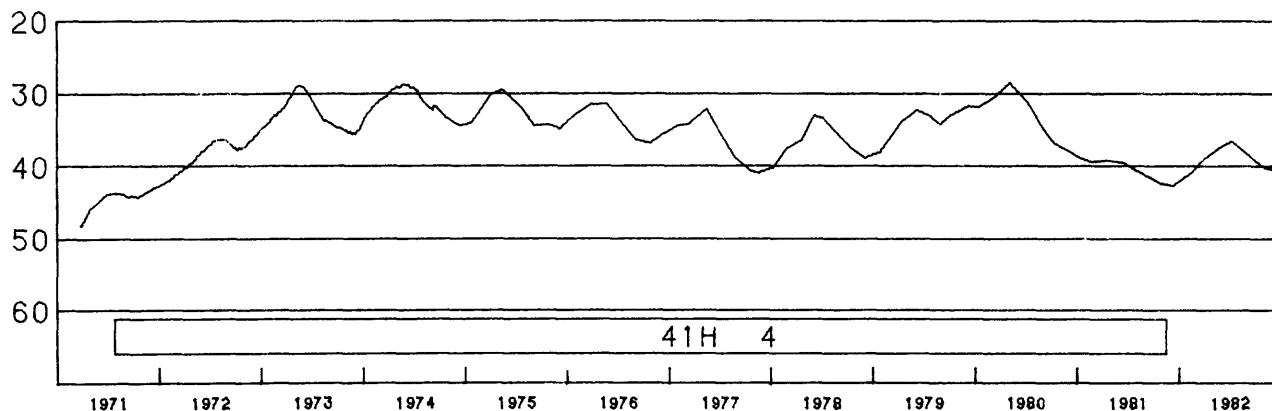
WELL CHARACTERISTICS.--Augered observation water well, diameter 3 in (80 mm) to 72 ft (22 m), diameter 1.25 in (32 mm) 72 to 77 ft (22.0 to 23.5 m), depth 77 ft (23.5 m), screened 72 to 77 ft (22.0 to 23.5 m).

DATUM.--Altitude of land-surface datum is 647 ft (197 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.45 ft (8.67 m) below land-surface datum, May 1, 1980; lowest measured, 44.29 ft (13.50 m) below land-surface datum, Oct. 20, 21, 1971.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CAROLINE COUNTY

380624077172801. Local number, 52N5.

LOCATION.--Lat 38°06'24", long 77°17'28", Hydrologic Unit 02080104, 1.0 mi (1.6 km) north of U.S. Highway 301 at Howards Corner, Camp Wilcox. Owner: A. P. Hill Military Reservation.

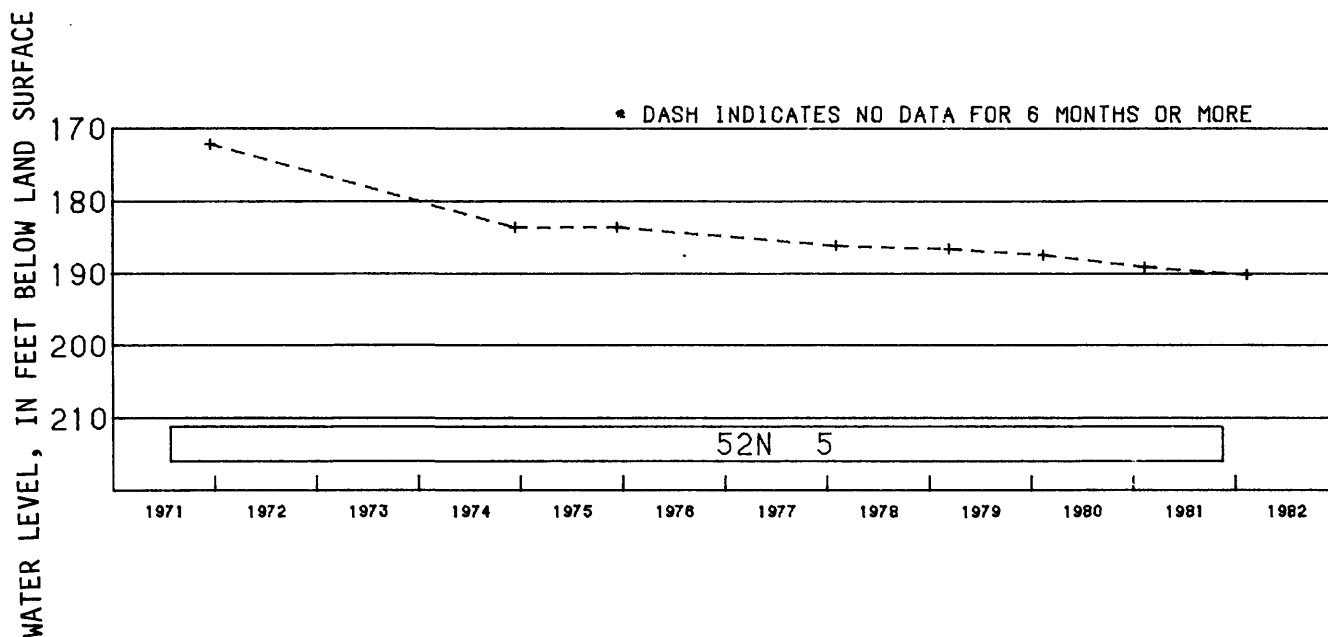
AQUIFER.--Sand and clay of Palocene age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 6 in (150 mm) to 468 ft (142.6 m), depth 524 ft (159.7 m), screened, diameter 4 in (100 mm) from 468 to 501 ft (142.6 to 152.7 m), open hole 501 to 524 ft (152.7 to 159.7 m).

DATUM.--Altitude of land-surface datum is 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal, 2.0 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--1971, 1974, 1975, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 172.20 ft (52.49 m) below land-surface datum Dec. 16, 1971; lowest measured, 190.20 ft (57.97 m) below land-surface datum, Feb. 10, 1982.



CAROLINE COUNTY

380415077194101. Local number, 52N6.

LOCATION.--Lat 38°04'15", long 77°19'41", Hydrologic Unit 02080105, at A. P. Hill Military Reservation Headquarters on U.S. Highway 301. Owner: A. P. Hill Military Reservation.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

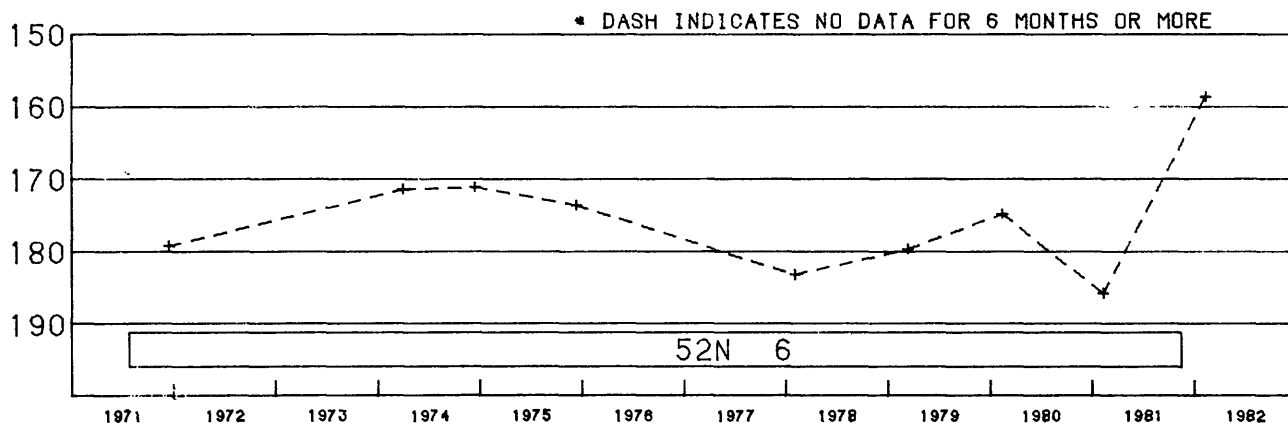
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 6 in (150 mm) to 480 ft (146.3 m), diameter 3 in (80 mm) from 446 to 500 ft (135.9 to 152.4 m), depth 500 ft (152.4 m), screened 488 to 498 ft (148.7 to 151.8 m).

DATUM.--Altitude of land-surface datum is 214 ft (65.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--1971, 1974, 1975, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 158.65 ft (48.36 m) below land-surface datum, Feb. 10, 1982; lowest measured, 185.78 ft (56.63 m) below land-surface datum, Feb. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CHARLES CITY COUNTY

371956077055203. Local number, 54G11.

LOCATION.--Lat 37°19'56", long 77°05'52", Hydrologic Unit 02080206, 0.6 mi (1.0 km) east of Bowens Store on State Route 5 near Charles City. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 6 in (150 mm), depth 540 ft (164.6 m), screened 290 to 310 ft (88.4 to 94.5 m), 404 to 424 ft (123.1 to 129.2 m), 486 to 496 ft (148.1 to 151.2 m), 510 to 530 ft (151.8 to 161.5).

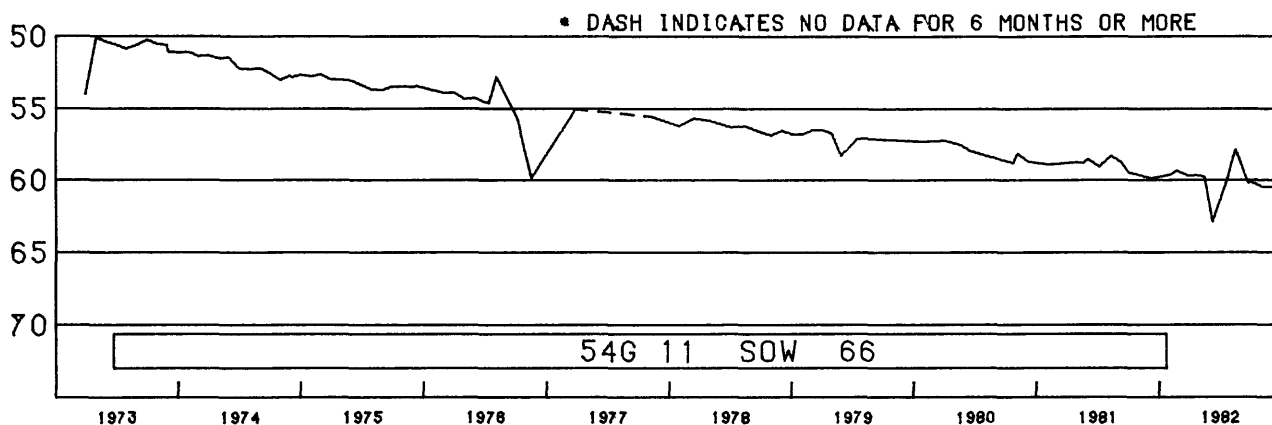
DATUM.--Altitude of land-surface datum is 54 ft (16 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.0 ft (0.6 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as observation well 66.

PERIOD OF RECORD.--1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.61 ft (15.43 m) below land-surface datum, Nov. 30, 1973; lowest measured, 62.90 ft (19.17 m) below land-surface datum, June 8, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CHARLES CITY COUNTY

371956076055101. Local number, 54G13.

LOCATION.--Lat 37°19'56", long 77°05'51", Hydrologic Unit 02080206, 0.6 mi (1.0 km) east of Bowens Store on State Route 5 near Charles City. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 2 in (50 mm), depth 227 ft (69.2 m), screened, 222 to 227 ft (67.7 to 69.2 m).

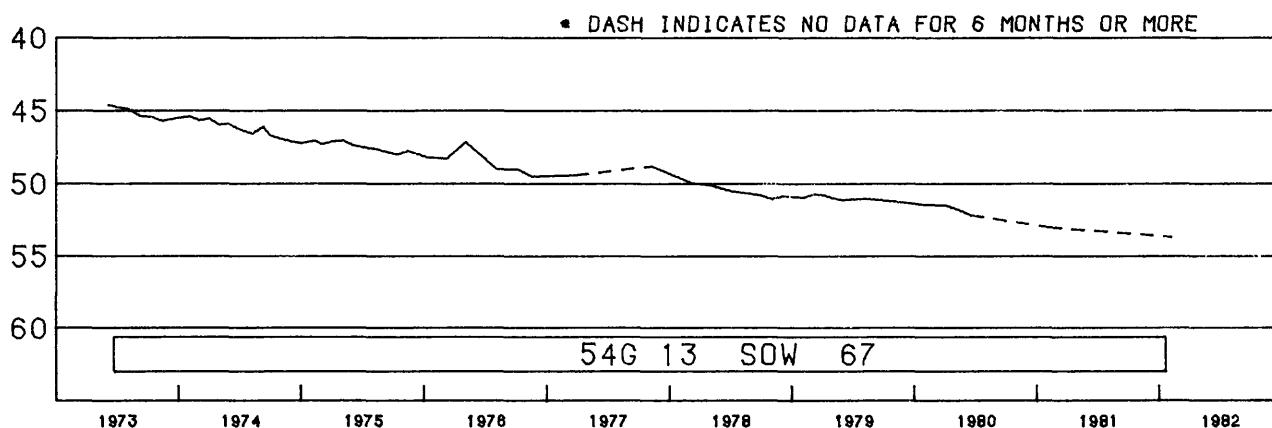
DATUM.--Altitude of land-surface datum is 35.0 ft (10.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft (0.7 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as observation well 67.

PERIOD OF RECORD.--1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.63 ft (13.60 m) below land-surface datum, June 7, 1973; lowest measured, 53.65 ft (16.35 m) below land-surface datum, Feb. 5, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF CHESAPEAKE

363836076201701. Local number, 60B3.

LOCATION.--Lat 36°38'36", long 76°20'17", Hydrologic Unit 03010205, 1.5 mi (2.4 km) north of Cornland on West Road.

Owner: Virginia State Water Control Board.

AQUIFER.--Sand of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (100 mm), depth 855 ft (260.6 m), screened, 824 to 834 ft (251.2 to 254.2 m).

DATUM.--Altitude of land-surface datum is 16.0 ft (4.9 m)

National Geodetic Vertical Datum of 1929. Measuring point:

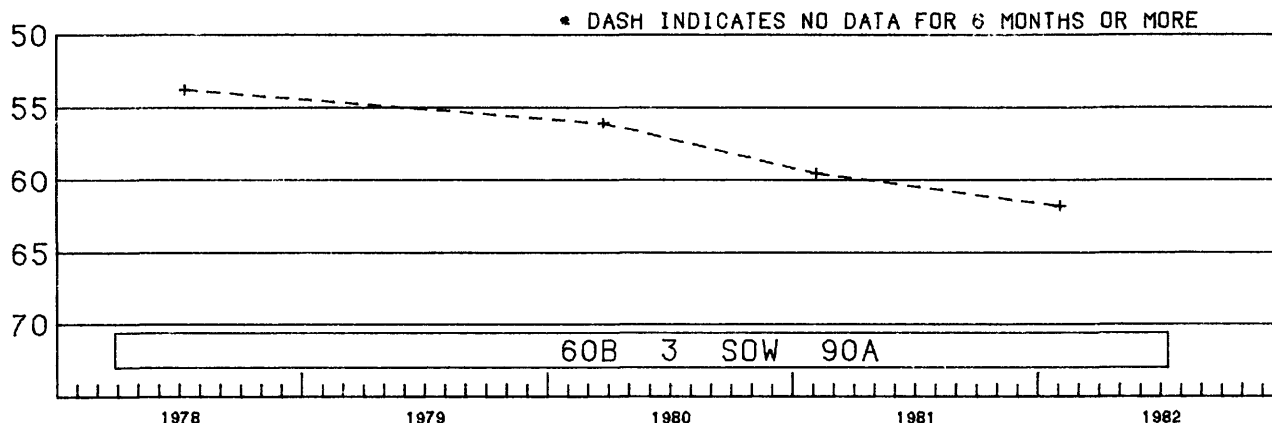
1.92 ft (0.59 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as observation well 90A.

PERIOD OF RECORD.--1978, 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.80 ft (16.40 m) below land-surface datum, July 11, 1978; lowest measured, 61.79 ft (18.84 m) below land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF CHESAPEAKE

363836076201702. Local number, 60B4.

LOCATION.--Lat 36°38'36", long 76°20'17", Hydrologic Unit 03010205, 1.5 mi (2.4 km) north of Cornland, on West Road.

Owner: Virginia State Water Control Board.

AQUIFER.--Sand of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm), depth 556 ft (169.5 m), screened 525 to 535 ft (160.0 to 163.1 m).

DATUM.--Altitude of land-surface datum is 16.0 ft (4.9 m)

National Geodetic Vertical Datum of 1929. Measuring point:

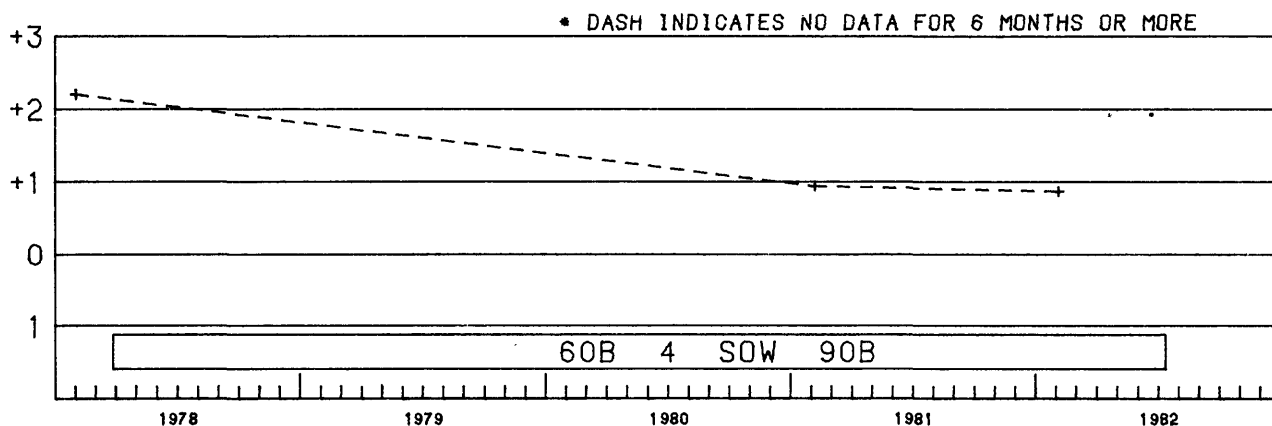
Top of casing, 2.50 ft (0.76 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as observation well 90B.

PERIOD OF RECORD.--1978, 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.20 ft (0.67 m) above land-surface datum, Feb. 1, 1978; lowest measured, 0.87 ft (0.27 m) above land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF COLONIAL HEIGHTS

371644077244601. Local number, 51G1.

LOCATION.--Lat 37°16'44", long 77°24'46", Hydrologic Unit 02080207, at Matoaka Manor, Colonial Heights. Owner: Kenneth Daul.

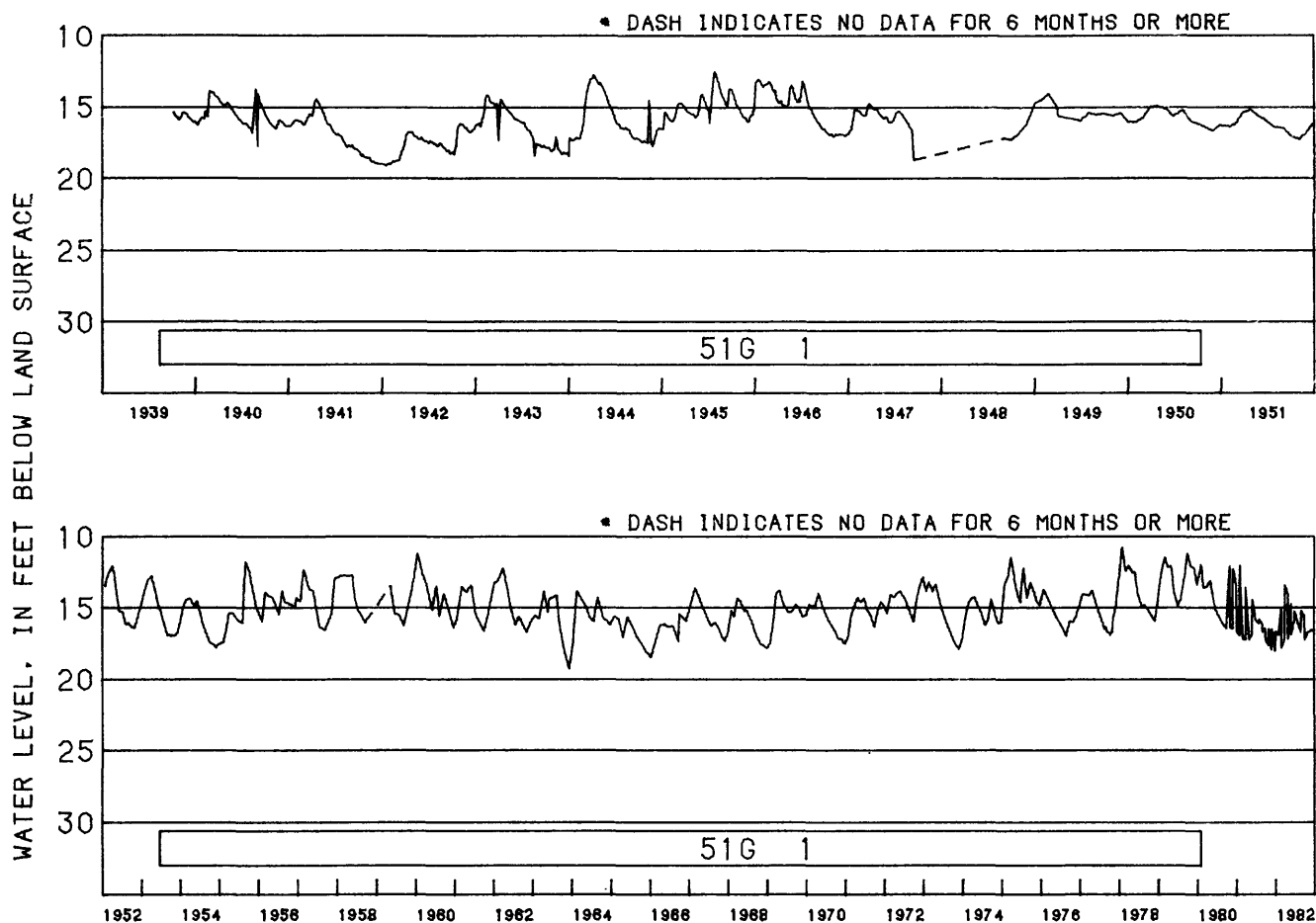
AQUIFER.--Petersburg granite of Late Paleozoic age.

WELL CHARACTERISTICS.--Drilled water well, diameter 6 in (150 mm), depth 100 ft (30.5 m), cased to 50 ft (15.2 m), open hole 50 to 100 ft (15.2 to 30.5 m).

DATUM.--Altitude of land-surface datum is 57.30 ft (17.47 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.73 ft (3.27 m) below land-surface datum, Jan. 26, 1978; lowest measured, 19.26 ft (5.87 m) below land-surface datum, Dec. 3, 1963.



ESSEX COUNTY

375032076583201. Local number, 55L1.

LOCATION.--Lat 37°50'32", long 76°58'32", Hydrologic Unit 02080104, 0.5 mi (0.8 km) northeast on State Route 621, near Minor. Owner: Edward W. Hale.

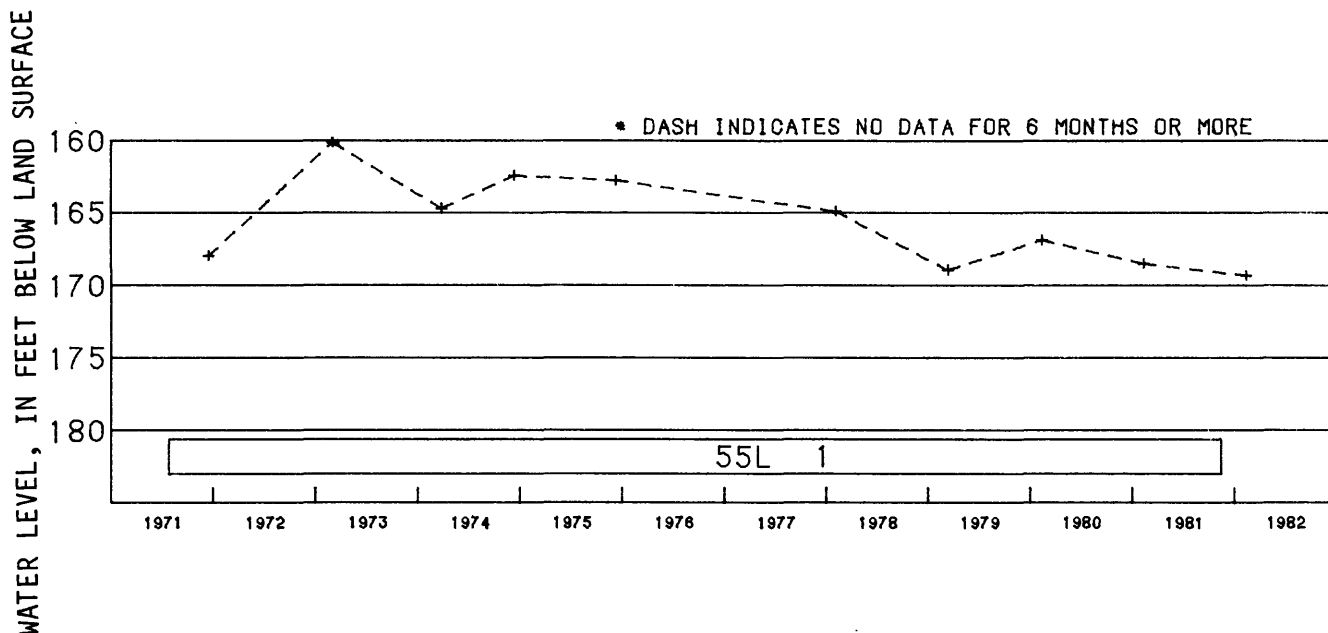
AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 210 ft (64.0 m), diameter 2 in (50 mm) to 621 ft (189.3 m), depth 621 ft (189.3 m), screened 575 to 585 ft (175.3 to 178.3 m), 615 to 621 ft (187.5 to 189.3 m).

DATUM.--Altitude of land-surface datum is 162 ft (49 m) National Geodetic Vertical Datum of 1929. Measuring point: At land-surface datum.

PERIOD OF RECORD.--1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.14 ft (48.81 m) below land-surface datum Mar. 1, 1973; lowest measured, 169.33 ft (51.61 m) below land-surface datum, Feb. 11, 1982.



FAIRFAX COUNTY

384518077163501. Local number, 52U4.

LOCATION.--Lat 38°45'18", long 77°16'35", Hydrologic Unit 02070010, east of intersection of State Routes 641 and 643, Springfield. Owner: Sydenstricker Church.

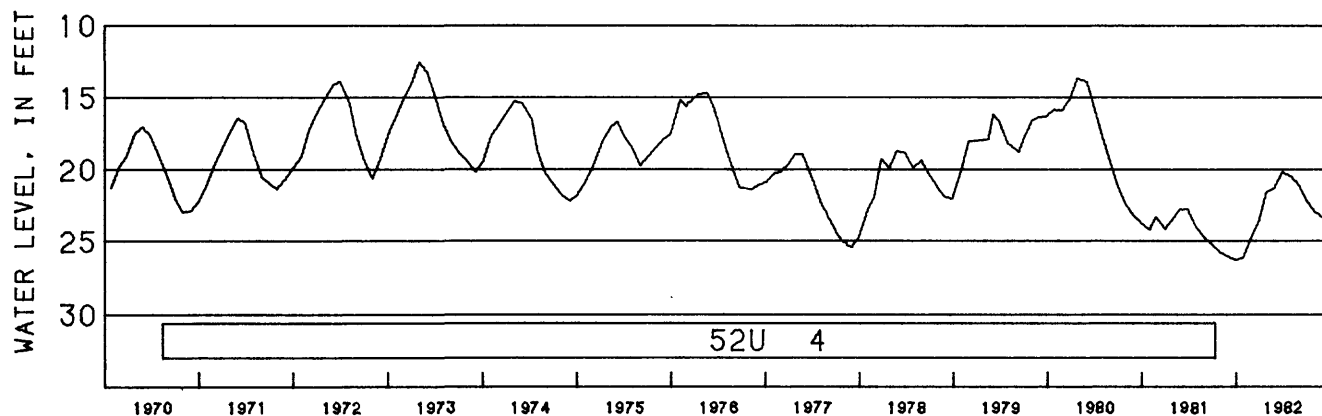
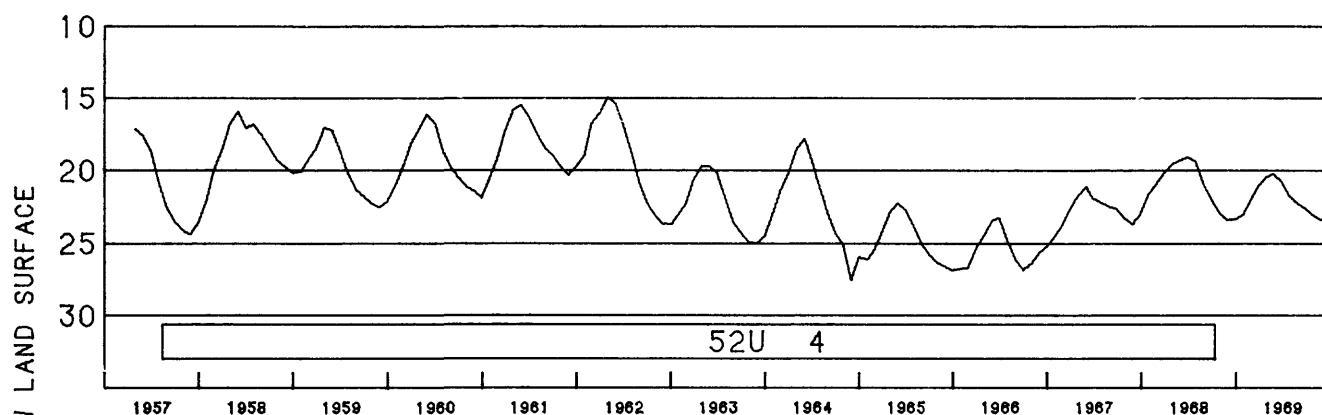
AQUIFER.--Weathered granite of Paleozoic and (or) Precambrian age.

WELL CHARACTERISTICS.--Dug unused water well, diameter 24 in (600 mm), depth 28 ft (8.5 m).

DATUM.--Altitude of land-surface datum is 340 ft (104 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in cement platform, 0.67 ft (0.20 m) above land-surface datum.

PERIOD OF RECORD.--1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.54 ft (3.82 m) below land-surface datum, Apr. 30, 1973; lowest measured, 27.57 ft (8.40 m) below land-surface datum, Nov. 30, 1964.



FAIRFAX COUNTY

385638077220101. Local number, 52V2.

LOCATION.--Lat 38°56'58", long 77°22'01", Hydrologic Unit
02070008, at U.S. Geological Survey, National Center, Reston.
Owner: U.S. Geological Survey.

AQUIFER.--Manassas sandstone of Triassic age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter
8 in (200 mm), depth 205 ft (62 m), cased to 35 ft (11 m), open
hole 35 to 205 ft (11 to 62 m).

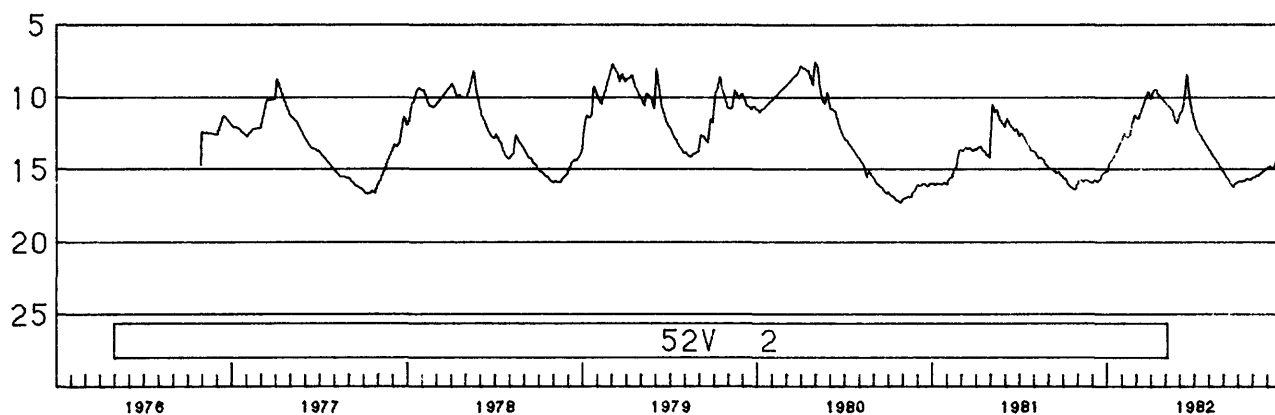
DATUM.--Altitude of land-surface datum is 390 ft (119 m) National
Geodetic Vertical Datum of 1929. Measuring point: Top of
casing, 2.0 ft (0.6 m) above land-surface datum.

REMARKS.--Manual measurements through Sept. 30, 1977; recorder
installed Oct. 1, 1977.

PERIOD OF RECORD.--1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded,
7.48 ft (2.28 m) below land-surface datum, Apr. 30, May 1,
1980; lowest recorded, 17.30 ft (5.27 m) below land-surface
datum, Oct. 24, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF FRANKLIN

364047076552401. Local number, 55B22.

LOCATION.--Lat 36°40'47", long 76°55'24", Hydrologic Unit 03010202, at 5th Avenue and Middle Street, Franklin. Owner: City of Franklin.

AQUIFER.--Sand of undifferentiated Cretaceous age.

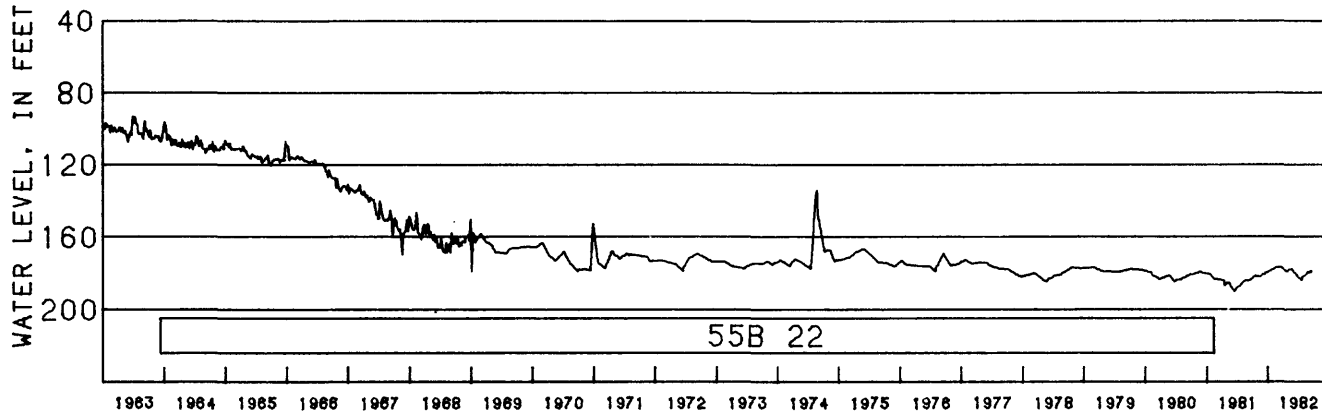
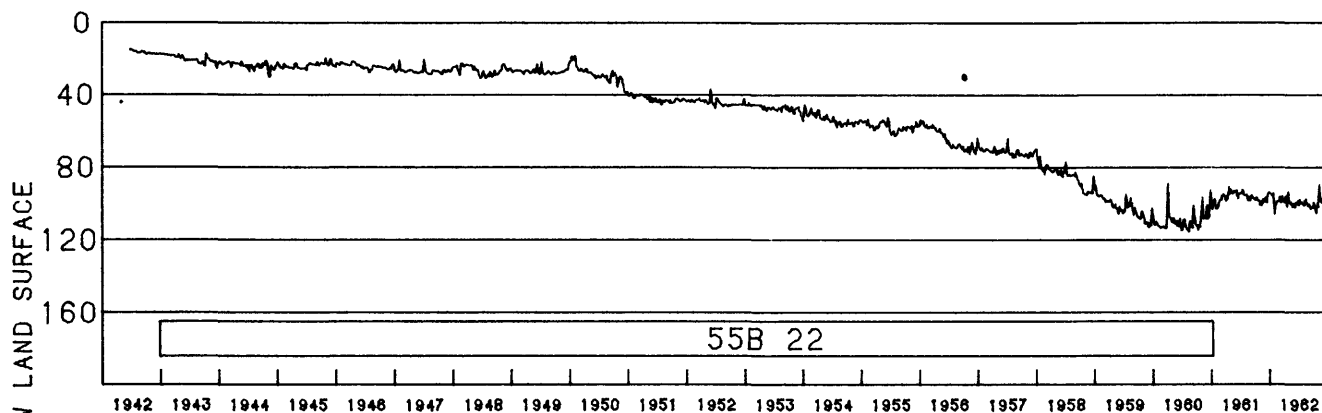
WELL CHARACTERISTICS.--Jetted observation water well, diameter 4 in (100 mm), depth 354 ft (107.9 m), screened 335 to 354 ft (102.1 to 107.9 m).

DATUM.--Altitude of land-surface datum is 21.24 ft (6.47 m) National Geodetic Vertical Datum of 1929. Measuring point: Top edge of manhole at land-surface datum.

REMARKS.--Water level affected by local pumpage.

PERIOD OF RECORD.--1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.50 ft (4.42 m) below land-surface datum, June 25, 1942; lowest measured, 190.01 ft (57.92 m) below land-surface datum, June 12, 1981.



GLOUCESTER COUNTY

371444076301501. Local number, 58F14.

LOCATION.--Lat 37°14'44", long 76°30'15", Hydrologic Unit 02080107, at Gloucester Point adjacent to U.S. Highway 17.

Owner: Gloucester County Sanitary District.

AQUIFER.--Sand and limestone of Pamunkey Group (?).

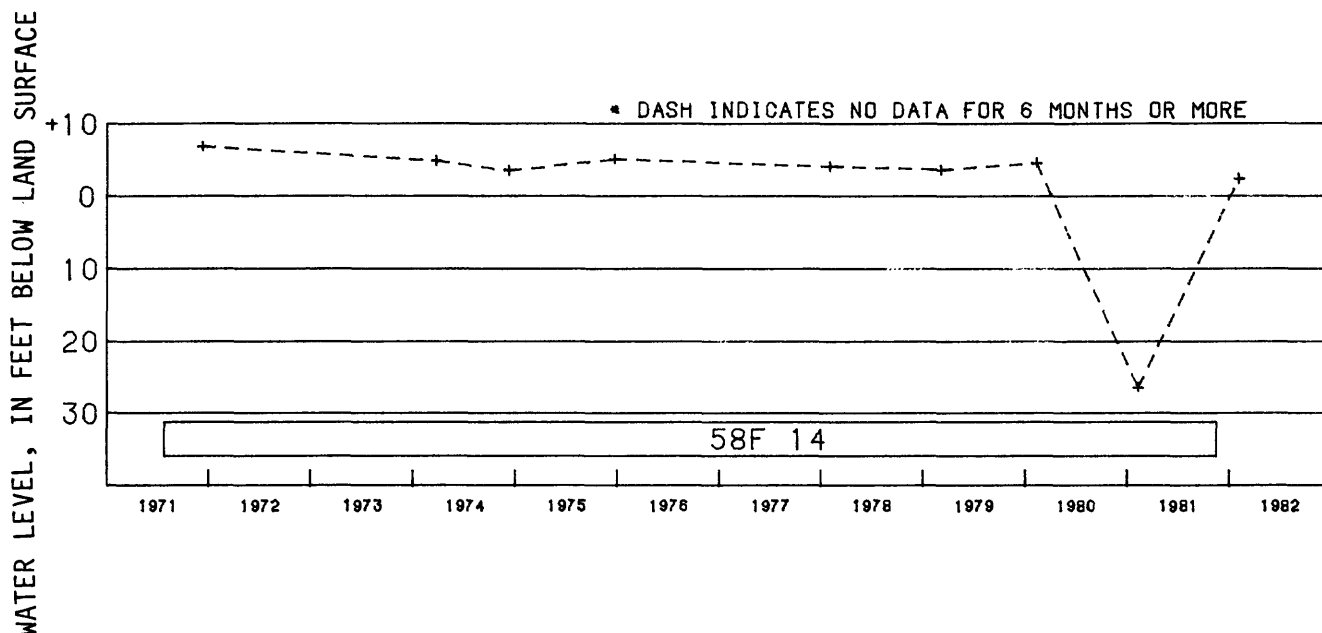
WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm) to 252 ft (76.8 m), diameter 2 in (50 mm) from 252 to 395 ft (76.8 to 120.4 m), depth, 395 ft (120.4 m), screened, 347 to 387 ft (105.8 to 118.0 m).

DATUM.--Altitude of land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal, 1.98 ft (0.60 m) above land-surface datum.

REMARKS.--Flowing well with pump installed for auxiliary water supply for Gloucester Point; well pumping level, 26.41 ft (8.05 m) below land-surface datum, Feb. 10, 1981.

PERIOD OF RECORD.--1971, 1974, 1975, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.80 ft (2.08 m) above land-surface datum, Dec. 10, 1971; lowest measured, 3.52 ft (1.08 m) above land-surface datum, Dec. 10, 1974.



HALIFAX COUNTY

364550078562301. Local number, 39C1.

LOCATION.--Lat 36°45'50", long 78°56'23", Hydrologic Unit 03010105, in the town of Halifax. Owner: Town of Halifax.

AQUIFER.--Granite and Hornblende gneiss of uncertain age.

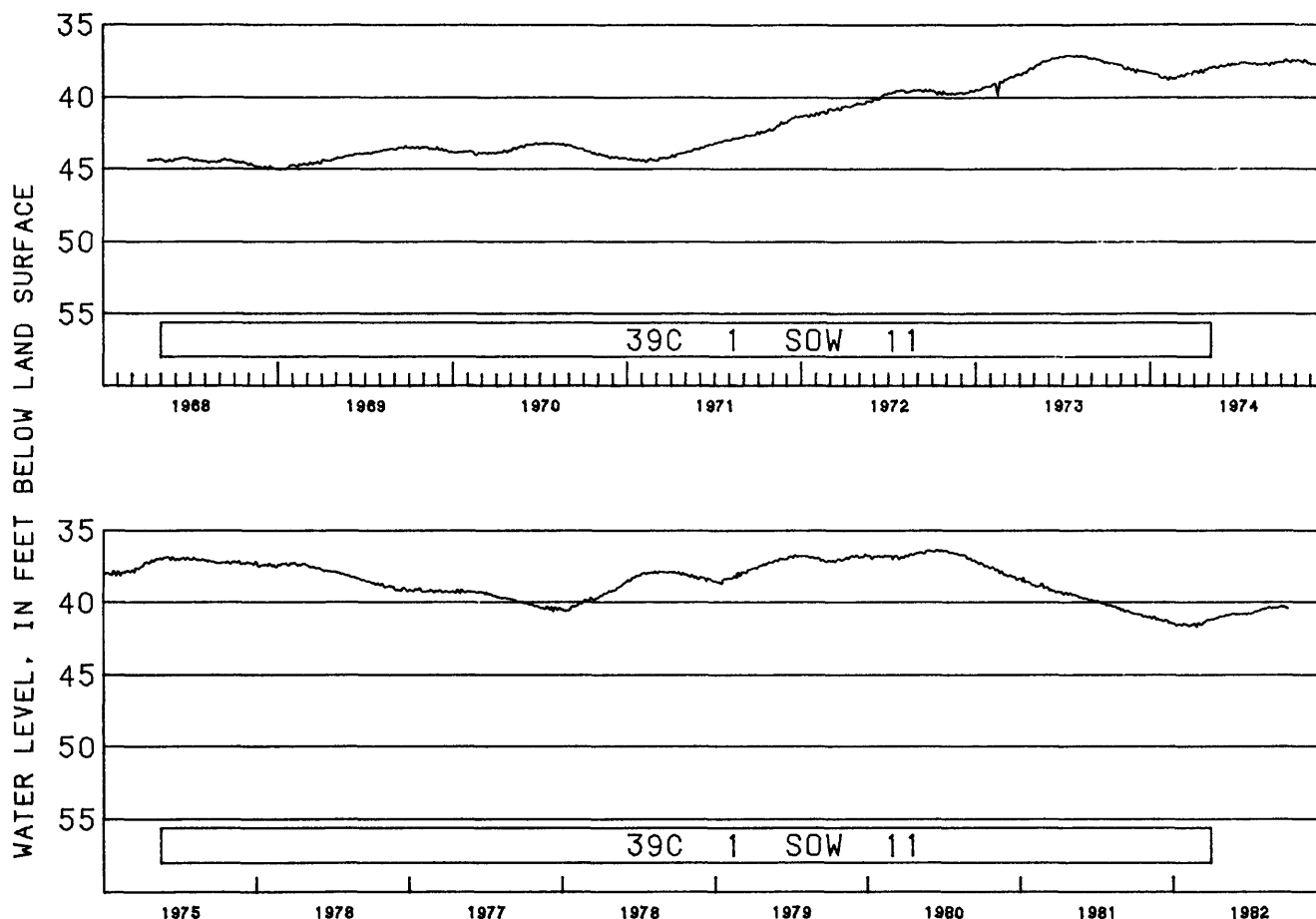
WELL CHARACTERISTICS.--Drilled unused water well, diameter 8 in (200 mm), depth 302 ft (92.0 m), cased to 52 ft (15.8 m), open hole 52 to 302 ft (15.8 to 92.0 m).

DATUM.--Altitude of land-surface datum is 380 ft (116 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.20 ft (0.37 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 11.

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 36.28 ft (11.06 m) below land-surface datum, June 8, 1980; lowest recorded, 45.09 ft (13.74 m) below land-surface datum, Dec. 30, 1968.



CITY OF HOPEWELL

371801077164201. Local number, 52G1

LOCATION.--Lat 37°18'01", long 77°16'42", Hydrologic Unit 02080206, in the city of Hopewell. Owner: Virginia American Water Corporation.

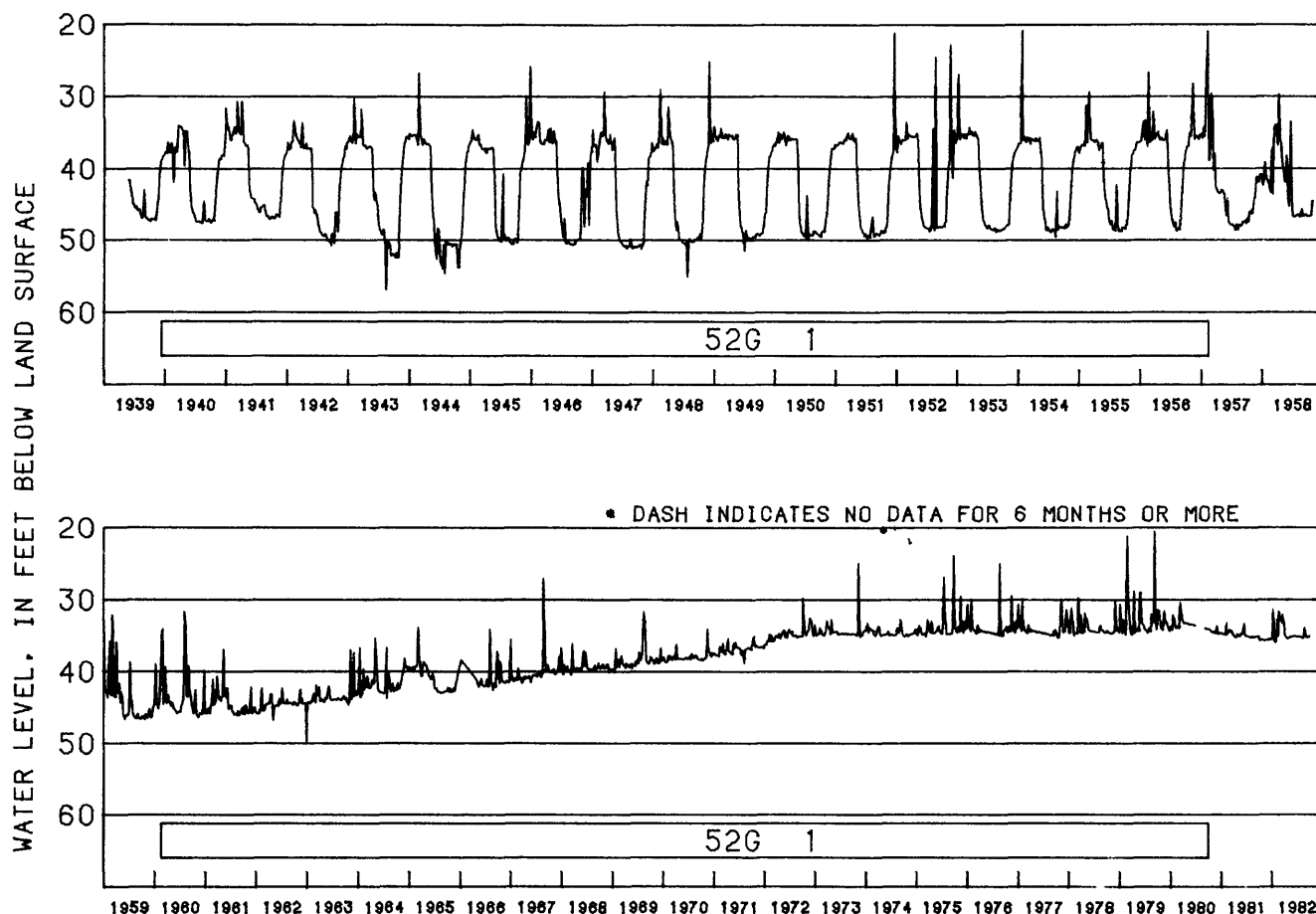
AQUIFER.--Sand of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 300 ft (91.4 m), screen depth unknown.

DATUM.--Altitude of land-surface datum is 50.26 ft (15.32 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.34 ft (0.10 m) above land-surface datum.

PERIOD OF RECORD.--1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.56 ft (6.27 m) below land-surface datum, Sept. 7, 1979; lowest measured, 56.95 ft (17.36 m) below land-surface datum, August 14, 1943.



ISLE OF WIGHT COUNTY

364059076544901. Local number, 55B16

LOCATION.--Lat 36°40'59", long 76°54'49", Hydrologic Unit
03010202, at lumberyard well, near Franklin. Owner: Union
Camp Corporation.

AQUIFER.--Sand of undifferentiated Cretaceous aquifer.

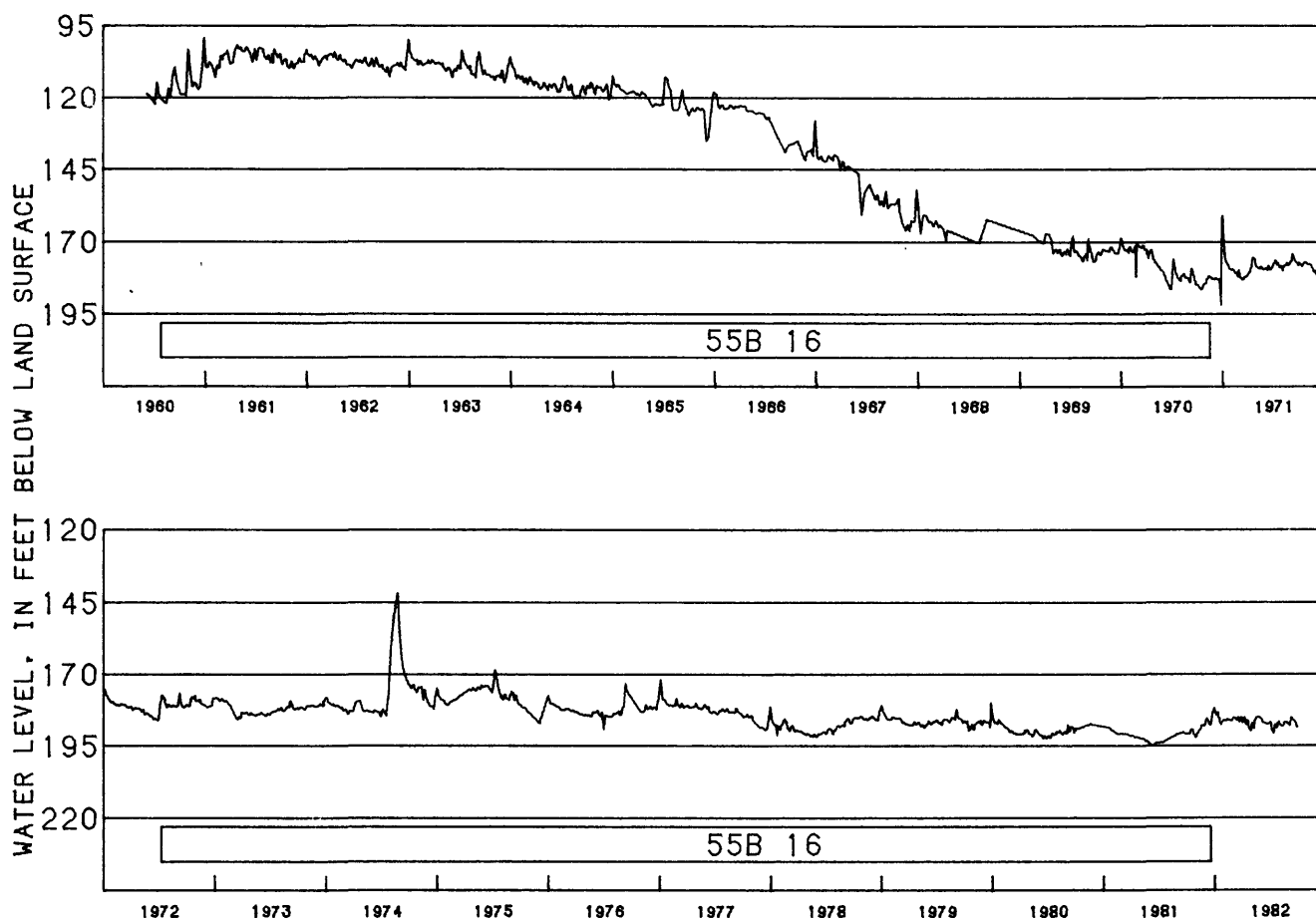
WELL CHARACTERISTICS.--Drilled observation water well, diameter
6 in (150 mm), depth 305 ft (93.0 m), screened 285 to 305 ft
(86.9 to 93.0 m).

DATUM.--Altitude of land-surface datum is 25 ft (8 m) National
Geodetic Vertical Datum of 1929. Measuring point: Top of
casing, 0.45 ft (0.10 m) above land-surface datum.

REMARKS.--Water level affected by local pumpage.

PERIOD OF RECORD.--1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded,
99.00 ft (30.18 m) below land-surface datum, Dec. 27, 1960;
lowest recorded, 195.67 ft (59.64 m) below land-surface datum,
June 14, 1981.



ISLE OF WIGHT COUNTY

364143076535701. Local number, 55B25.

LOCATION.--Lat 36°41'43", long 76°53'57", Hydrologic unit 03010202, at Rose Municipal Airport, east of U.S. Highway 58 outside of Franklin. Owner: City of Franklin.

AQUIFER.--Sand and limestone of Pamunkey Group (?).

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 8 in (200 mm), depth 167.8 ft (51.1 m), screened, 155 to 161 ft (47.2 to 49.1 m).

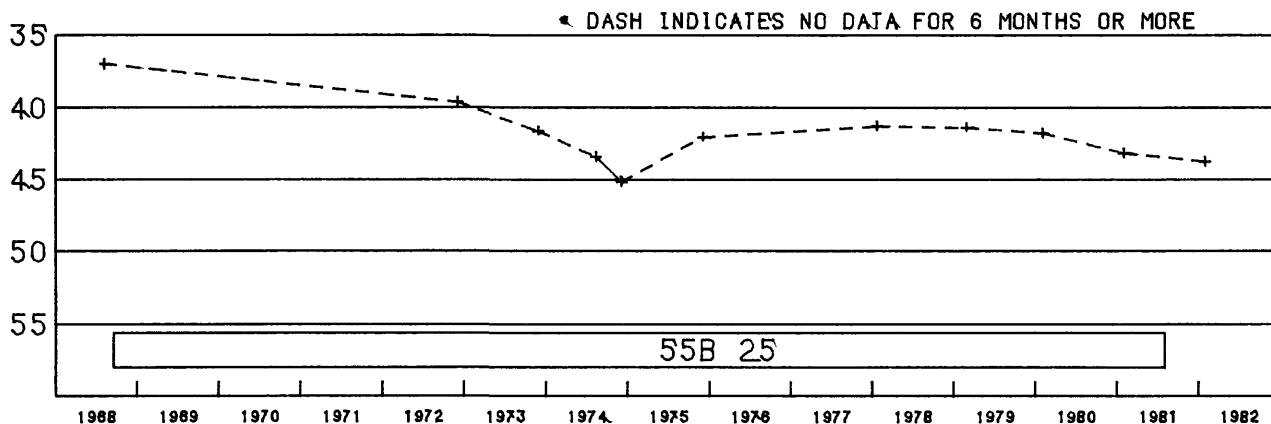
DATUM.--Altitude of land-surface datum is 36.0 ft (11.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing is at land-surface datum.

REMARKS.--Airport well No. 2 water level affected by local pumpage until August 1977.

PERIOD OF RECORD.--1968, 1972-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.00 ft (11.28 m) below land-surface datum, Aug. 6, 1968; lowest measured, 45.16 ft (13.76 m) below land-surface datum, Dec. 3, 1974.

WATER LEVEL, IN FEET BELOW LAND SURFACE



ISLE OF WIGHT COUNTY

364116076545001. Local number, 55B35.

LOCATION.--Lat 36°41'16", long 76°54'50", Hydrologic Unit 03010202, near Franklin. Owner: Union Camp Corporation.

AQUIFER.--Sand of undifferentiated Cretaceous age.

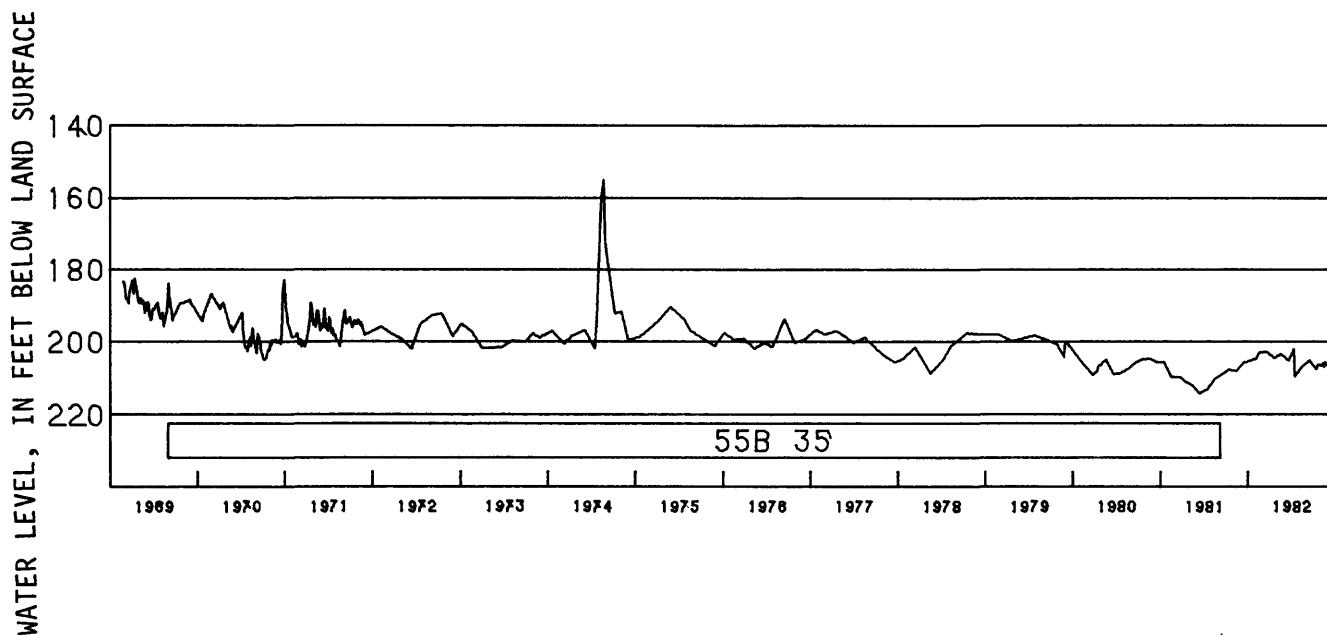
WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in (100 mm), depth 623 ft (189.9 m), screened 430 to 435 ft (131.1 to 132.6 m), 475 to 480 ft (144.8 to 146.3 m), 580 to 585 ft (176.8 to 178.3 m), 618 to 623 ft (188.3 to 189.9 m).

DATUM.--Altitude of land-surface datum is 32 ft (10 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.15 ft (0.66 m) above land-surface datum. Previously reported as 2.0 ft (0.6 m).

REMARKS.--Water level affected by local pumpage. Recorder removed Nov. 14, 1971; manual measurements thereafter.

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 154.99 ft (47.24 m) below land-surface datum, Aug. 23, 1974; lowest measured, 214.15 ft (65.27 m) below land-surface datum, June 12, 1981.



ISLE OF WIGHT COUNTY

364141076530701. Local number, 55B43.

LOCATION.--Lat 36°41'46", long 76°53'07", Hydrologic Unit 03010202, 0.6 mi (1.0 km) east of Franklin on U.S.

Highway 58. Owner: Ray A. Tillet.

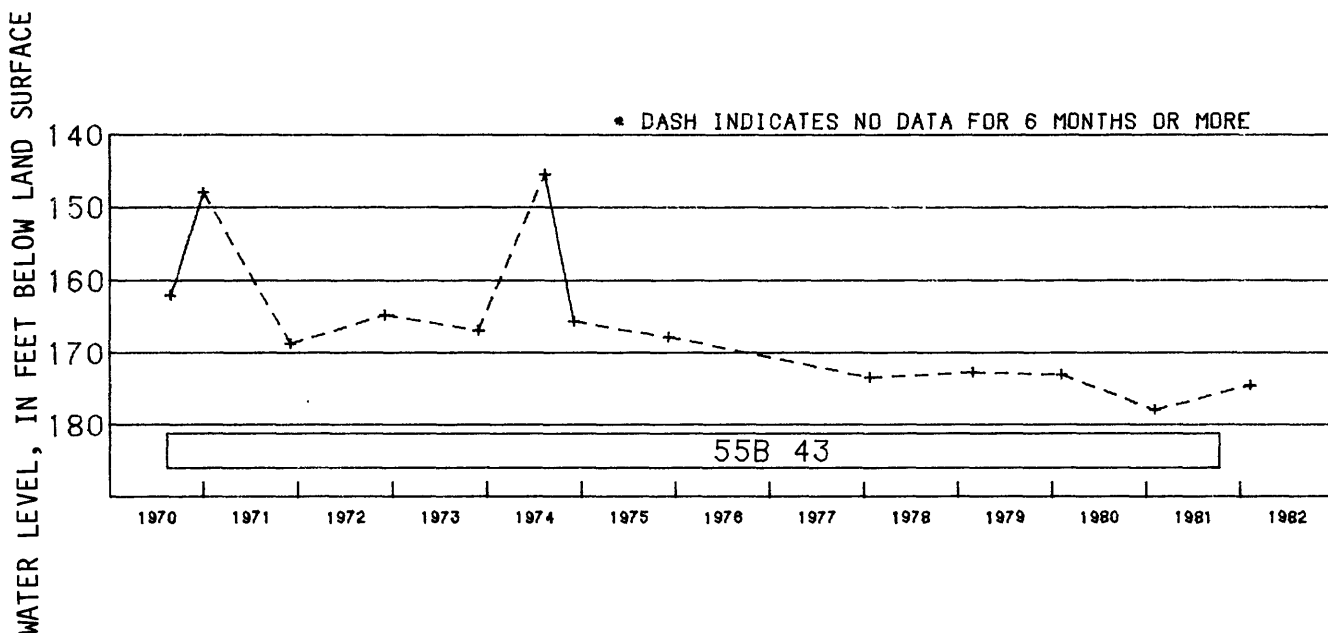
AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled vertical well, diameter 4 in (100 mm), depth, 315 ft (96.0 m), screened, 305 to 315 ft (93.0 to 96.0 m).

DATUM.--Altitude of land-surface datum is 30 ft (9.1 m) National Geodetic Vertical Datum of 1929. Measuring point: 3.9 ft (1.2 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 141.57 ft (43.15 m) below land-surface datum, Aug. 12, 1974; lowest measured, 177.95 ft (54.24 m) below land-surface datum, Feb. 3, 1981.



ISLE OF WIGHT COUNTY

364425076532701. Local number, 55B45.

LOCATION.--Lat 36°44'25", long 76°53'27", Hydrologic Unit 03010202, near Maynards Crossroads. Owner: R. J. Goodrich.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

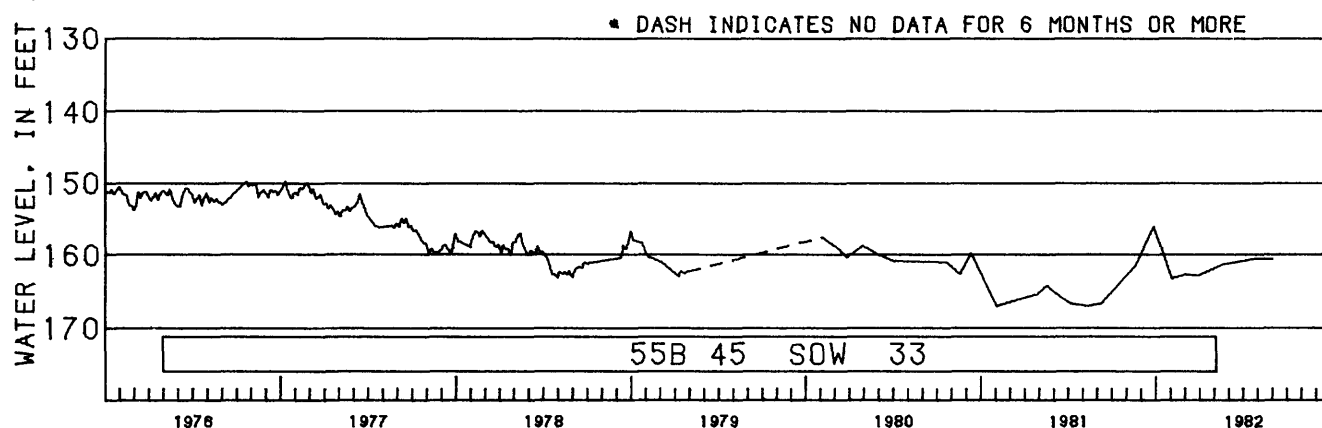
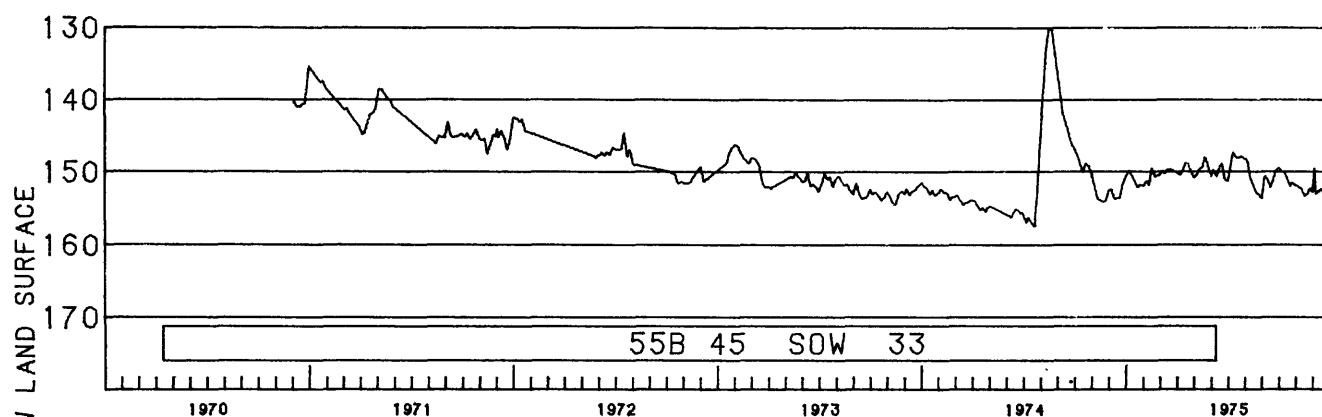
WELL CHARACTERISTICS.--Drilled unused water well, diameter 4 in (100 mm), depth 348 ft (106.1 m), screened 338 to 348 ft (103.0 to 106.1 m).

DATUM.--Altitude of land-surface datum is 37 ft (11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 33. Recorder removed Sept. 30, 1980; manual measurements thereafter.

PERIOD OF RECORD.--1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 130.06 ft (39.64 m) below land-surface datum, Aug. 15, 1974; lowest measured, 167.00 ft (50.90 m) below land-surface datum, Aug. 12, 1981.



ISLE OF WIGHT COUNTY

364009076543101. Local number, 55B54.

LOCATION.--Lat 36°40'09", long 76°54'31", Hydrologic Unit 03010202, 900 ft (274.3 m) east of Blackwater River and 1.0 mi (1.6 km) southeast of U.S. Highway 58. Owner: Union Camp Company.

AQUIFER.--Sand and gravel of upper and lower Cretaceous age.

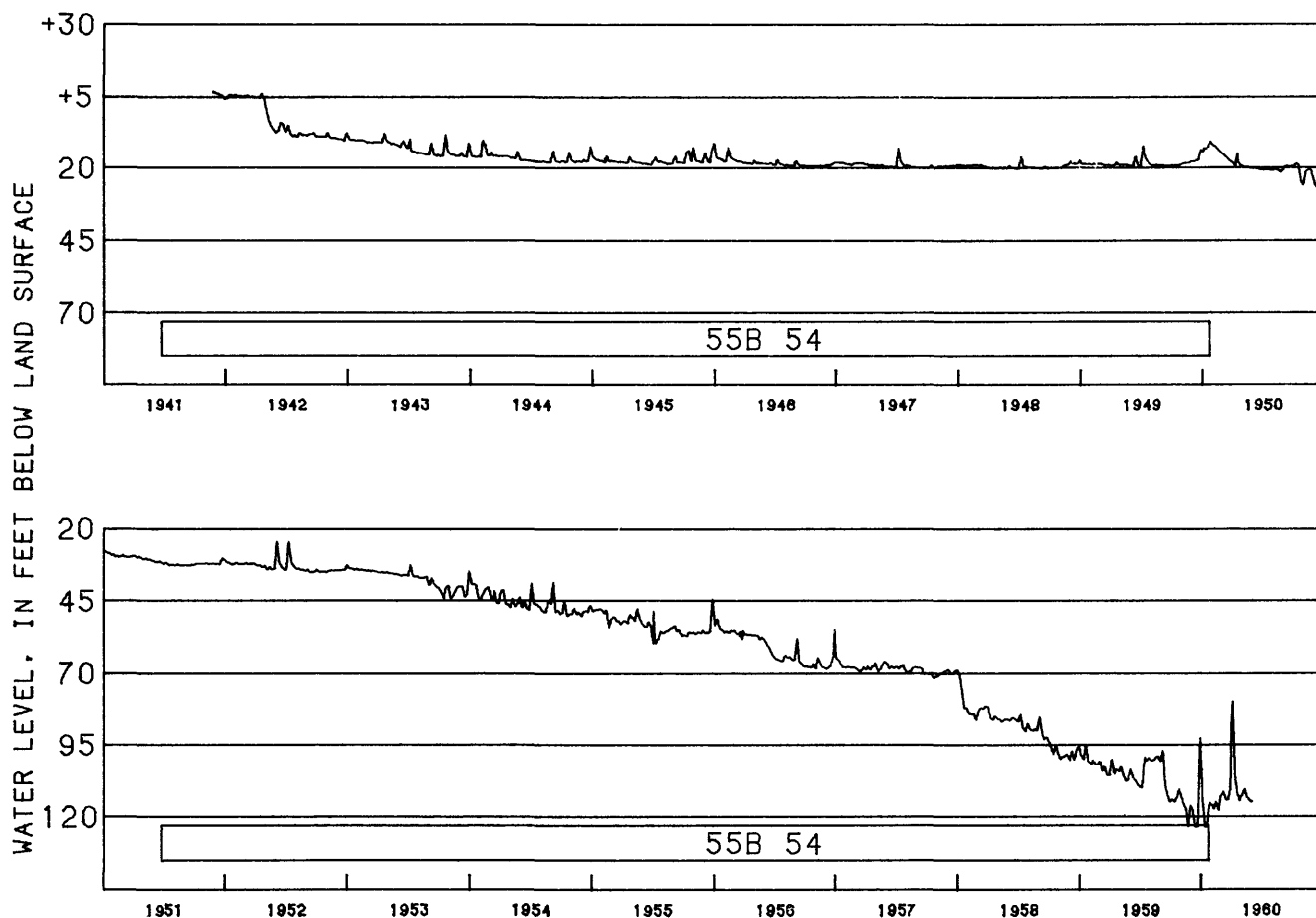
WELL CHARACTERISTICS.--Drilled observation water well, diameter 6 in (150 mm), depth 605 ft (184.4 m), screened 330 to 335 ft (100.6 to 102.1 m), 400 to 405 ft (121.9 to 123.4 m), 595 to 600 ft (181.4 to 182.9 m).

DATUM.--Altitude of land-surface datum is 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 10.50 ft (3.20 m) above land-surface datum.

REMARKS.--Water-level measurements were terminated at this observation well on May 30, 1960. For additional related water-level data in this area, see observation well 55B16.

PERIOD OF RECORD.--1941 to 1960.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.60 ft (2.01 m) above land-surface datum, Nov. 27, 1941; lowest measured, 123.50 ft (37.64 m) below land-surface datum, Nov. 23, 1959.



ISLE OF WIGHT COUNTY

364152076522201. Local number, 56B2.

LOCATION.--Lat 36°41'52", long 76°52'22", Hydrologic Unit 03010202, 1.8 mi (2.9 km) west of Carrsville on U.S. Highway 58, at cemetery. Owner: E. T. Rogers.

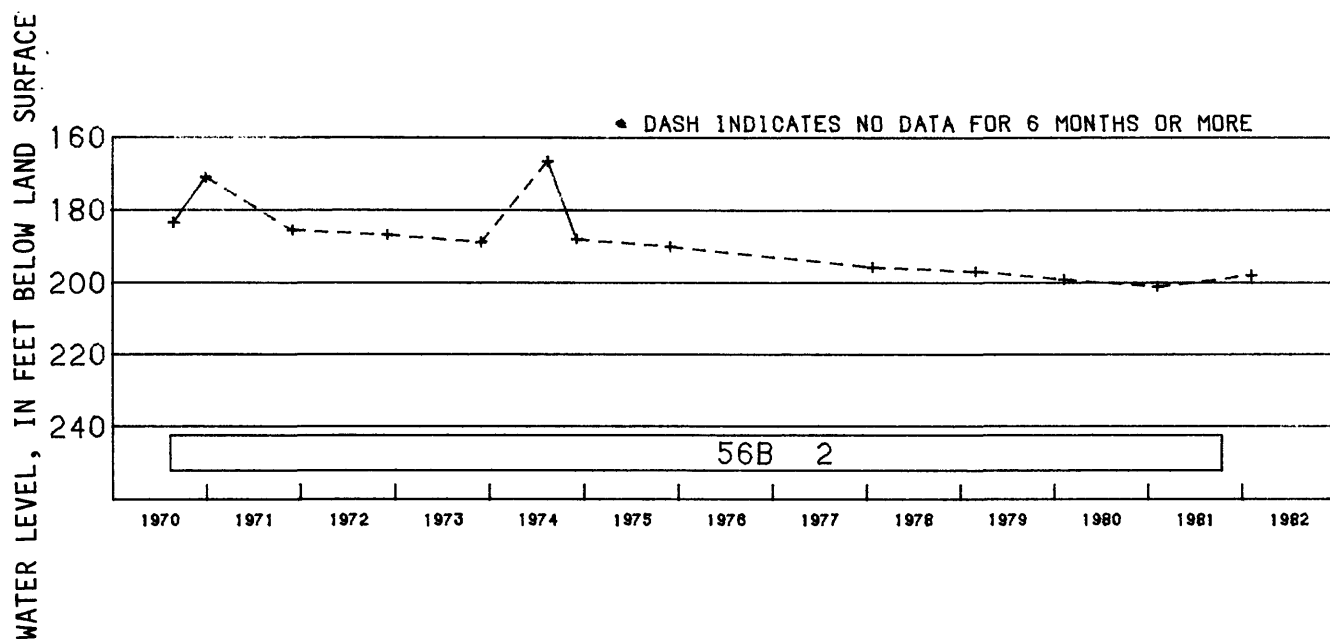
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 420 ft (128.0 m), screened 410 to 420 ft (125.0 to 128.0 m).

DATUM.--Altitude of land-surface datum is 58 ft (17.7 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.61 ft (50.78 m) below land-surface datum, Aug. 12, 1974; lowest measured, 201.10 ft (61.3 m) below land-surface datum, Feb. 2, 1981.



ISLE OF WIGHT COUNTY

365300076380001. Local number, 56B5.

LOCATION.--Lat 36°42'41", long 76°49'33", Hydrologic Unit 03010202, 0.05 mi (0.08 km) south of U.S. Highway 58 in Carrsville. Owner: John Rose.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 6 in (150 mm), depth 372 ft (113.4 m), screened 352 to 372 ft (107.3 to 113.4 m).

DATUM.--Altitude of land-surface datum is 72.0 ft (21.9 m)

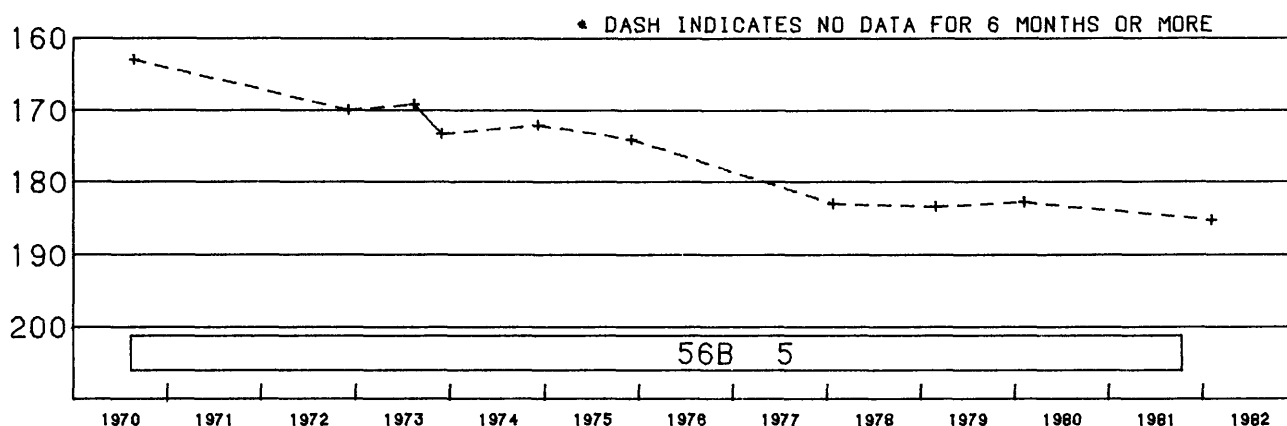
National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.1 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1970, 1972-75, 1978-80, 1982.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.0 ft (49.68 m) below land-surface datum, Aug. 26, 1970; lowest measured, 185.22 ft (56.46 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



ISLE OF WIGHT COUNTY

365006076500301. Local number, 56C1.

LOCATION.--Lat 36°50'06", long 76°50'03", Hydrologic Unit 03010202, 2.2 mi (3.5 km) south of Zuni, 0.13 mi (0.21 km) west of State Route 614. Owner: Zuni Presbyterian Home.

AQUIFER.--Sand and gravel of Cretaceous age.

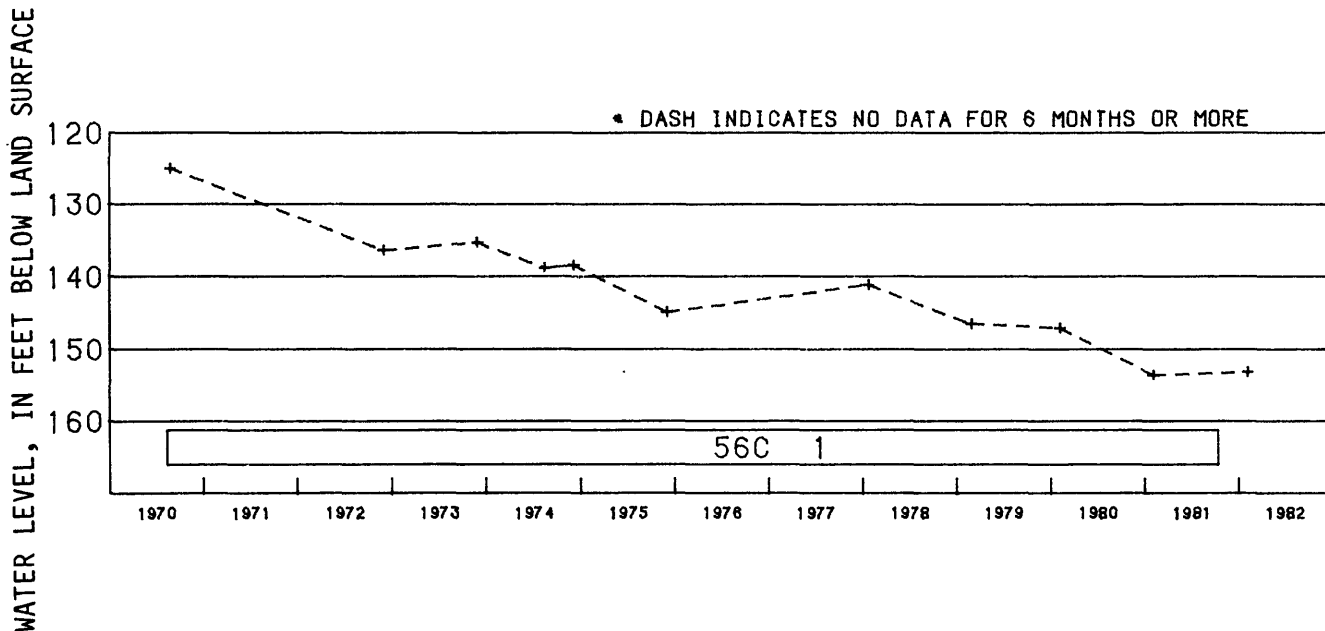
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 8 in (200 mm), depth 434 ft (132.3 m), screened 418 to 434 ft (127.4 to 132.3 m).

DATUM.--Altitude of land-surface datum is 75 ft (22.9 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.7 ft (0.5 m) above land-surface datum.

REMARKS.--Water levels affected by pumpage.

PERIOD OF RECORD.--1970, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.02 ft (38.11 m) below land-surface datum, Aug. 27, 1970; lowest measured, 153.57 ft (46.81 m) below land-surface datum, Feb. 2, 1981.



ISLE OF WIGHT COUNTY

364825076441701. Local number, 57C8.

LOCATION.--Lat 36°48'25", long 76°44'17", Hydrologic Unit 02080208, 0.3 mi (0.6 km) east-southeast of Windsor on State Route 460. Owner: C. A. Bracey.

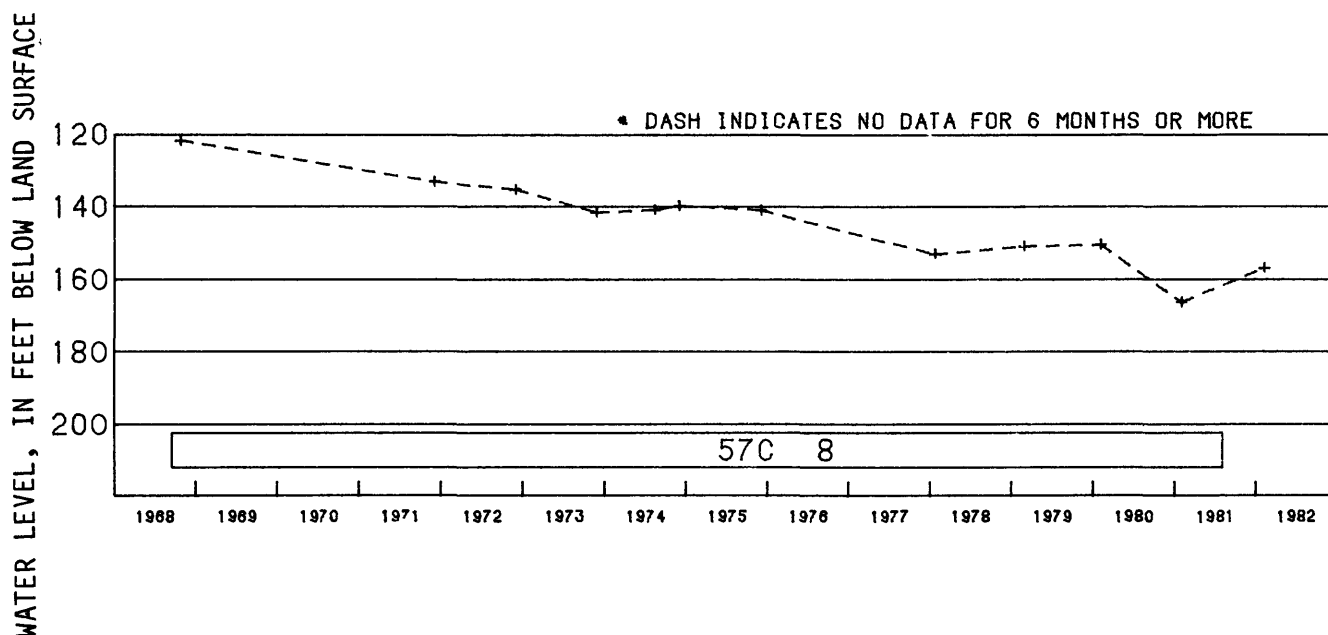
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 3 in (75 mm), depth 436 ft (132.9 m), screened, 426 to 436 ft (129.9 to 132.9 m).

DATUM.--Altitude of land-surface datum is 81 ft (24.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--1968, 1971-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 121.75 ft (37.11 m) below land-surface datum, Oct. 24, 1968; lowest measured, 166.31 ft (50.69 m) below land-surface datum, Feb. 2, 1981.



ISLE OF WIGHT COUNTY

364833076430301. Local number, 57C11.

LOCATION.--Lat 36°48'33", long 76°43'03", Hydrologic Unit 02080208, 0.6 mi (1.0 km) east of Windsor, on Rt. 600. Owner: G. E. Strickland.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

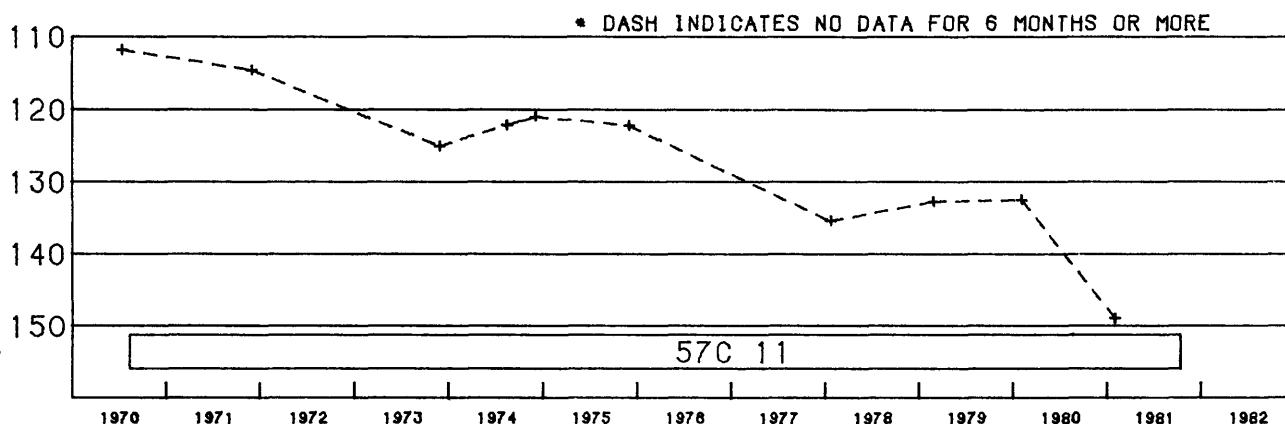
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 495 ft (150.9 m), screened 471 to 481 ft (143.6 to 146.6 m).

DATUM.--Altitude of land-surface datum is 63 ft (19.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1970, 1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 111.85 ft (34.09 m) below land-surface datum, July 15, 1970; lowest measured, 148.95 ft (45.40 m) below land-surface datum, Feb. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



ISLE OF WIGHT COUNTY

365942076375301. Local number, 57D1.

LOCATION.--Lat 36°59'42", long 76°37'53", Hydrologic Unit 02080206, at Gwaltney Packing Company near Smithfield. Owner: Gwaltney Packing Company.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

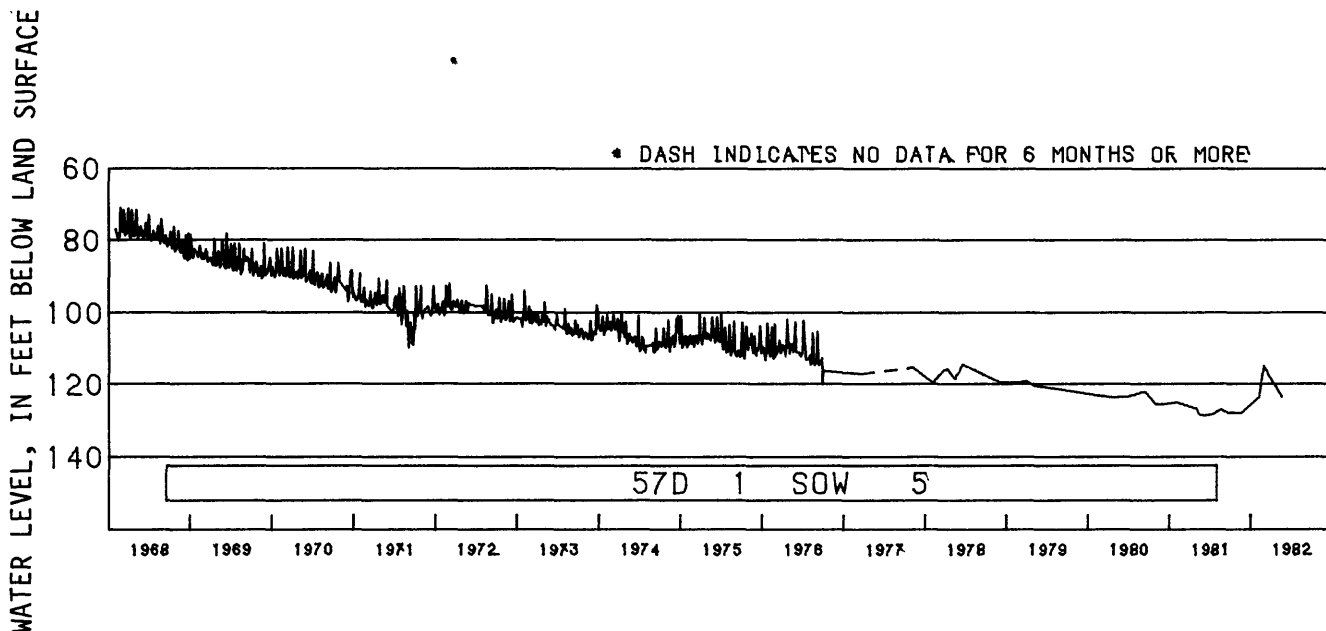
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 10 in (250 mm), depth 512 ft (156.1 m), screened 428 to 440 ft (130.5 to 134.1 m), 442 to 462 ft (134.7 to 140.8 m), 466 to 486 ft (142.0 to 148.1 m), 490 to 510 ft (149.4 to 155.5 m).

DATUM.--Altitude of land-surface datum is 42 ft (12.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.3 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board observation well 5. Water levels affected by local pumpage.

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.61 ft (16.95 m) below land-surface datum, Feb. 2, 1980; lowest measured, 125.00 ft (38.10 m) below land-surface datum, Feb. 2, 1981.



JAMES CITY COUNTY

371311076463601. Local number, 56F1.

LOCATION.--Lat 37°13'11", long 76°46'36", Hydrologic Unit
02080206, Colonial Parkway near Jamestown. Owner: U.S.
Department of Interior. Colonial National Historical Park.

AQUIFER.--Sand of undifferentiated Cretaceous age.

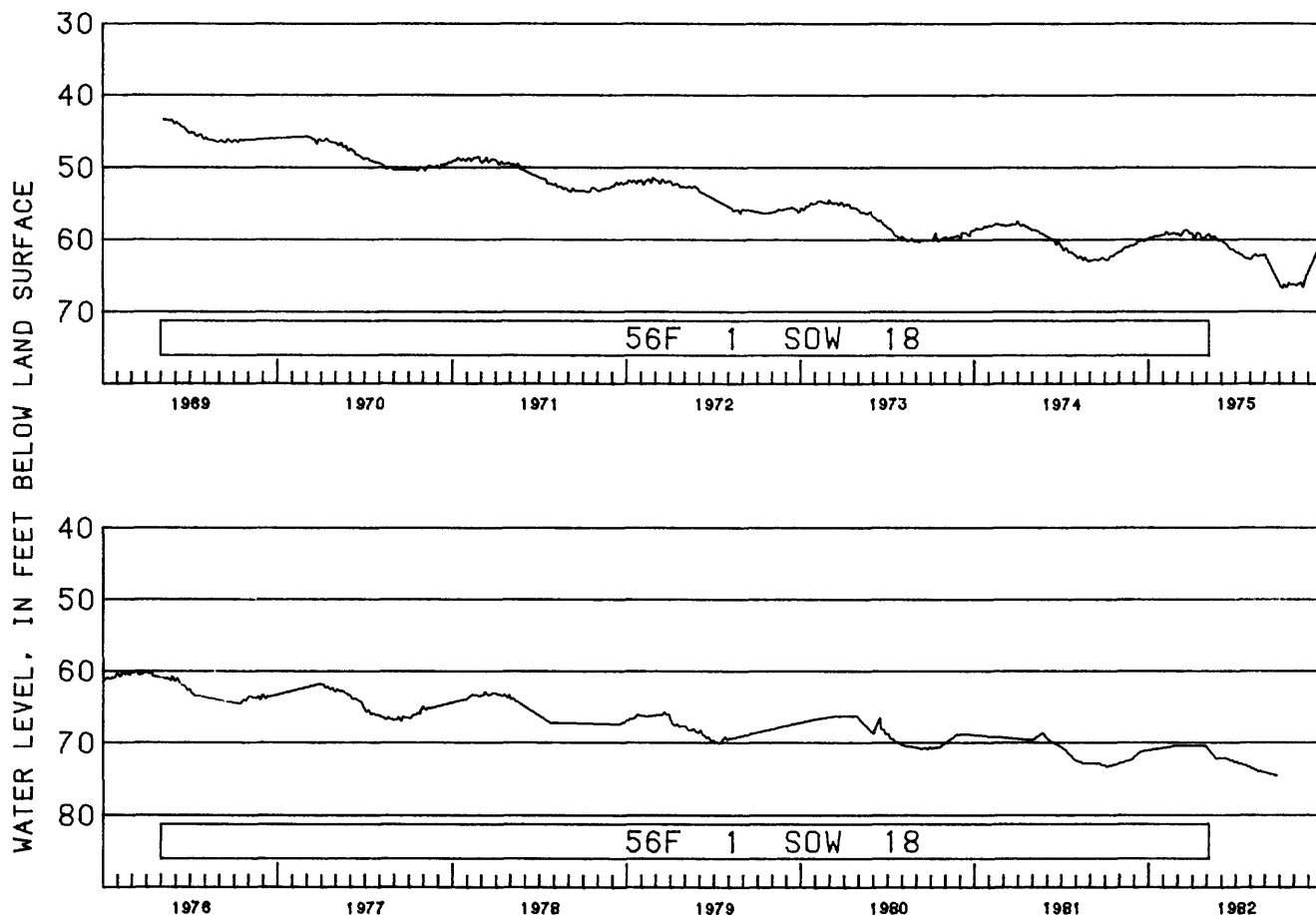
WELL CHARACTERISTICS.--Drilled unused water well, diameter 4 in
(100 mm), depth 346 ft (105.5 m), screened 336 to 346 ft
(102.4 to 105.5 m).

DATUM.--Altitude of land-surface datum is 10 ft (3 m) National
Geodetic Vertical Datum of 1929. Measuring point: Top edge
of recorder shelf, 3.15 ft (0.96 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control
Board as observation well 18. Recorder removed Sept. 30,
1980; manual measurements thereafter.

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded,
43.29 ft (13.19 m) below land-surface datum, May 8, 1969;
lowest measured, 74.54 ft (22.72 m) below land-surface datum,
Sept. 23, 1982.



KING GEORGE COUNTY

382341077032401. Local number, 54R2.

LOCATION.--Lat 38°23'41", long 77°03'24", Hydrologic Unit 02070011, 0.2 mi (0.3 km) west of State Route 687, 0.9 mi (1.4 km) south of Mathias Point. Owner: E. V. Bruchez.

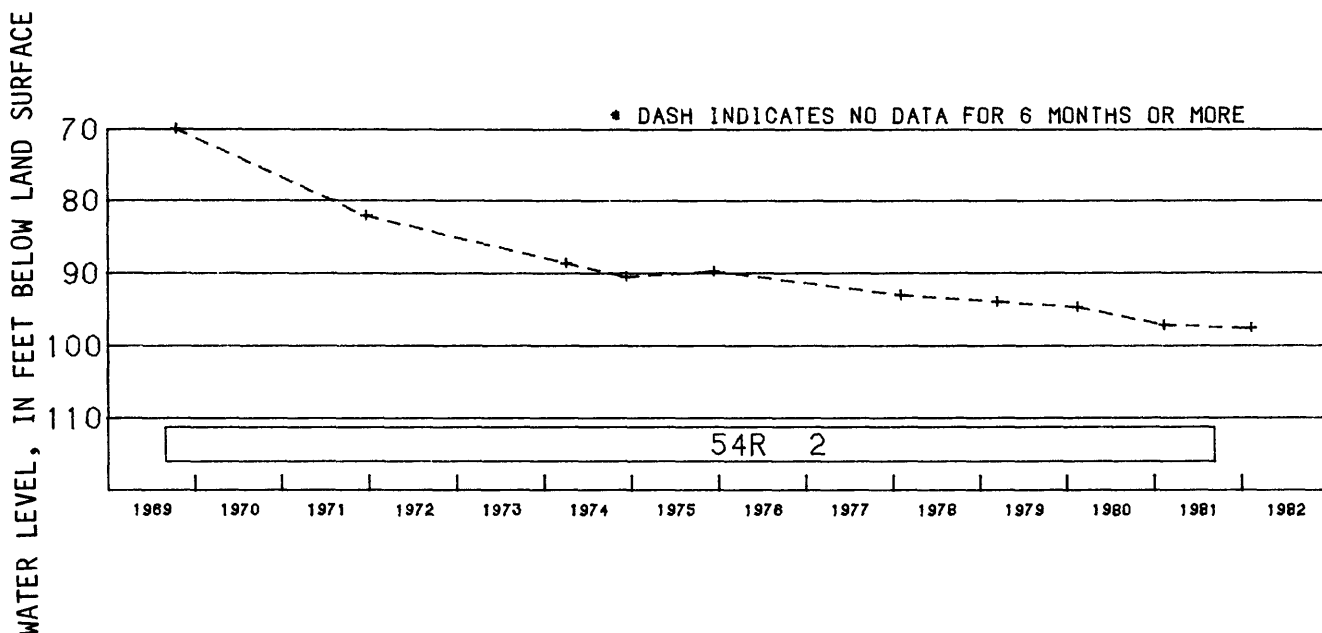
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 210 ft (64.0 m), 2 in (50 mm) from 210 to 806 ft (64.0 to 245.7 m), depth 806 ft (245.7 m), screened 781 to 801 ft (238.0 to 244.1 m).

DATUM.--Altitude of land-surface datum is 70 ft (21.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1969, 1971, 1974, 1975, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.00 ft (21.34 m) below land-surface datum, Oct. 15, 1969; lowest measured, 97.53 ft (29.73 m) below land-surface datum, Feb. 10, 1982.



KING AND QUEEN COUNTY

374806077034801. Local number, 54L5.

LOCATION.--Lat 37°48'06", long 77°03'48", Hydrologic Unit 02080105, 2.5 mi (4.0 km) east of Aylett on U.S. Highway 360, near St. Stephens Church. Owner: Nick Stolfi.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 252 ft (76.8 m), 2 in (50 mm) from 252 to 546 ft (76.8 to 166.4 m), depth 546 ft (166.4 m), screened 515 to 525 ft (157.0 to 160.0 m).

DATUM.--Altitude of land-surface datum is 160 ft (48.8 m)

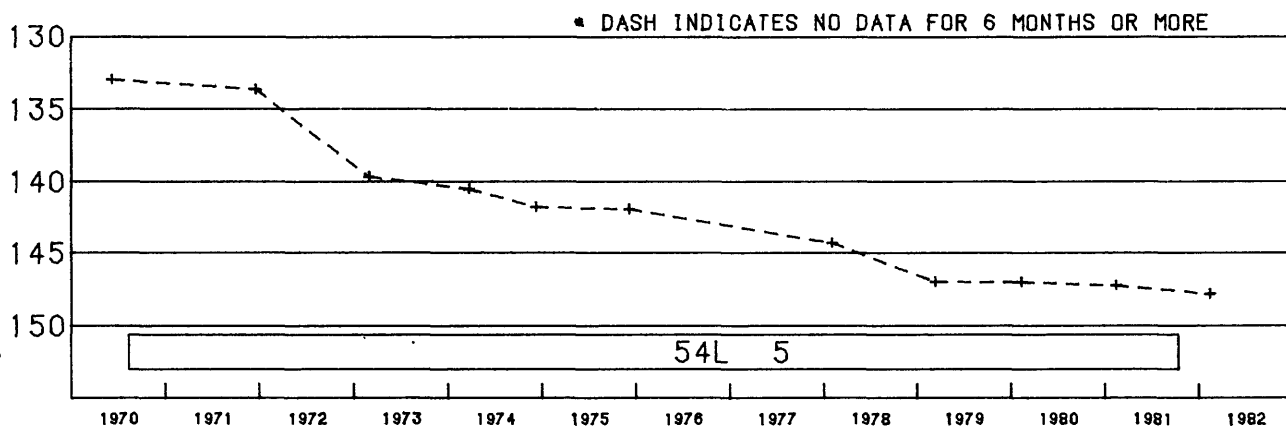
National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 5.5 ft (1.7 m) below land-surface datum.

PERIOD OF RECORD.--1970, 1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.00 ft (40.54 m) below land-surface datum, June 8, 1970; lowest measured, 147.83 ft (45.06 m) below land-surface datum, Feb. 11, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



KING AND QUEEN COUNTY

373126076454101. Local number, 56J11.

LOCATION.--Lat 37°31'26", long 76°45'41", Hydrologic Unit 02080105, at West Point airport. Owner: Chesapeake Corporation.

AQUIFER.--Sand gravel of undifferentiated Cretaceous age.

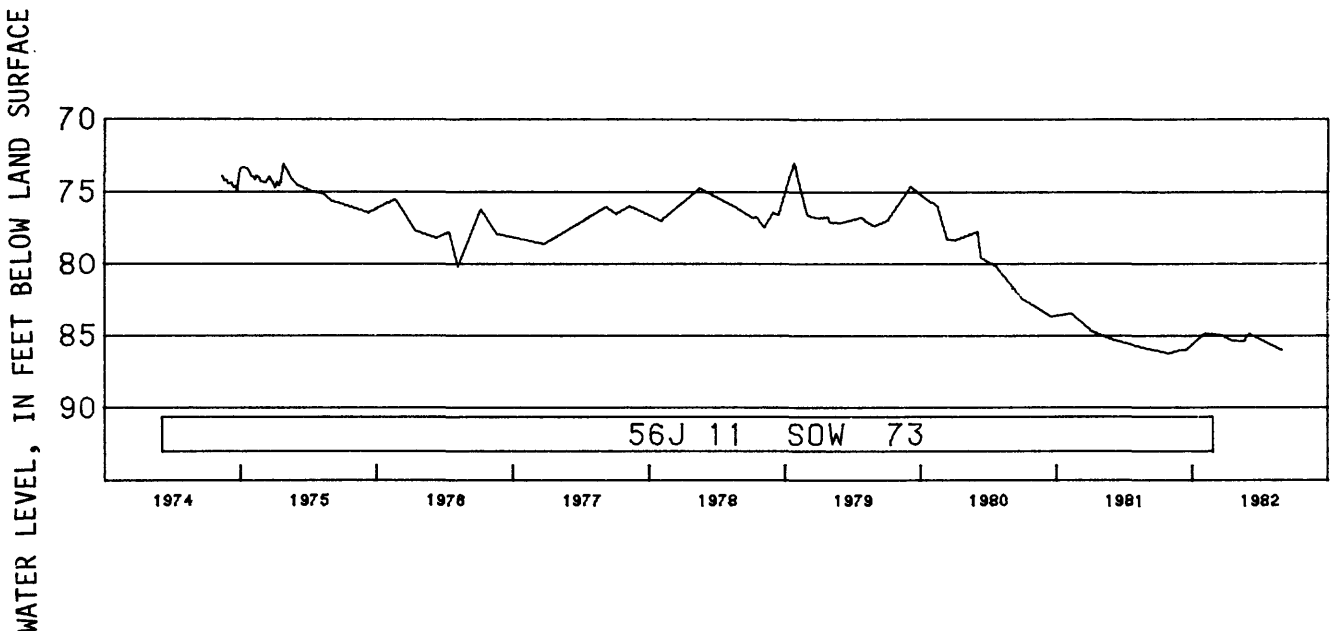
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 1,254 ft (382.2 m), screened 1,233 to 1,248 ft (375.8 to 380.4 m).

DATUM.--Altitude of land-surface datum is 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.6 ft (0.2 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 73 through the 1979 water year; by U.S. Geological Survey thereafter. Recorder removed June 3, 1975; manual measurements thereafter.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 73.08 ft (22.27 m) below land-surface datum, Apr. 25, 1975; lowest measured, 86.27 ft (26.30 m) below land-surface datum, Oct. 29, 1981.



KING AND QUEEN COUNTY

373008076425601. Local number, 57J3.

LOCATION.--Lat 37°30'08", long 76°42'56", Hydrologic Unit 02080107, Gressitt observation well, near West Point. Owner: Chesapeake Corporation.

AQUIFER.--Sand of undifferentiated Cretaceous age.

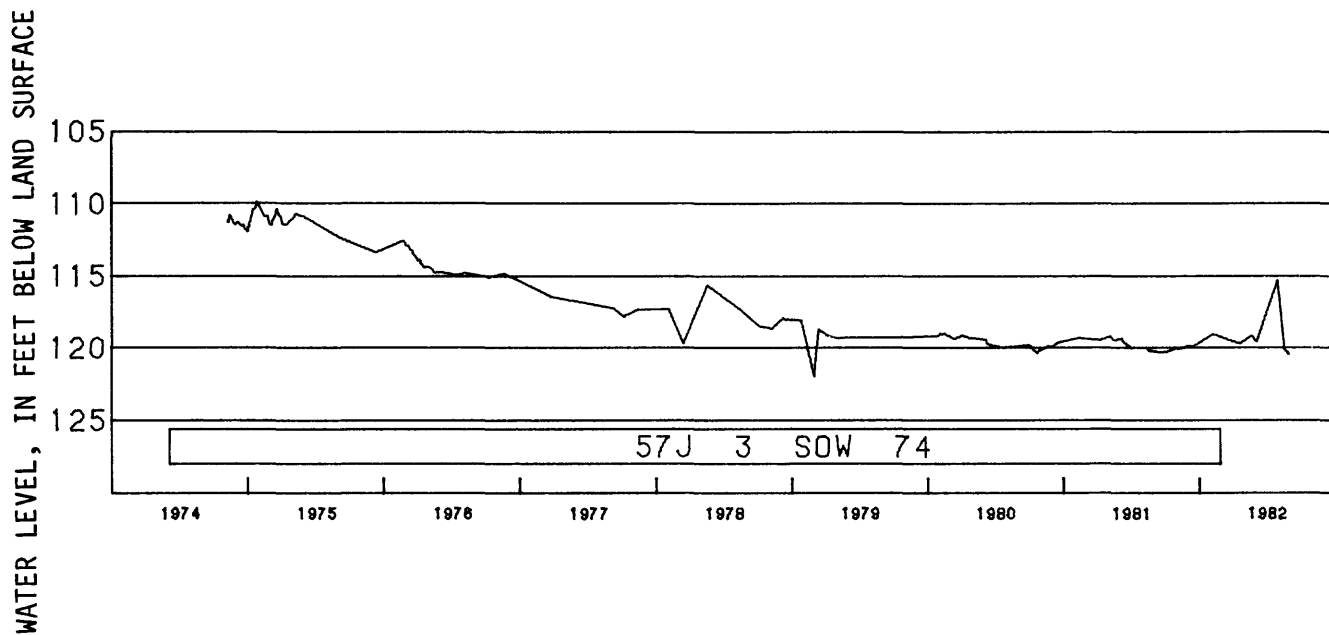
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm) to 200 ft (61.0 m), diameter 4 in (100 mm) from 200 to 760 ft (61.0 to 231.6 m), depth 760 ft (231.6 m), screened 741 to 756 ft (225.9 to 230.4 m).

DATUM.--Altitude of land-surface datum is 51 ft (15.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.20 ft (0.06 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 74 through the 1979 water year; by the U.S. Geological Survey thereafter. Recorder removed June 10, 1976; manual measurements thereafter.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 109.90 ft (33.50 m) below land-surface datum, Jan. 26, 1975; lowest measured, 122.00 ft (37.19 m) below land-surface datum, Mar. 2, 1979.



KING WILLIAM COUNTY

373238076481901. Local number, 56J1.

LOCATION.--Lat 37/32'38", long 76/48'19", Hydrologic Unit 02080106, in West Point, 0.1 mi (0.2 km) west of State Route 30.

Owner: Chesapeake Corporation.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

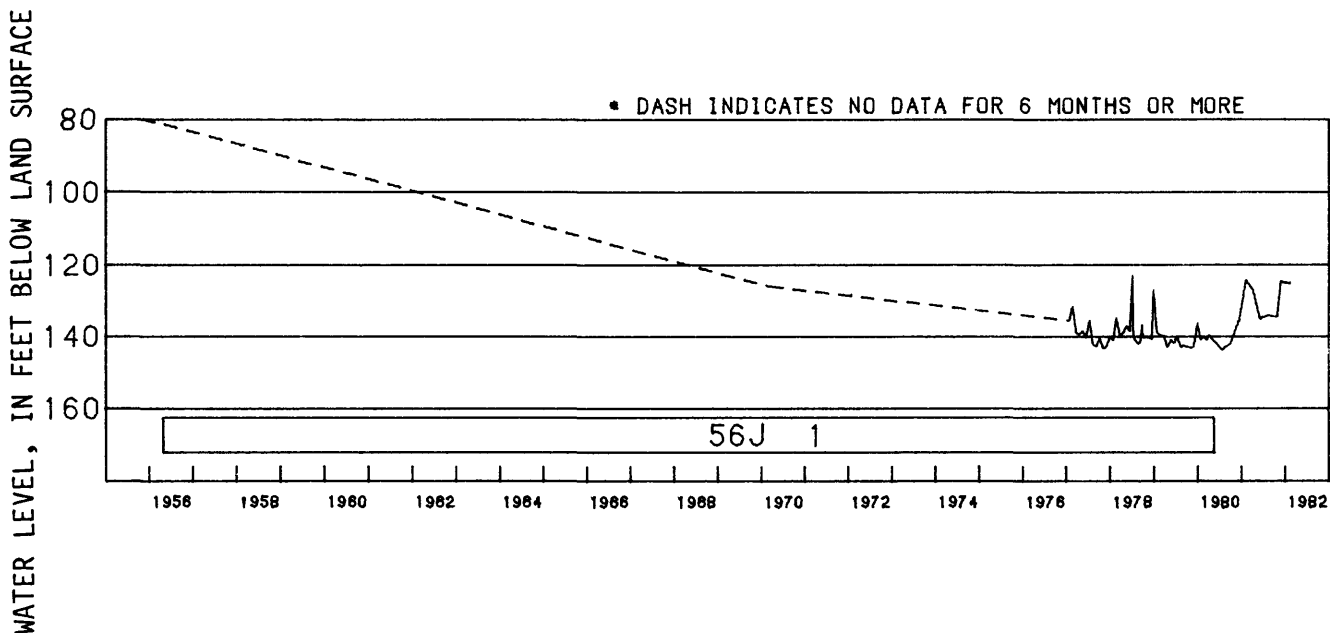
WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm), depth 851 ft (259.4 m), screened 390 to 400 ft (118.9 to 121.9 m), 547 to 557 ft (166.7 to 169.8 m), 640 to 650 ft (195.1 to 198.1 m), 692 to 702 ft (210.9 to 214.0 m), 737 to 747 ft (224.6 to 227.7 m), 768 to 778 ft (234.1 to 237.1 m), 820 to 830 ft (250.0 to 253.0).

DATUM.--Altitude of land-surface datum is 28 ft (8.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft (0.2 m) above land-surface datum.

REMARKS.--Water levels affected by local pumpage.

PERIOD OF RECORD.--1955, 1970, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 80.0 ft (24.38 m) below land-surface datum, Nov. 10, 1955; lowest measured, 143.56 ft (43.76 m) below land-surface datum, July 22, 1980.



KING WILLIAM COUNTY

373206076481201. Local number, 56J18.

LOCATION.--Lat 37°32'06", long 76°48'12", Hydrologic Unit 02080106, near State Route 33 at Chesapeake Corporation, northeast corner of 13th and A Streets in Brick pump house. Owner: Chesapeake Corporation of Virginia.

AQUIFER.--Sand and clay of Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 18 in (450 mm) to 180 ft (54.9 m), diameter 8 in (200 mm) from 165 ft to 446 ft (50.3 to 136.0 m), depth 446 ft (136.0 m), screened 210 to 240 ft (64.0 to 73.2 m), 380 to 390 ft (115.8 to 118.9 m), 405 to 445 ft (123.4 to 135.6 m).

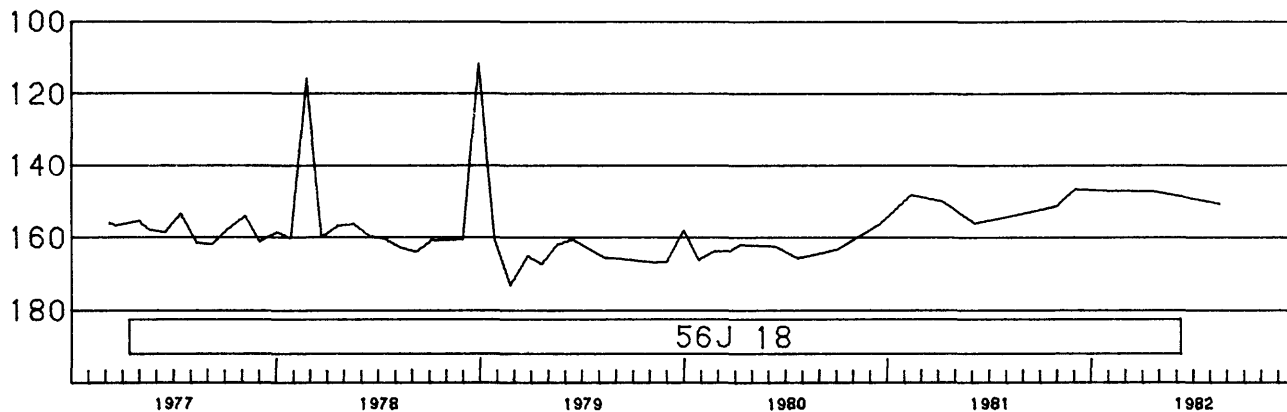
DATUM.--Altitude of land-surface datum is 5 ft (1.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.22 ft (0.37 m) above land-surface datum.

REMARKS.--Water levels affected by local pumpage.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 111.86 ft (34.04 m) below land-surface datum, Dec. 29, 1978; lowest measured, 173.08 ft (52.75 m) below land-surface datum, Feb. 23, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE



LANCASTER COUNTY

374249076230101. Local number, 59K1.

LOCATION.--Lat 37°42'49", long 76°23'01", Hydrologic Unit
02080104, County High School, Kilmarnock. Owner: Lancaster
County Public School.

AQUIFER.--Sand of Early Cretaceous age.

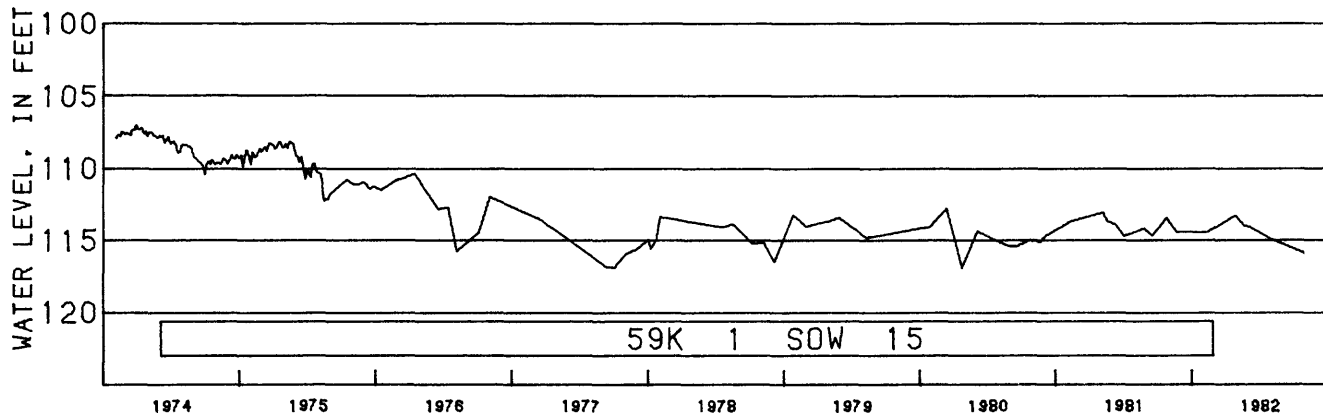
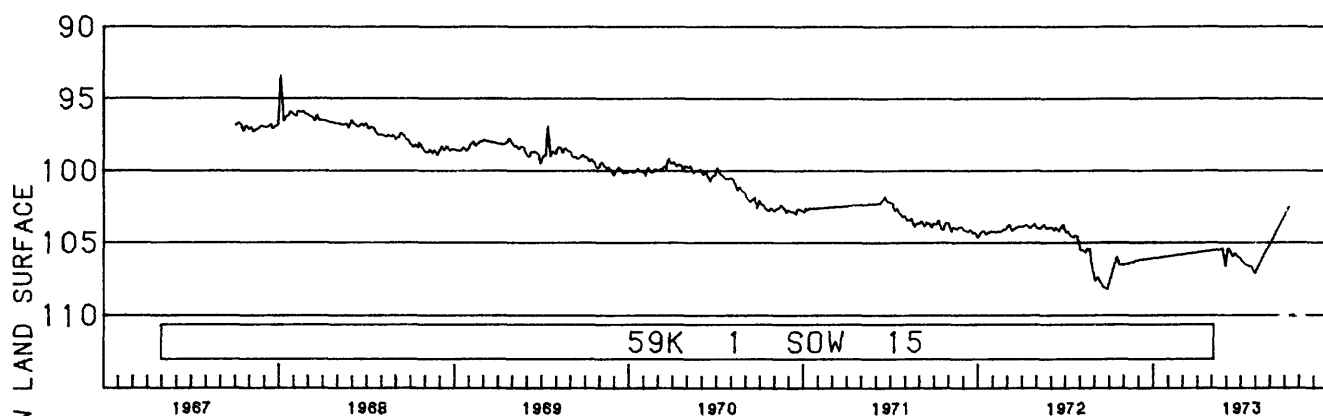
WELL CHARACTERISTICS.--Drilled unused water well, diameter 4 in
(100 mm) from 0 to 163 ft (0 to 51.2 m), diameter 2 in (50 mm)
from 163 to 716 ft (51.2 to 218.2 m), depth 716 ft (218.2 m),
screened 706 to 716 ft (215.2 to 218.2 m).

DATUM.--Altitude of land-surface datum is 85 ft (26 m) National
Geodetic Vertical Datum of 1929. Measuring point: Top of
casing at land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control
Board as State observation well 15.

PERIOD OF RECORD.--1967 to current year.

EXTREMES FOR PERIOD OF PERIOD.--Highest water level measured,
93.36 ft (28.46 m) below land-surface datum, Jan. 5, 1968;
lowest measured, 116.90 ft (35.63 m) below land-surface datum,
Apr. 21, 1980.



LANCASTER COUNTY

374142076272701. Local number, 59K9.

LOCATION.--Lat 37°41'42", long 76°27'27", Hydrologic Unit 02080104, State Route 630, 3 mi (4.8 km) north of Weems, and 4 mi (6.4 km) west of Kilmarnock. Owner: F. W. Lackert.

AQUIFER.--Sand of Cretaceous age.

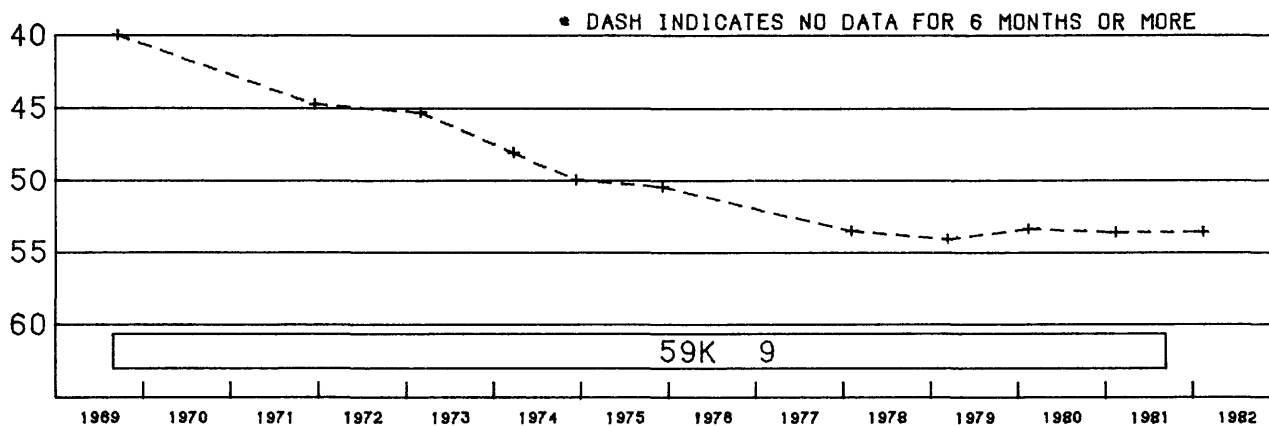
WELL CHARACTERISTICS.--Drilled domestic well, diameter 4 in (100 mm) from 0 to 147 ft (0 to 44.8 m), diameter 2 in (50 mm) from 147 ft to 585 ft (44.8 to 178.3 m), total depth 580 ft (176.8 m), screened, diameter 2 in (50 mm) from 565 to 580 ft (172.2 to 176.8 m).

DATUM.--Altitude of land-surface datum is 10.0 ft (3.1 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.2 ft (0.4 m) above land-surface datum.

PERIOD OF RECORD.--1969, 1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.00 ft (12.20 m) below land-surface datum, Sept. 16, 1969; lowest measured, 54.07 ft (16.48 m) below land-surface datum, Mar. 13, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE



LANCASTER COUNTY

374941076254501. Local number, 59L3.

LOCATION.--Lat 37°49'41", long 76°25'45", Hydrologic Unit 02080104, at Browns Store, on State Route 615. Owner: Meade Hinton.

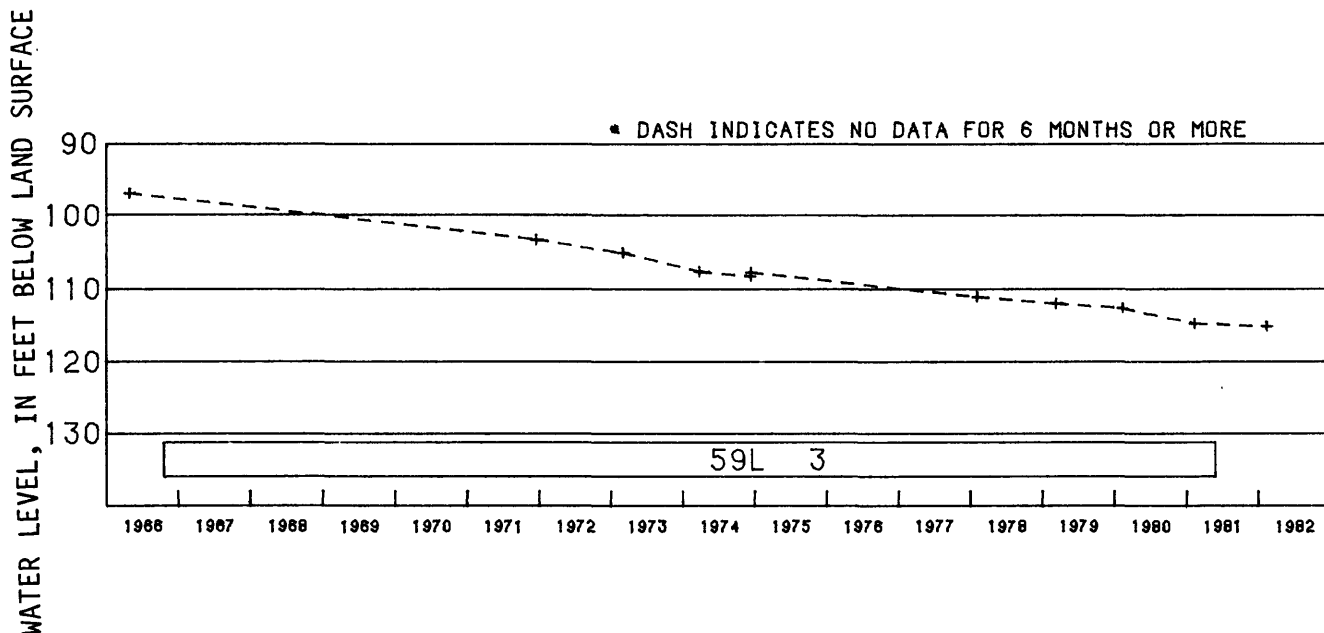
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 210 ft (64.01 m), diameter 2 in (50 mm) from 210 to 802 ft (64.01 to 244.4 m), depth 802 ft (244.4 m), screened, 770 to 800 ft (234.70 to 243.84 m).

DATUM.--Altitude of land-surface datum is 99.0 ft (30.2 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.35 ft (0.41 m) above land-surface datum.

PERIOD OF RECORD.--1966, 1971, 1973, 1974, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.0 ft (29.57 m) below land-surface datum, Apr. 26, 1966; lowest measured, 115.14 ft (35.09 m) below land-surface datum, Feb. 11, 1982.



LOUDOUN COUNTY

391542077423801. Local number, 49Y1.

LOCATION.--Lat 39°15'42", long 77°42'38", Hydrologic Unit 02070008, near Harpers Ferry. Owner: American Telephone and Telegraph Company.

AQUIFER.--Bedrock of Precambrian or Cambrian age.

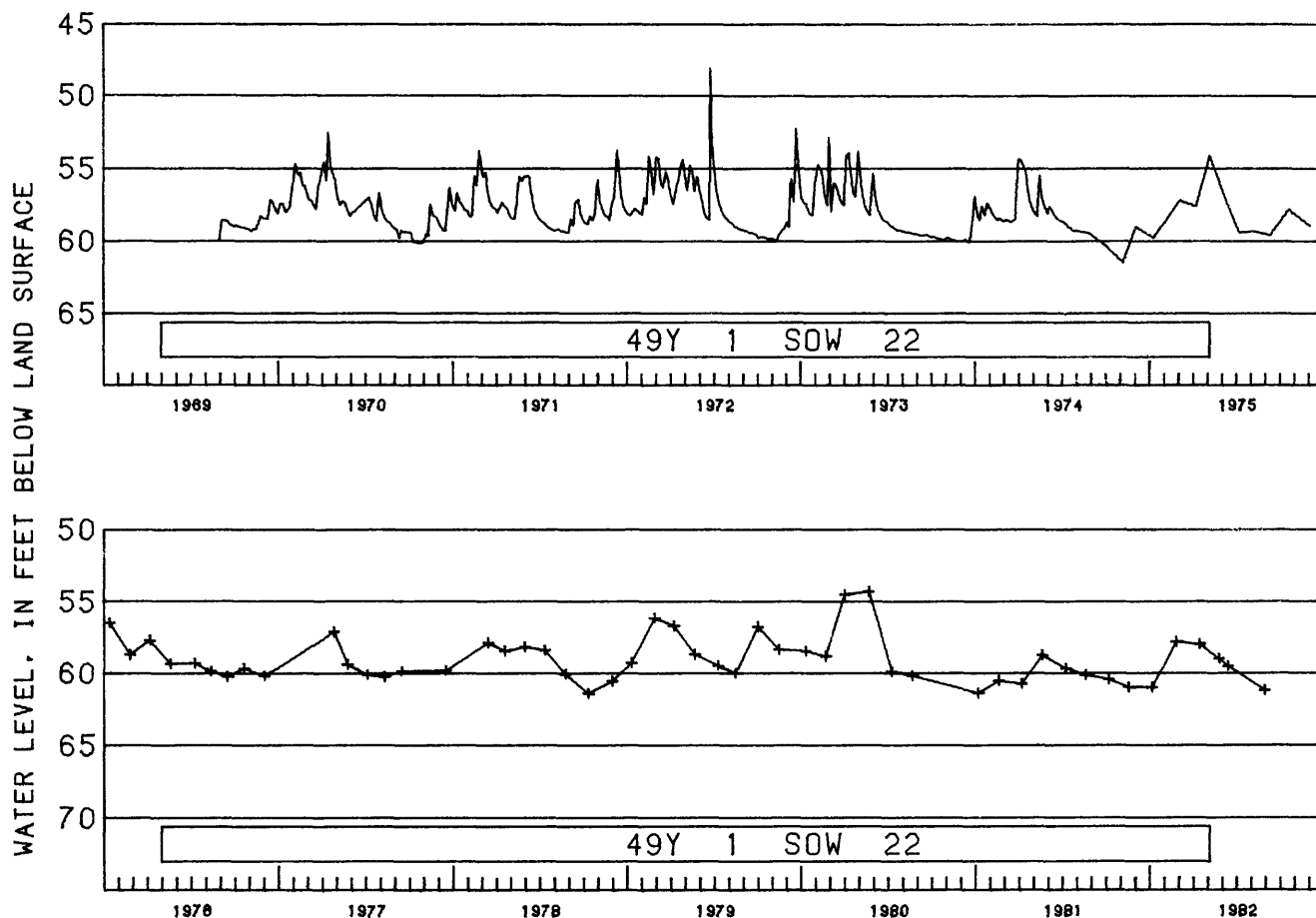
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6.5 in (165 mm). Prior to 1974, diameter reported as 8 in (200 mm). Depth 516 ft (157.3 m), cased to 45 ft (13.7 m), open hole 45 to 516 ft (13.7 to 157.3 m).

DATUM.--Altitude of land-surface datum is 1,100 ft (335 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft (0.3 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as observation well 22. Recorder removed July 26, 1974; manual measurements thereafter.

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.00 ft (14.63 m) below land-surface datum, June 22, 1972; lowest measured, 61.47 ft (18.74 m) below land-surface datum, Nov. 5, 1974.



LOUDOUN COUNTY

390623077314201. Local number, 50W4C.

LOCATION.--Lat 39°06'23", long 77°31'42", Hydrologic Unit 02070008, east of State Route 7 on east side of town of Leesburg, under water tower. Owner: Town of Leesburg.

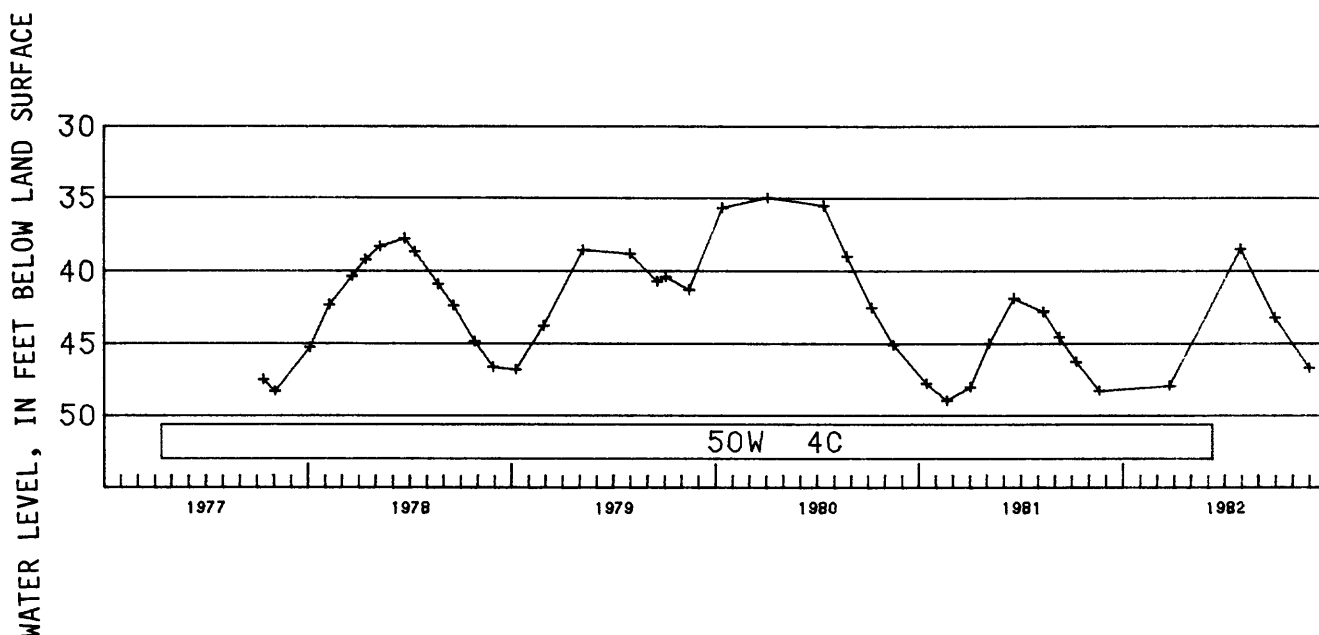
AQUIFER.--Slightly metamorphosed Balls Bluff formation of Triassic age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 535 ft (163.0 m), cased to 6 ft (1.8 m), open hole 6 to 535 ft (1.8 to 163.0 m).

DATUM.--Altitude of land-surface datum is 400 ft (122 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.96 ft (10.66 m) below land-surface datum, Apr. 2, 1980; lowest measured, 48.97 ft (14.93 m) below land-surface datum, Feb. 19, 1981.



LOUISA COUNTY

380217078133701. Local number, 45N1.

LOCATION.--Lat 38°02'17", long 78°13'43", Hydrologic Unit 02080106, near Thelma, 3 mi (5 km) southwest of Boswells Tavern on Tyler property near State Route 640. Owner: Tyler.

AQUIFER.--Wissahickon formation of Late Precambrian (?) age.

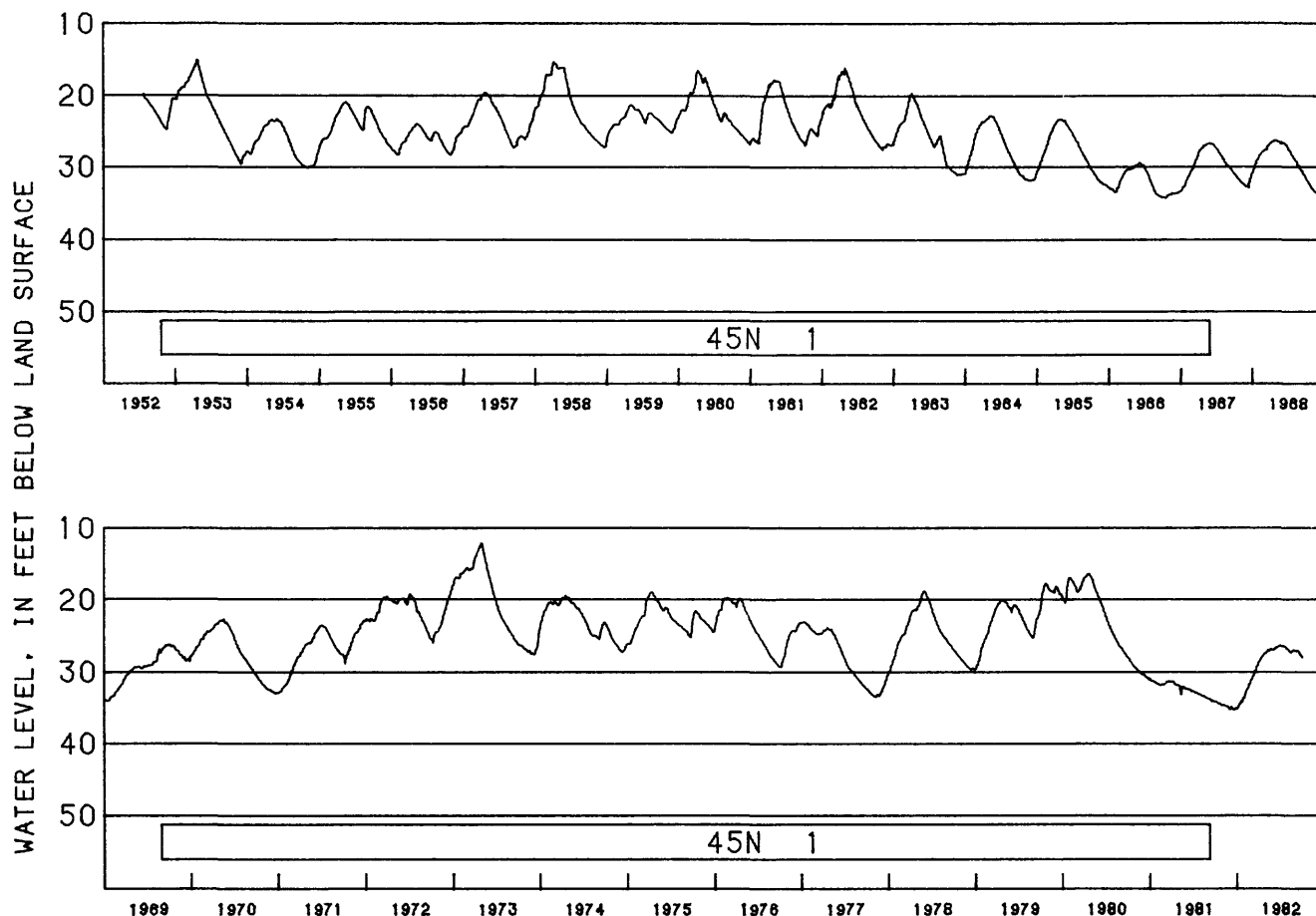
WELL CHARACTERISTICS.--Drilled observation water well, diameter 6 in (150 mm), depth 56 ft (17.1 m), length of casing unknown.

DATUM.--Altitude of land-surface datum is 500 ft (152 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.95 ft (0.59 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board.

PERIOD OF RECORD.--1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 11.97 ft (3.65 m) below land-surface datum, Apr. 30, 1973; lowest measured, 35.17 ft (10.72 m) below land-surface datum, Dec. 2, 1981.



LOUISA COUNTY

380043078111301. Local number, 45N4.

LOCATION.--Lat 38°00'45", long 78°11'14", Hydrologic Unit 02080106, near Thelma, 4 mi (6.4 km) southeast of Boswells Tavern east of U.S. Highway 15. Owner: Virginia Department of Correction.

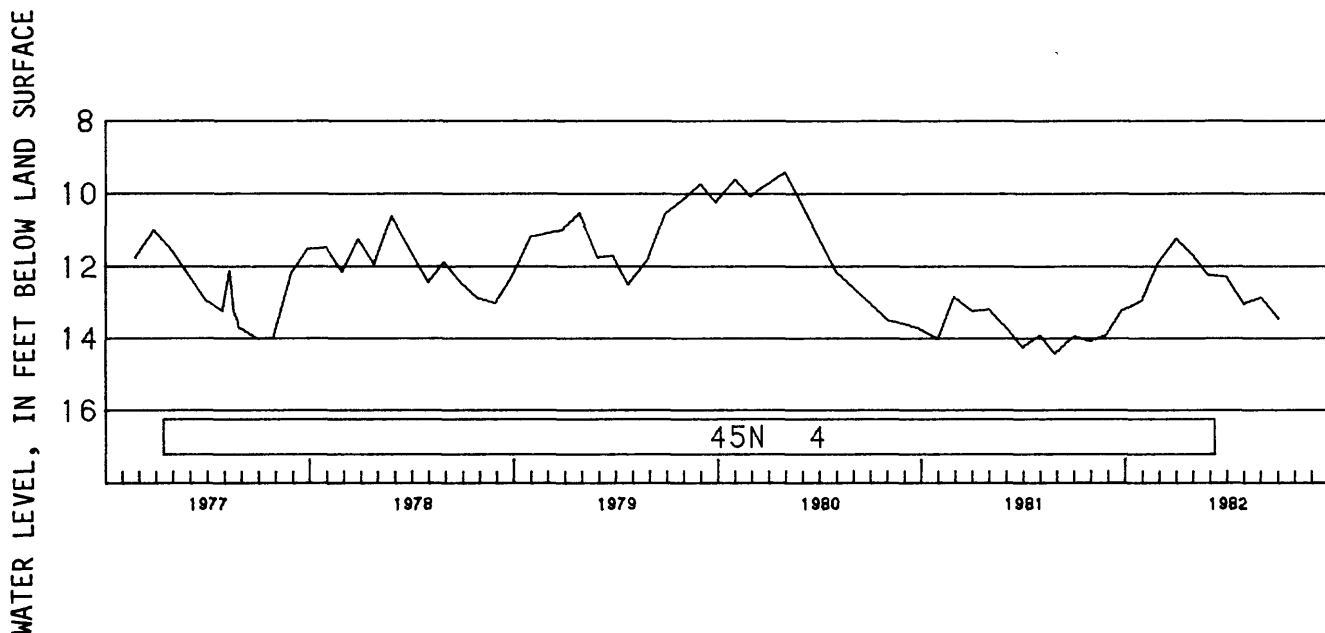
AQUIFER.--Metamorphosed sedimentary and volcanic rocks of uncertain age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 200 ft (61.0 m), cased to 42 ft (12.8 m), open hole 42 to 200 ft (12.8 to 61.0 m).

DATUM.--Altitude of land-surface datum is 415 ft (127 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.40 ft (2.86 m) below land-surface datum, Apr. 28, 1980; lowest measured, 14.43 ft (4.40 m) below land-surface datum, Aug. 26, 1981.



LOUISA COUNTY

380231078132801. Local number, 45N5.

LOCATION.--Lat 38°02'31", long 78°13'28", Hydrologic Unit 02080106, near Thelma, 3 mi (5 km) southwest of Boswells Tavern on Tyler property near State Highway 640. Owner: Tyler.

AQUIFER.--Metamorphosed sedimentary and volcanic rocks of uncertain age.

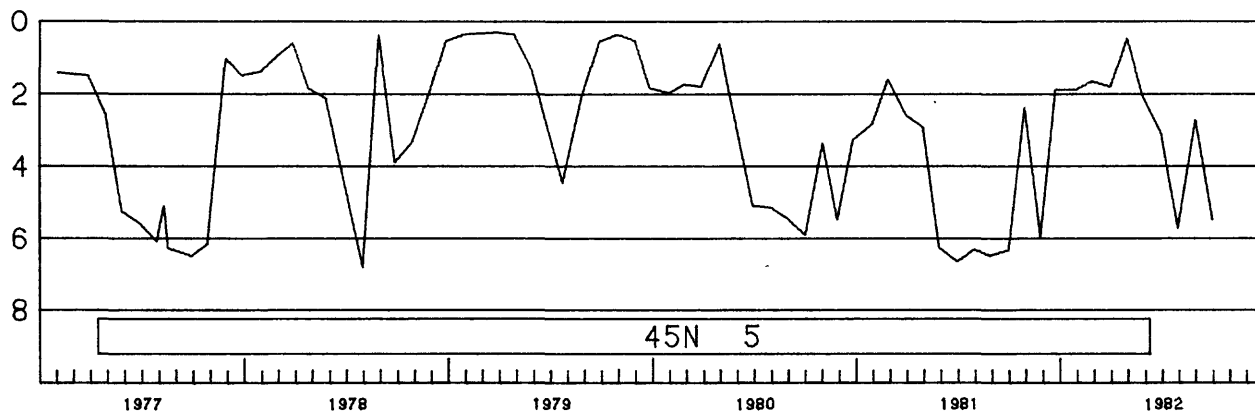
WELL CHARACTERISTICS.--Drilled observation water well, diameter 6 in (150 mm), depth 14.15 ft (4.31 m), length of casing unknown.

DATUM.--Altitude of land-surface datum is 440 ft (134 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.35 ft (1.02 m) above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.30 ft (0.09 m) below land-surface datum, Mar. 27, 1979; lowest measured, 6.81 ft (2.08 m) below land-surface datum, July 31, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE



LOUISA COUNTY

380236078132301. Local number, 45N6.

LOCATION.--Lat 38°02'36", long 78°13'23", Hydrologic Unit 02080106, near Thelma, 3 mi (5 km) southwest of Boswells Tavern on Tyler property near State Highway 640. Owner: Tyler.

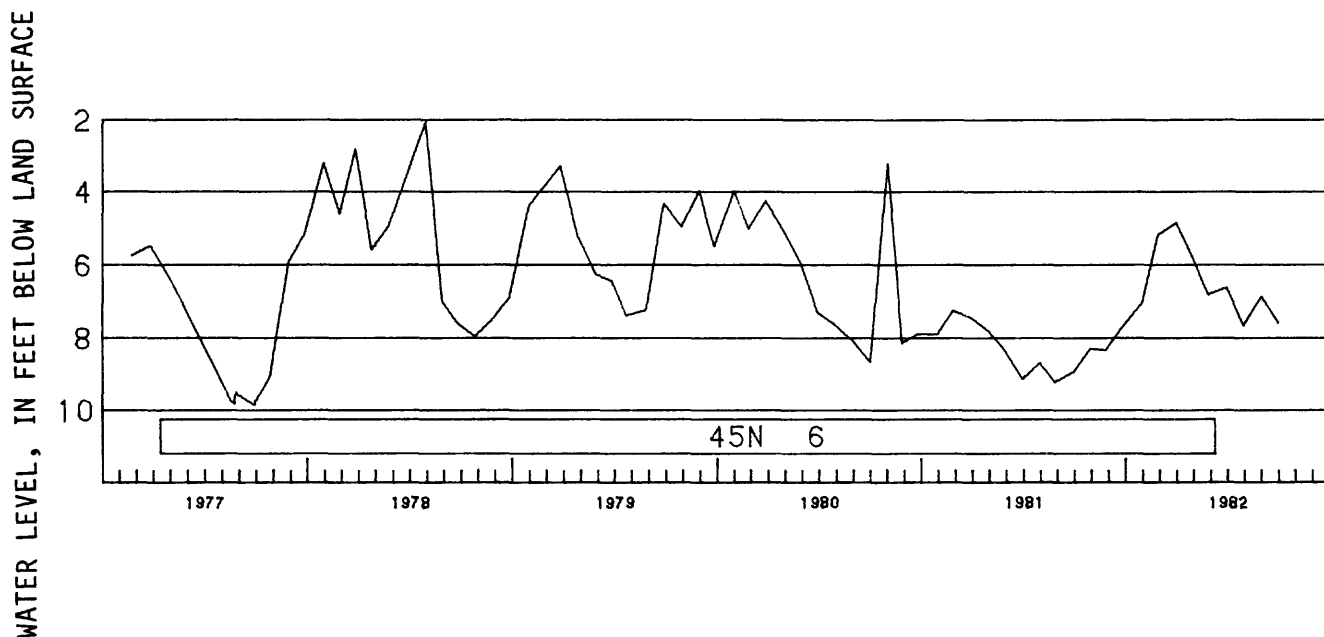
AQUIFER.--Metamorphosed sedimentary and volcanic rocks of uncertain age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 6 in (150 mm), depth 11.75 ft (3.58 m), length of casing unknown.

DATUM.--Altitude of land-surface datum is 440 ft (134 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.20 ft (0.98 m) above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.06 ft (0.63 m) below land-surface datum, July 31, 1978; lowest measured, 9.85 ft (3.00 m) below land-surface datum, Sept. 28, 1977.



LOUISA COUNTY

380131078001001. Local number, 46N1.

LOCATION.--Lat 38°01'31", long 78°00'10", Hydrologic Unit 02080106, in the town of Louisa. Owner: Town of Louisa.

AQUIFER.--Metamorphosed sedimentary and volcanic rocks of uncertain age.

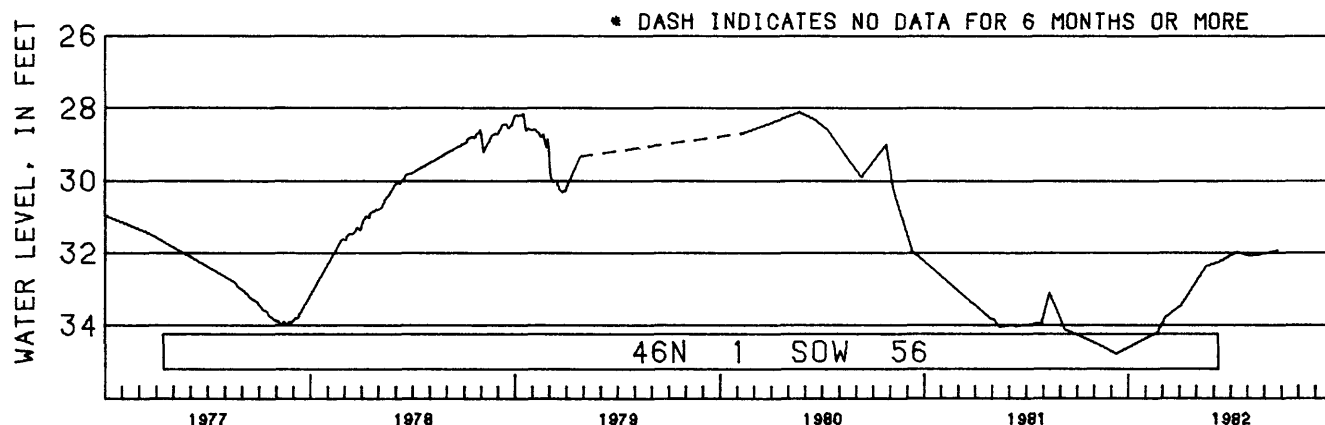
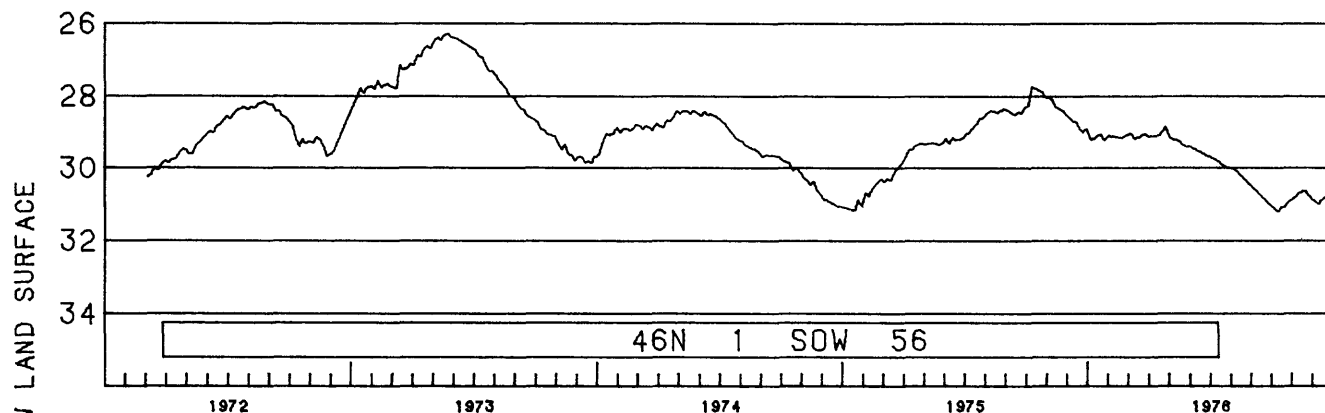
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 132 ft (40.2 m), length of casing unknown.

DATUM.--Altitude of land-surface datum is 455 ft (139 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.6 ft (0.2 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 56. Recorder removed Apr. 30, 1979; manual measurements thereafter.

PERIOD OF RECORD.--1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 26.27 ft (8.01 m) below land-surface datum, May 18, 1973; lowest measured, 34.78 ft (10.60 m) below land-surface datum, Dec. 8, 1981.



MATHEWS COUNTY

372545076240101. Local number, 59H1.

LOCATION.--Lat 37°25'45", long 76°24'01", Hydrologic Unit 02080102, 0.4 mi (0.6 km) south, near State Route 617 at Green Mansion Cove. Owner: G. T. Abernathy.

AQUIFER.--Sand of Cretaceous age.

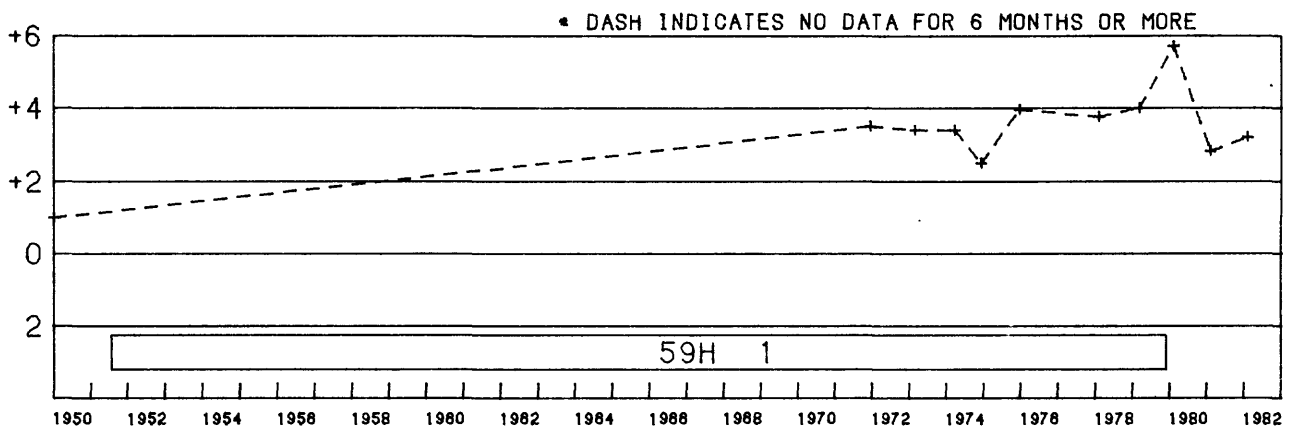
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 568 ft (173.1 m), screened 560 to 568 ft (170.7 to 173.1 m).

DATUM.--Altitude of land-surface datum is 3.0 ft (0.9 m) National Geodetic Vertical Datum of 1929. Measuring point: 2.0 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--1950, 1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.7 ft (1.7 m) above land-surface datum, Feb. 12, 1980; lowest measured, 1.0 ft (0.3 m) above land-surface datum, Jan. 1, 1950.

WATER LEVEL, IN FEET BELOW LAND SURFACE



MIDDLESEX COUNTY

373809076342501. Local number, 58K1.

LOCATION.--Lat 37°38'09", long 76°34'25", Hydrologic Unit 02080104, in the town of Urbanna. Owner: Town of Urbanna.

AQUIFER.--Sand of undifferentiated Cretaceous aquifer.

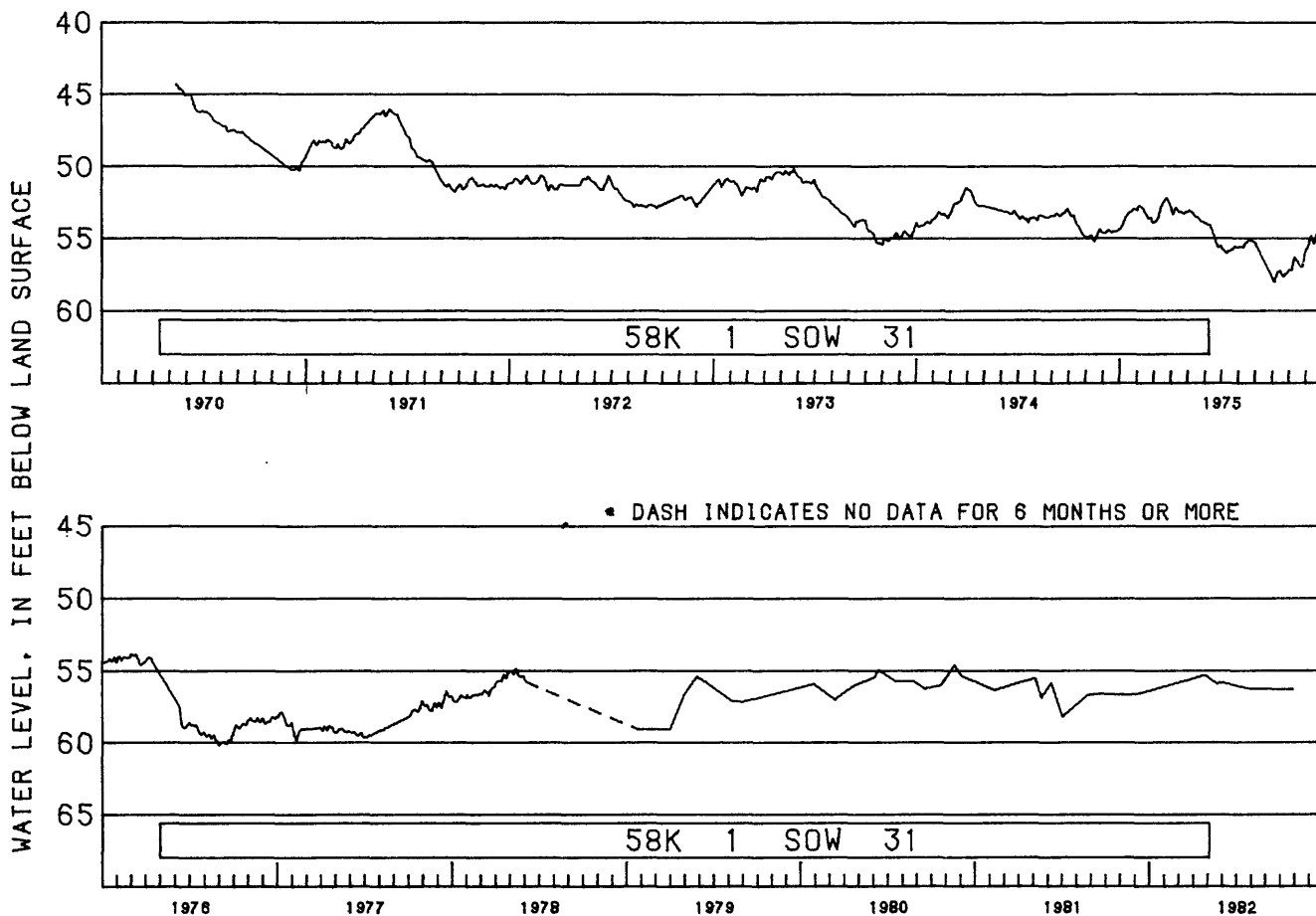
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 552 ft (168.2 m), screen depth unknown.

DATUM.--Altitude of land-surface datum is 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.55 ft (0.48 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 31.

PERIOD OF RECORD.--1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 44.35 ft (13.51 m) below land surface datum, May 15, 1970; lowest recorded, 60.17 ft (18.34 m) below land-surface datum, Aug. 31, 1976.



MIDDLESEX COUNTY

373804076341301. Local number, 58K7.

LOCATION.--Lat 37°38'02", long 76°34'02", Hydrologic Unit 02080104, 1.0 mi (1.6 km) southeast of Urbana, 0.5 mi (0.8 km) from State Route 227. Owner: Rose Gill Farm.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

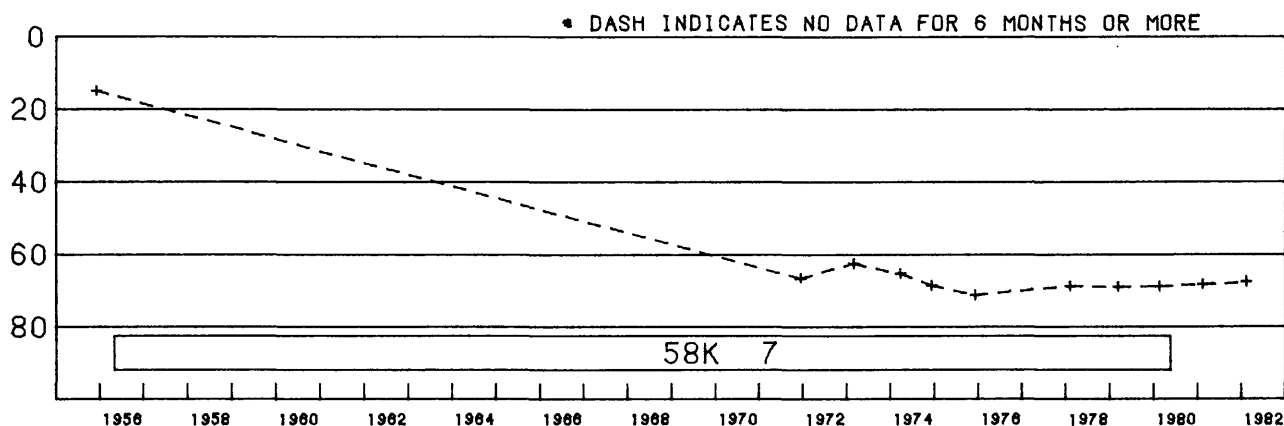
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 6 in (150 mm), depth 652 ft (198.7 m), screened 571.5 to 581.5 ft (174.2 to 177.3 m), 588.5 to 613.5 ft (179.4 to 187.0 m), 630 to 635 ft (192.0 to 193.5 m).

DATUM.--Altitude of land-surface datum is 15.0 ft (4.57 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1955, 1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft (4.57 m) below land-surface datum, Nov. 29, 1955; lowest measured, 71.26 ft (21.72 m) below land-surface datum, Dec. 8, 1975.

WATER LEVEL, IN FEET BELOW LAND SURFACE



MIDDLESEX COUNTY

373224076291001. Local number, 59J3.

LOCATION.--Lat 37°32'24", long 76°29'10", Hydrologic Unit 02080102, 1.1 mi (1.8 km) southwest of State Route 708, near Woodstock. Owner: Robert Beckwith.

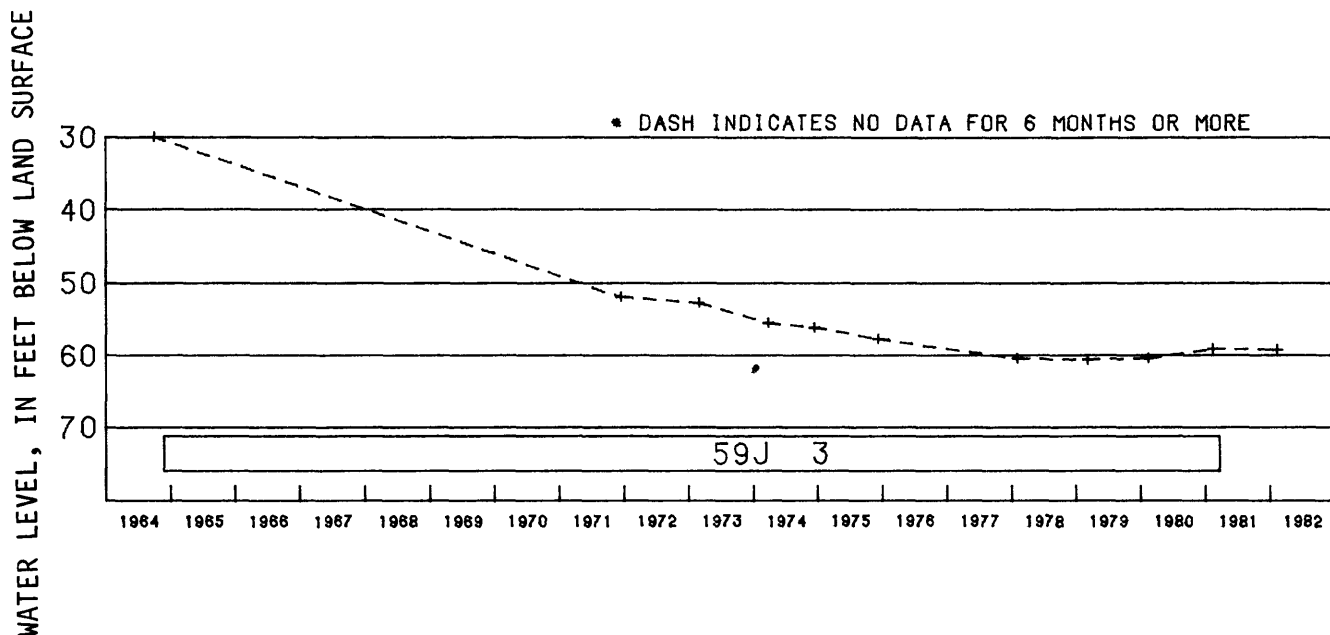
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 147 ft (44.8 m), diameter 2 in (50 mm) from 147 to 506 ft (44.8 to 154.2 m), depth 506 ft (154.2 m), screened 493 to 503 ft (150.3 to 153.3 m).

DATUM.--Altitude of land-surface datum is 18.0 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.8 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--1964, 1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.1 m) below land-surface datum, Sept. 29, 1964; lowest measured, 60.64 ft (18.48 m) below land-surface datum, Mar. 7, 1979.



MONTGOMERY COUNTY

370812080261901. Local number, 27F2.

LOCATION.--Lat 37°08'12", long 80°26'19", Hydrologic Unit 05050001, in the town of Christiansburg. Owner: Town of Christiansburg.

AQUIFER.--Beekmantown formation of Early Ordovician age.

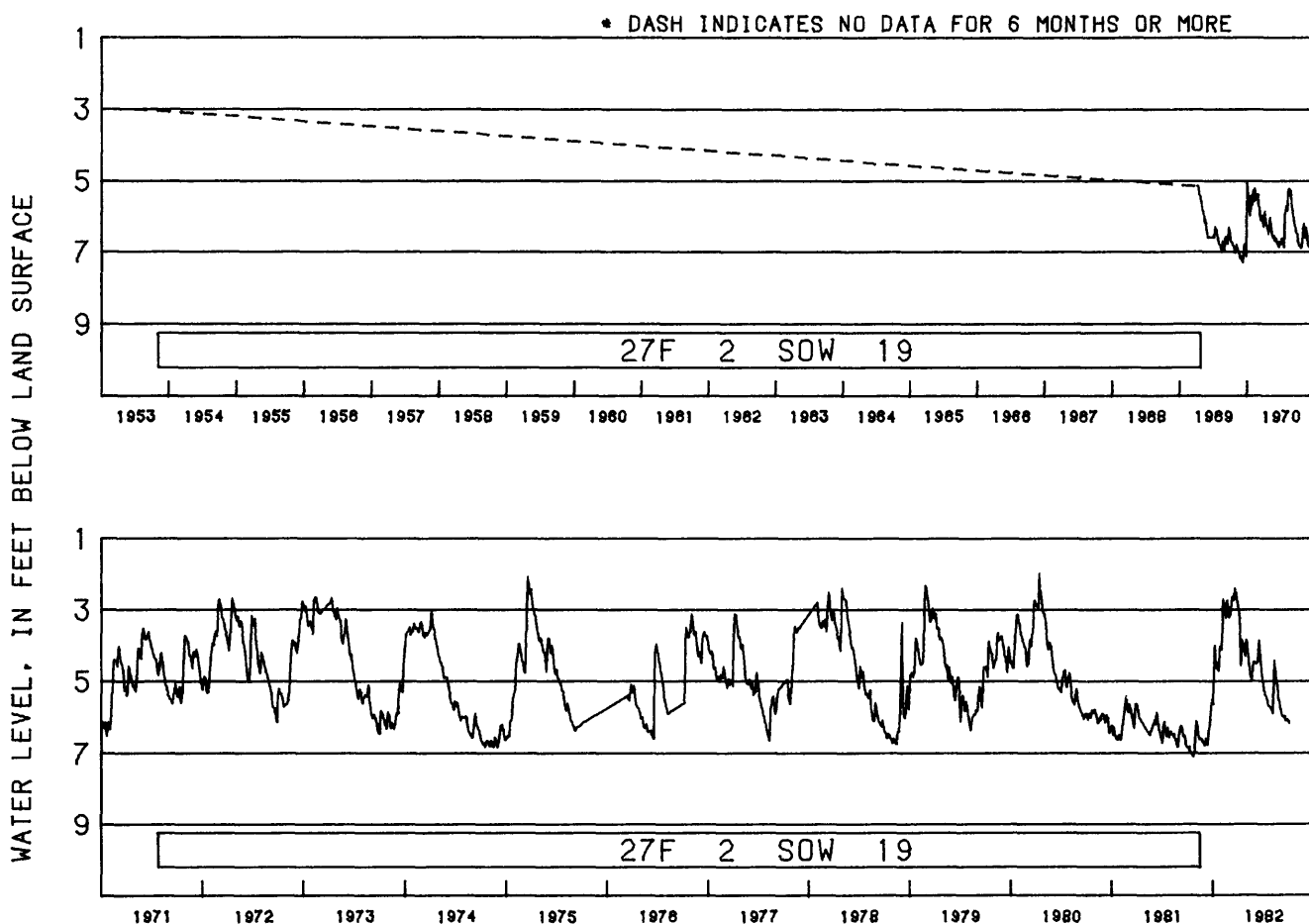
WELL CHARACTERISTICS.--Drilled unused water well, diameter 10 in (250 mm), depth 450 ft (137.2 m), length of casing unknown.

DATUM.--Altitude of land-surface datum is 1,970 ft (600 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.60 ft (0.49 m) below land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 19.

PERIOD OF RECORD.--1953, 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.98 ft (0.60 m) below land-surface datum, Apr. 14, 1980; lowest recorded, 7.30 ft (2.23 m) below land-surface datum, Dec. 5, 1969.



NELSON COUNTY

374224078555601. Local number, 39K1.

LOCATION.--Lat 37°42'24", long 78°55'56", Hydrologic Unit 02080203, near Colleen. Owner: P. D. Payne.

AQUIFER.--Lovingston (or Marshall?) formation of Precambrian age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 275 ft (83.8 m), length of casing unknown.

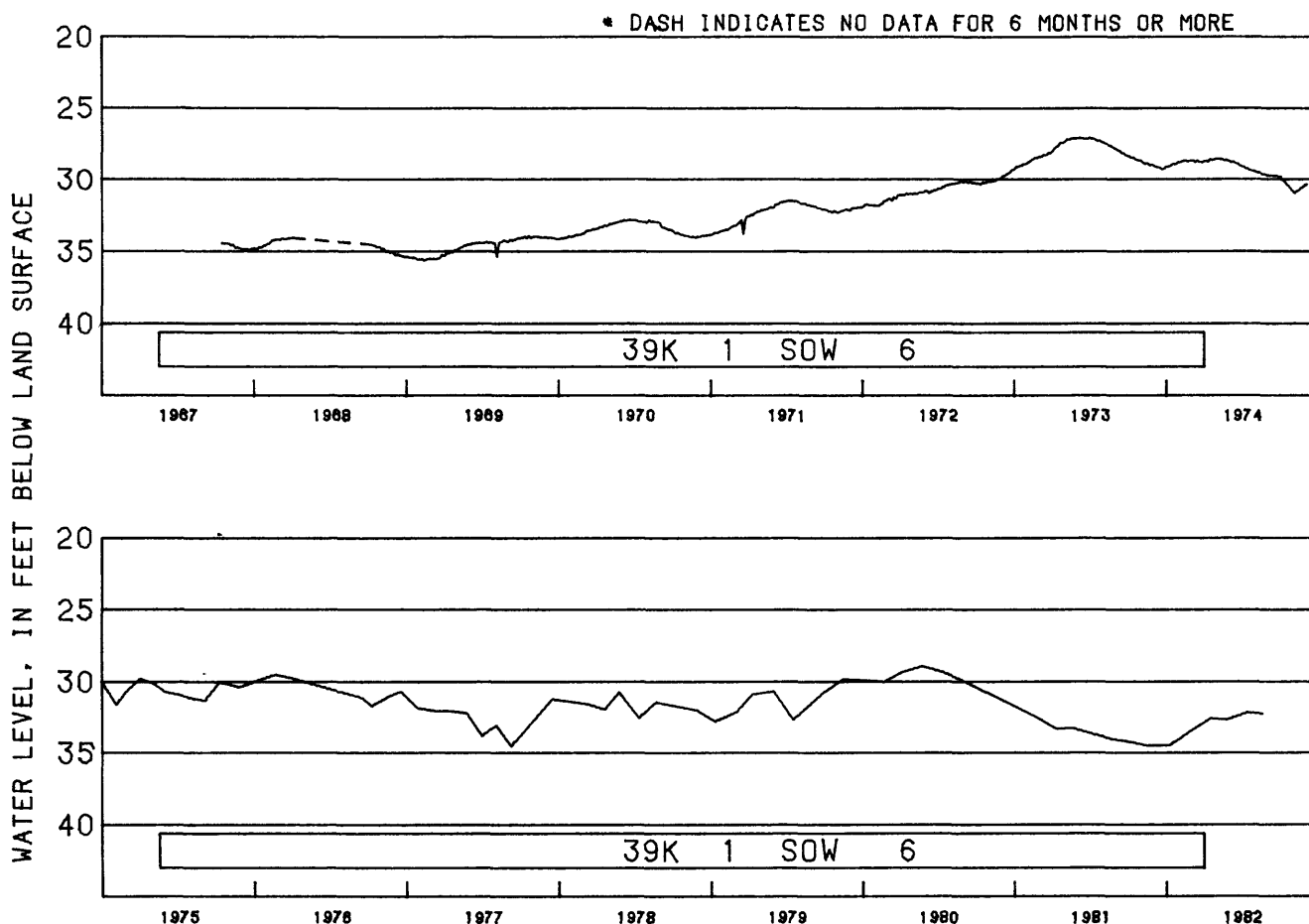
DATUM.--Altitude of land-surface datum is 770 ft (234.7 m)

National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft (0.3 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 6. Recorder removed June 26, 1974; manual measurements thereafter.

PERIOD OF RECORD.--1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 27.08 ft (8.25 m) below land-surface datum, June 29, 1973; lowest measured, 35.66 ft (10.87 m) below land-surface datum, Mar. 7, 1969.



CITY OF NEWPORT NEWS

371027076335601. Local number, 58F1.

LOCATION.--Lat 37°10'27", long 76°33'56", Hydrologic Unit 02080206, at Lee Hall Reservoir near State Route 60. Owner: City of Newport News.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in (250 mm) to 431.3 ft (131.5 m), diameter 8 in (200 mm) to 443.0 ft (135.0 m), diameter 6 in (150 mm), depth 497 ft (151.5 m), screened 443 to 489.7 ft (135.0 to 149.3 m), from 489.7 to 496.2 ft (135.0 to 151.2 m).

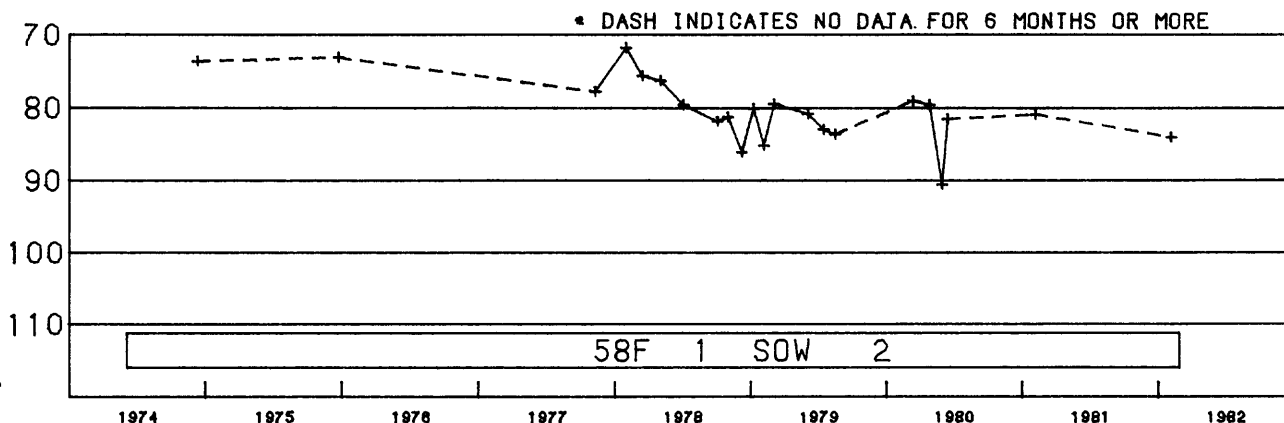
DATUM.--Altitude of land-surface datum is 20.0 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.1 ft (0.9 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 2.

PERIOD OF RECORD.--1974, 1975, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.80 ft (21.88 m) below land-surface datum, Feb. 1, 1978; lowest measured, 90.60 ft (27.61 m) below land-surface datum, May 29, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE



NEW KENT COUNTY

372428076561501. Local number, 55H1.

LOCATION.--Lat 37°24'28", long 76°56'15", Hydrologic Unit
02080206, Walkers Dam, near Walkers. Owner: City of Newport
News.

AQUIFER.--Sand of undifferentiated Cretaceous age.

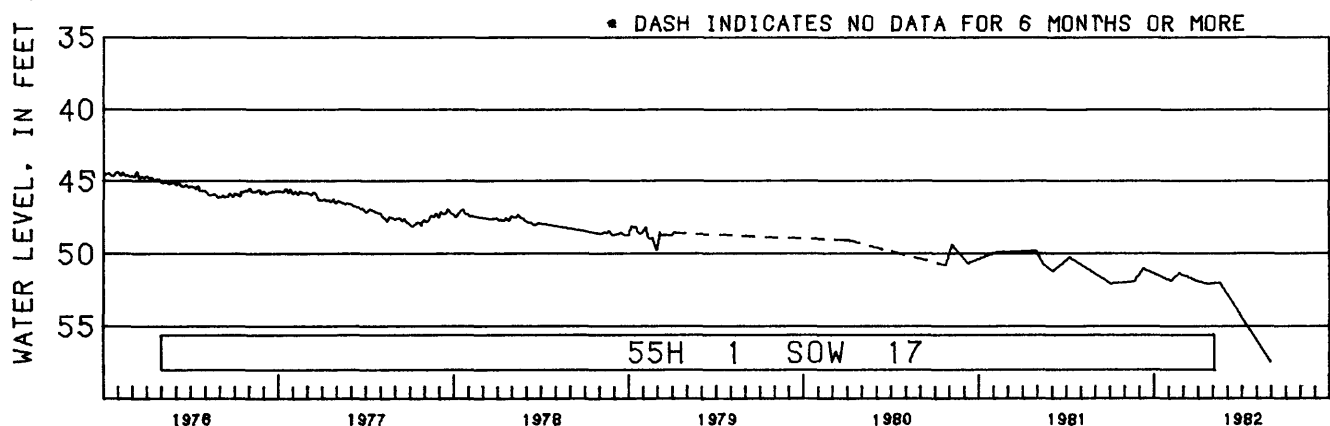
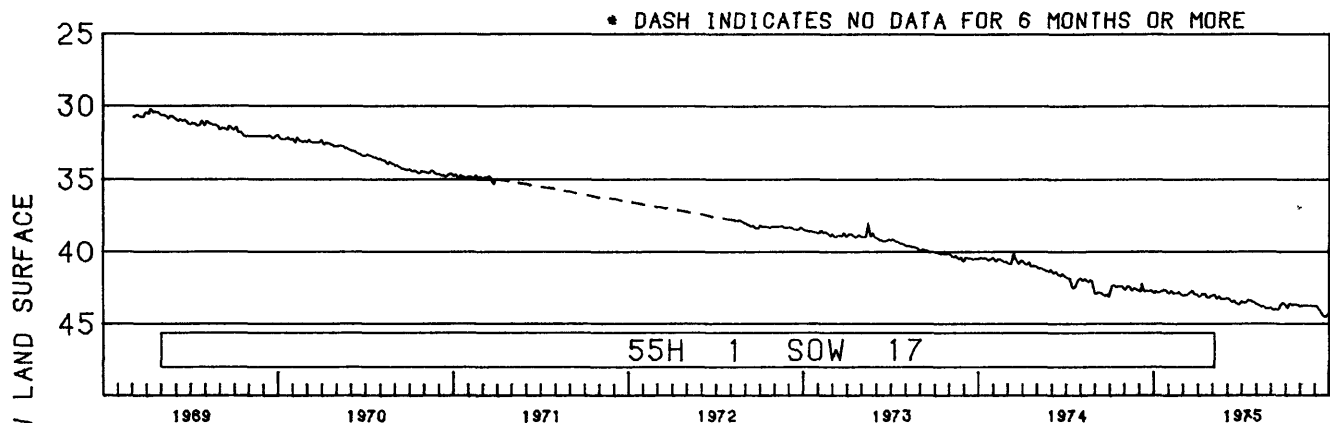
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in
(150 mm) to 145 ft (44.2 m), diameter 4 in (100 mm) from 145
to 630 ft (44.2 to 192.0 m), depth 630 ft (192.0 m), screen
(slotted casing) 252 to 257 ft (76.8 to 78.3 m), 339 to
344 ft (103.3 to 104.9 m), 439 to 444 ft (133.8 to 135.3 m),
615 to 625 ft (187.5 to 190.5 m).

DATUM.--Altitude of land-surface datum is 10 ft (3 m) National
Geodetic Vertical Datum of 1929. Measuring point: Top of
casing, 0.8 ft (0.2 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control
Board as State observation well 17. Recorder removed Apr. 5,
1979; manual measurements thereafter.

PERIOD OF RECORD.--1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded,
30.24 ft (9.22 m) below land-surface datum, Apr. 10, 1969;
lowest measured, 57.43 ft (17.50 m) below land-surface datum,
Aug. 30, 1982.



CITY OF NORFOLK

365223076122101. Local number, 61C1.

LOCATION.--Lat 36°52'23", long 76°12'21", Hydrologic Unit 02080108, Moore's Bridge Filter Plant, Norfolk. Owner: City of Norfolk.

AQUIFER.--Sand of undifferentiated Cretaceous age.

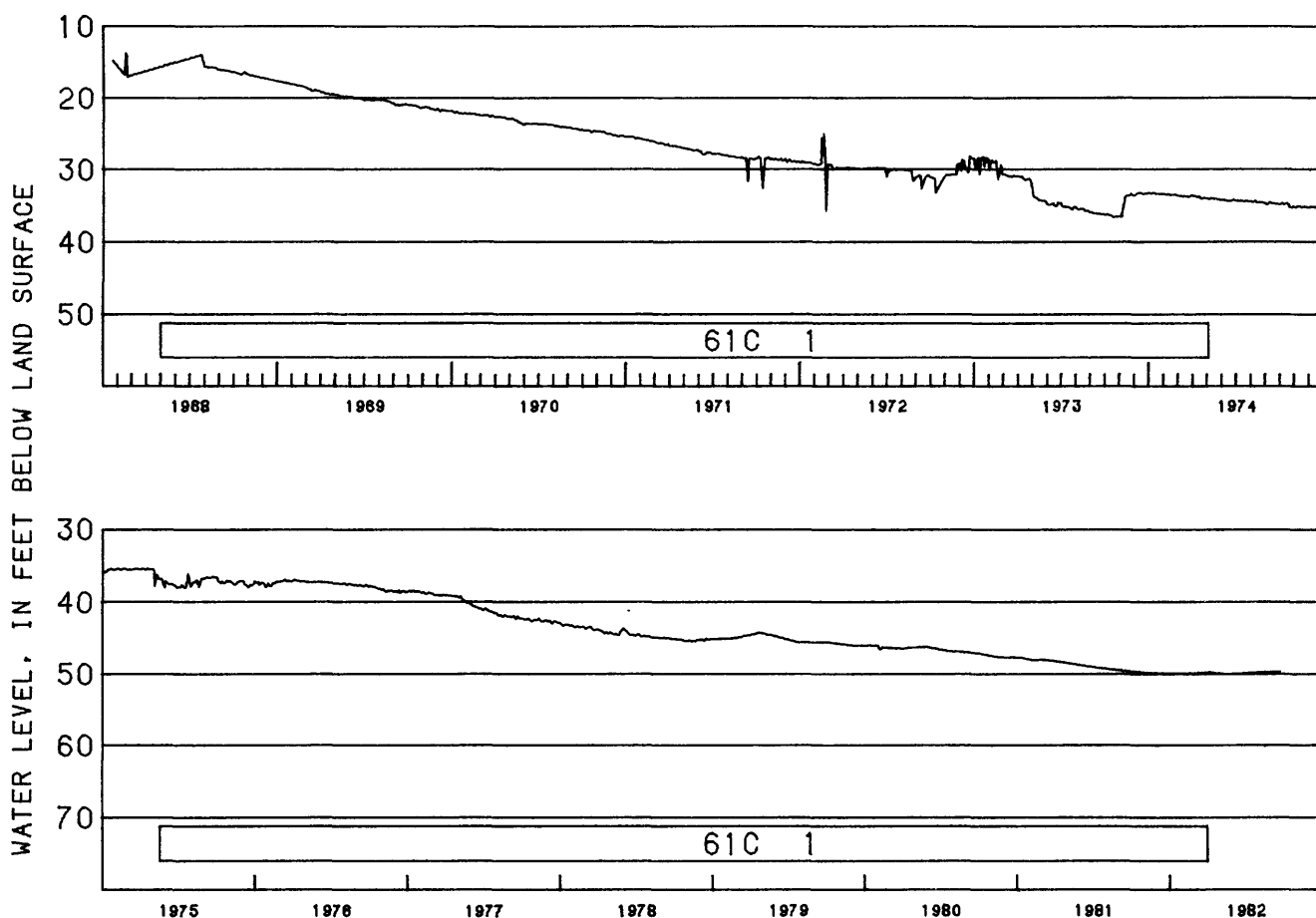
WELL CHARACTERISTICS.--Drilled observation water well, diameter 6 in (150 mm), depth 970 ft (295.7 m), screened 900 to 960 ft (274.3 to 292.6 m).

DATUM.--Altitude of land-surface datum is 10.80 ft (3.29 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.15 ft (0.96 m) above land-surface datum.

REMARKS.--U.S. Geological Survey test well 1. Water level affected by pumping and recharge operations in nearby wells May 18, 1971, to Nov. 5, 1973. Recorder removed Dec. 15, 1978; manual measurements thereafter.

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.70 ft (4.18 m) below land-surface datum, Feb. 17, 1968; lowest measured, 50.04 ft (15.25 m) below land-surface datum, May 12, 1982.



CITY OF NORFOLK

365221076121302. Local number, 61C2.

LOCATION.--Lat 36°52'21", long 76°12'15", Hydrologic Unit 02080208, Moores Bridge Filter Plant, Norfolk, near State Route 165 in Norfolk. Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

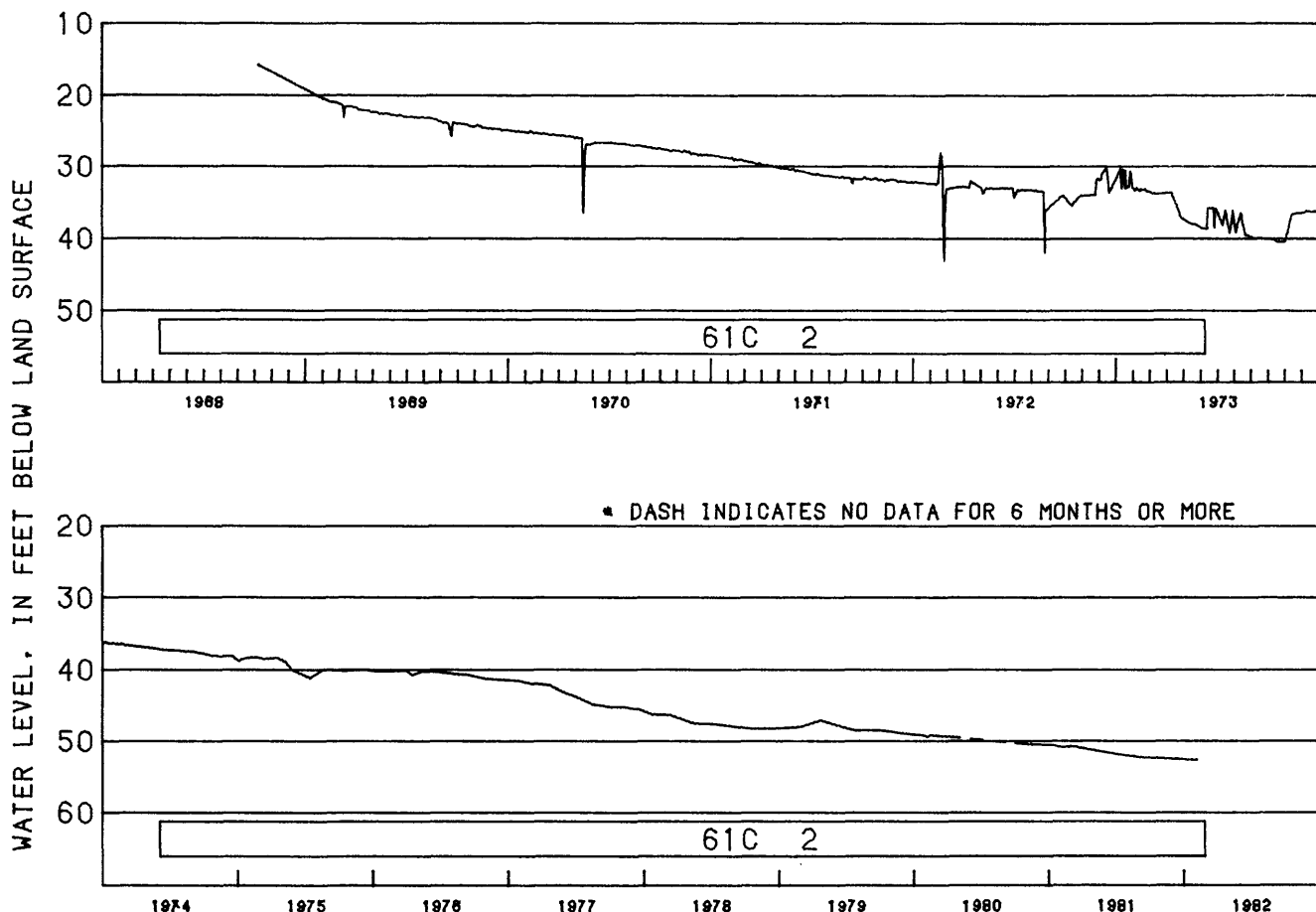
WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm), depth 1,000 ft (304.8 m), screened 900 to 990 ft (274.3 to 301.7 m).

DATUM.--Altitude of land-surface datum is 13.47 ft (4.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.30 ft (1.31 m) above land-surface datum.

REMARKS.--Water levels affected by pumping and recharging operations in nearby wells from May 18, 1971, to Nov. 5, 1973.

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.8 ft (4.82 m) below land-surface datum, Oct. 8, 1968; lowest measured, 52.69 ft (16.06 m) below land-surface datum, Feb. 3, 1982.



CITY OF NORFOLK

365221076121303. Local number, 61C3.

LOCATION.--Lat 36°52'21", long 76°12'15", Hydrologic Unit 02080208, Moores Bridge Filter Plant, Norfolk, near State Route 165 in Norfolk. Owner: U.S. Geological Survey.

AQUIFER.--Sand of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (100 mm), depth 991.0 ft (302.1 m), screened, 900 to 980.7 ft (274.3 to 298.9 m).

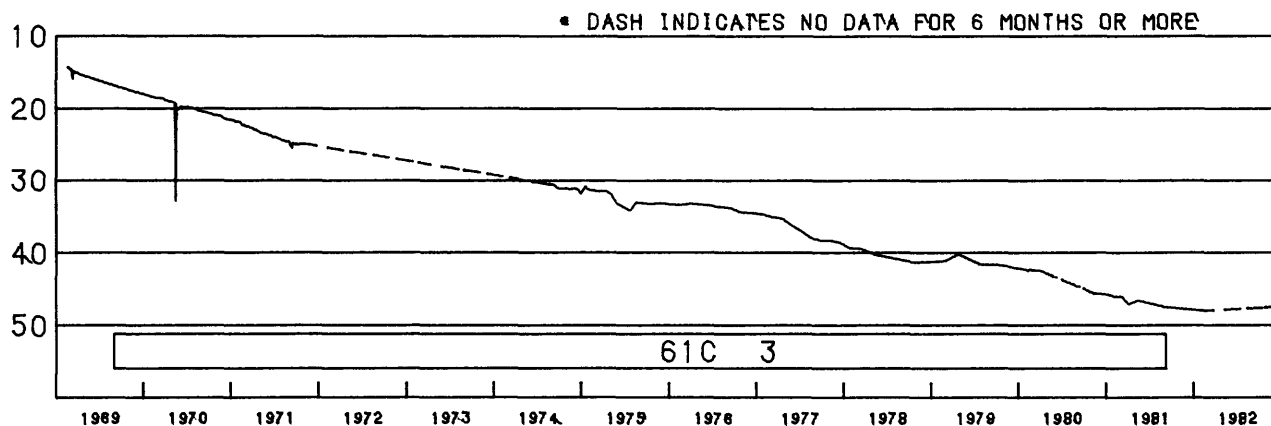
DATUM.--Altitude of land-surface datum is 7.0 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.22 ft (0.37 m) above land-surface datum.

REMARKS.--Water level affected by pumping and recharge operation in nearby wells May 18, 1971, to Nov. 5, 1973.

PERIOD OF RECORD.--1969-71, 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.30 ft (4.36 m) below land-surface datum, Feb. 19, 1969; lowest measured, 47.98 ft (14.62 m) below land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



ORANGE COUNTY

381002078094201. Local number, 45P1.

LOCATION.--Lat 38°10'02", long 78°09'42", Hydrologic Unit

02080106. Gordonsville. Owner: M. L. Johnson.

AQUIFER.--Phyllite of Evington group of Cambrian or Precambrian age.

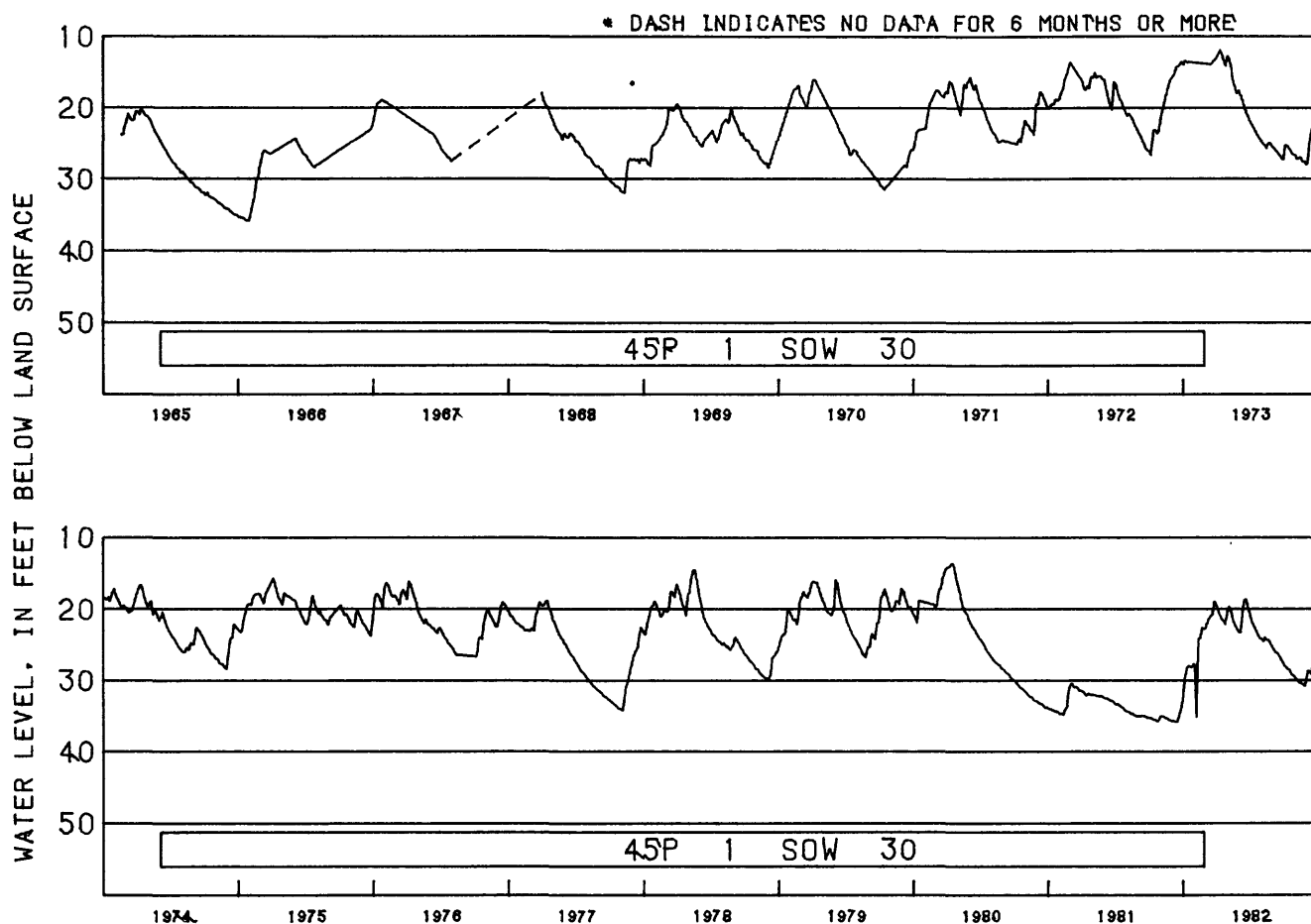
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 98 ft (29.9 m), length of casing unknown.

DATUM.--Altitude of land-surface datum is 480 ft (146 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.3 ft (0.1 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 30.

PERIOD OF RECORD.--1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 11.83 ft (3.61 m) below land-surface datum, Apr. 10, 1973; lowest recorded, 35.90 ft (10.94 m) below land-surface datum, Jan. 31, 1966.



PRINCE WILLIAM COUNTY

384931077420301. Local number, 49U1.

LOCATION.--Lat 38°49'30", long 77°42'08", Hydrologic Unit 02070010, north of State Route 55 near Thoroughfare Gap, 3.7 mi (6.0 km) west of Haymarket. Owner: Virginia Department of Highways and Transportation.

AQUIFER.--Shale and sandstone of Newark group of Triassic age.

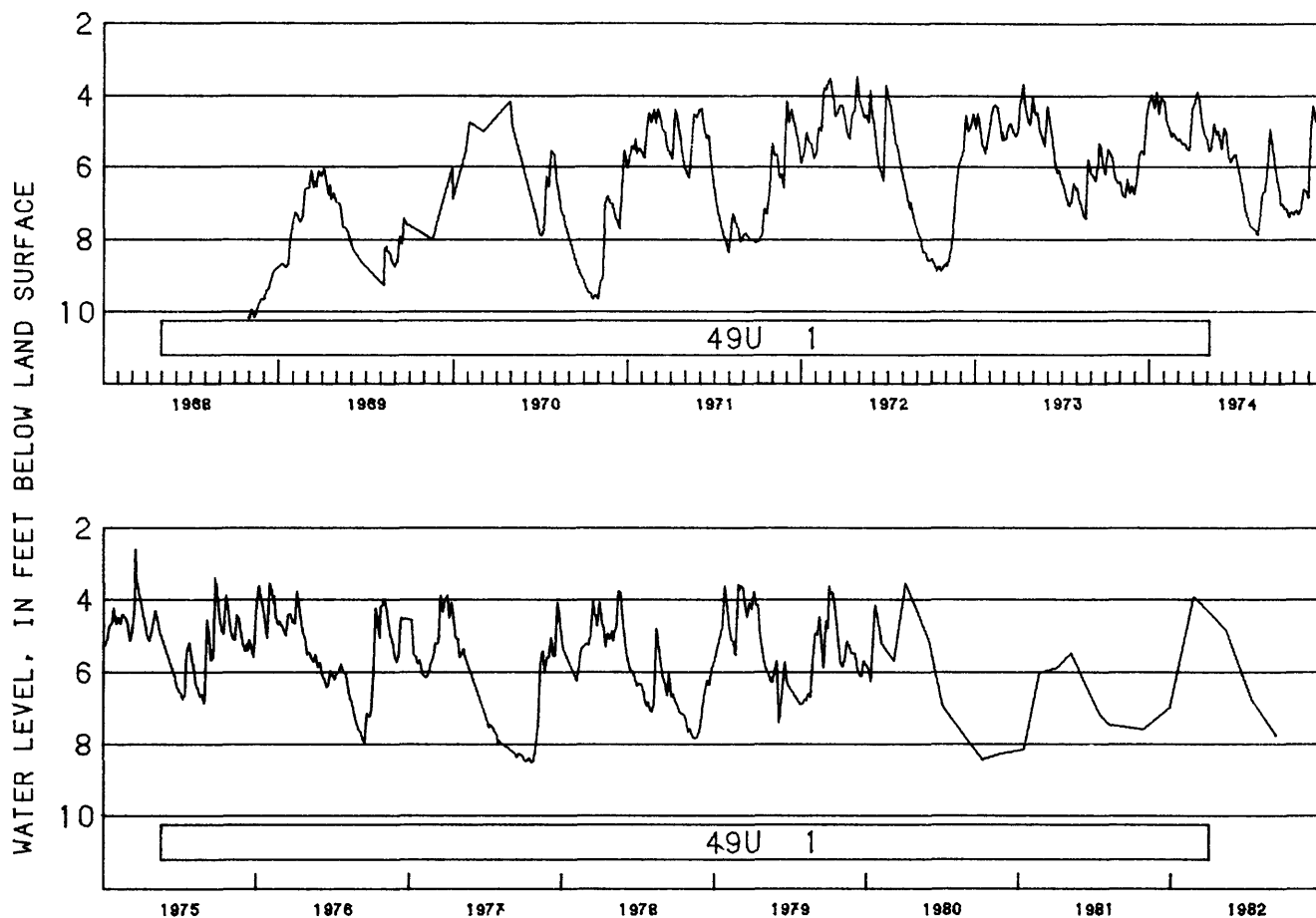
WELL CHARACTERISTICS.--Drilled observation water well, diameter 7 in (175 mm), depth 345 ft (105.2 m), cased to 20 ft (6.1 m), open hole 20 to 345 ft (6.1 to 105.2 m).

DATUM.--Altitude of land-surface datum is 383 ft (117 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.6 m) above land-surface datum.

REMARKS.--Recorder removed Feb. 9, 1980; manual measurements thereafter.

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.59 ft (0.79 m) below land-surface datum, Mar. 19, 1975; lowest recorded, 10.22 ft (3.12 m) below land-surface datum, Nov. 8, 9, 1968.



PRINCE WILLIAM COUNTY

385607077381101. Local number, 49V1.

LOCATION.--Lat $38^{\circ}56'07''$, long $77^{\circ}38'11''$, Hydrologic Unit 02070010, north of Haymarket at intersection of State Routes 600 and 615. Owner: J. H. Hutchison.

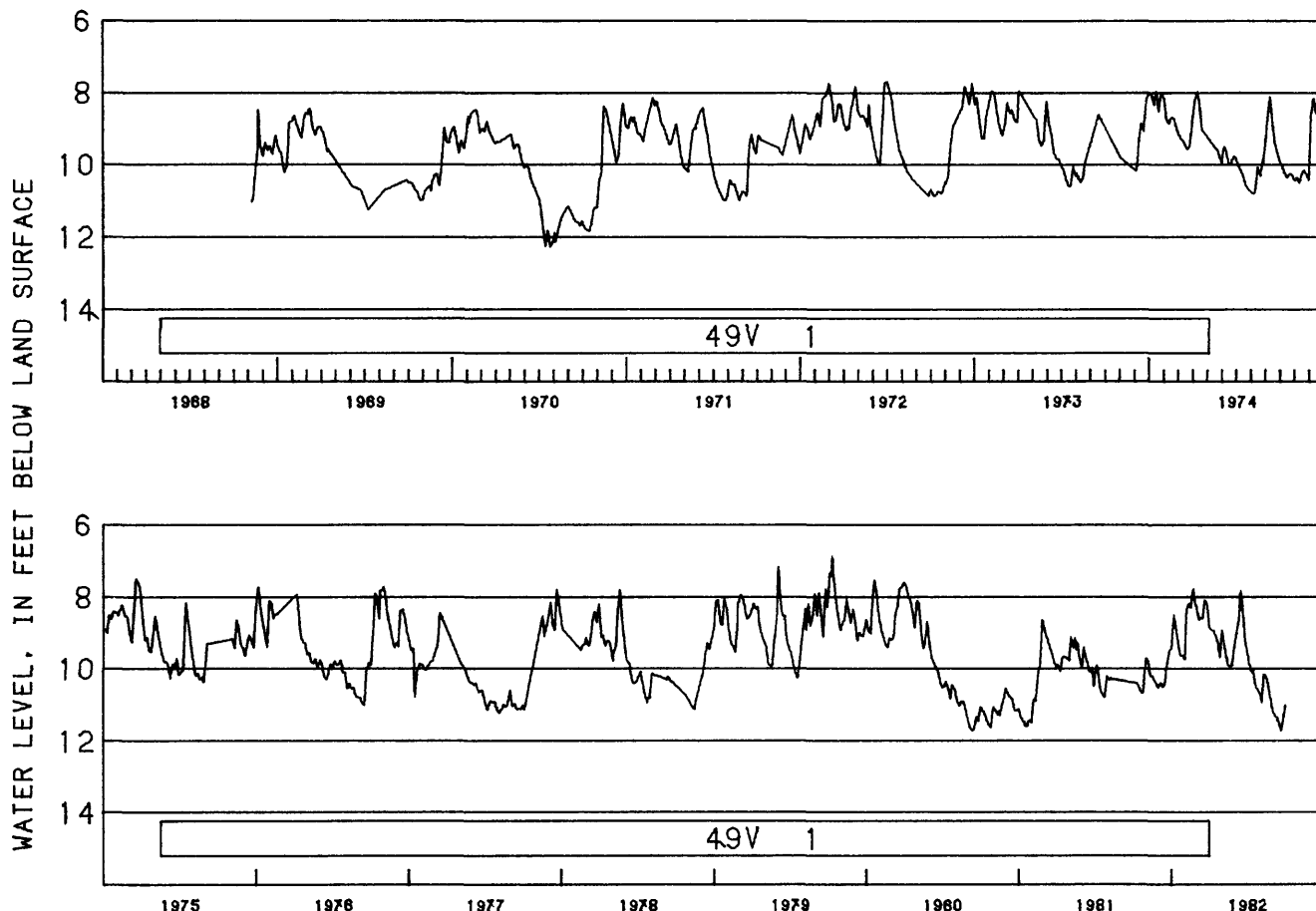
AQUIFER.--Shale and sandstone of Newark group of Triassic age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 7 in (175 mm), depth 165 ft (50.3 m), cased to 10 ft (3.0 m), open hole 10 to 165 ft (3.0 to 50.3 m).

DATUM.--Altitude of land-surface datum is 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.85 ft (2.09 m) below land-surface datum, Oct. 12, 1979; lowest recorded, 12.28 ft (3.74 m) below land-surface datum, July 12, 13, 1970.



PRINCE WILLIAM COUNTY

383423077245901. Local number, 51S7.

LOCATION.--Lat 38°34'23", long 77°24'59", Hydrologic Unit 02070011, 0.7 mi (1.1 km) southeast of Belfair Crossroads and 700 ft (213.4 m) north of State Route 619. Owner: National Park Service.

AQUIFER.--Wissahickan Formation of Paleozoic age.

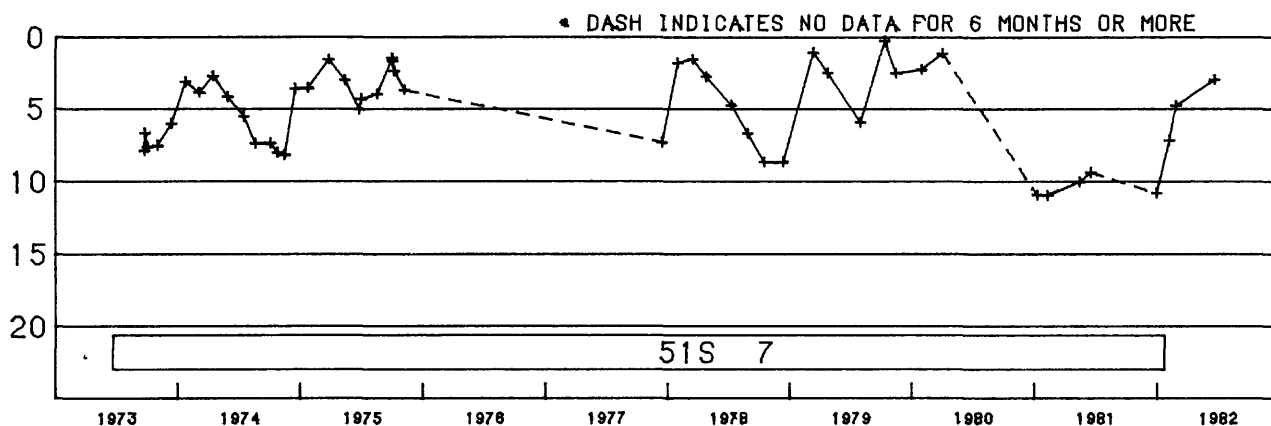
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (150 mm), depth 490 ft (149.4 m), cased to 50 ft (15.2 m), open hole 50 to 490 ft (15.2 to 149.4 m).

DATUM.--Altitude of land-surface datum is 295 ft (90 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1973-75, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.27 ft (0.08 m) below land-surface datum, Oct. 11, 1979; lowest measured, 10.95 ft (3.33 m) below land-surface datum, Feb. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



PRINCE WILLIAM COUNTY

383634077151301. Local number, 52S4.

LOCATION.--Lat 38°36'34", long 77°15'13", Hydrologic Unit
02070010, near Woodbridge. Owner: District of Columbia
Department of Sanitary Engineering.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

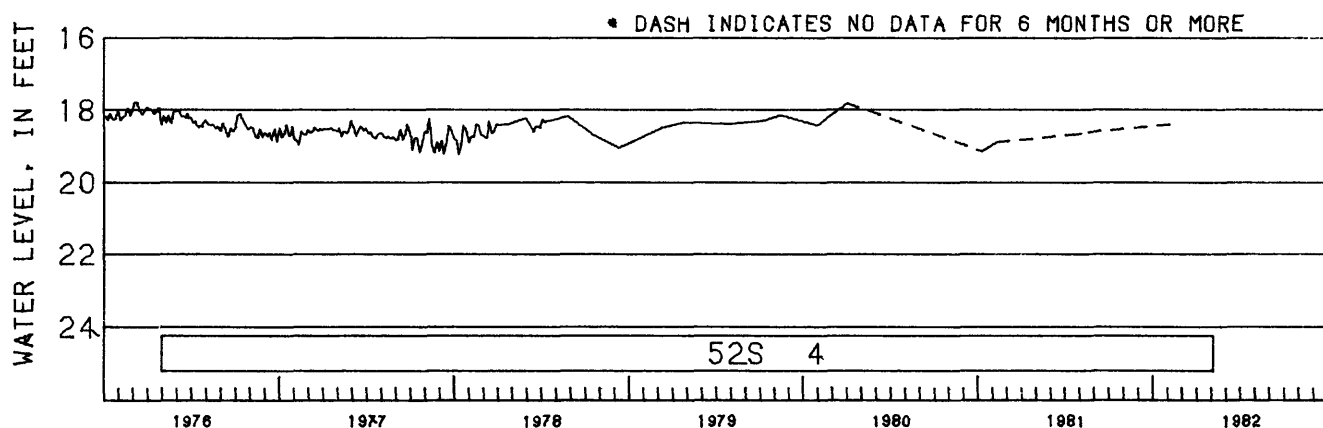
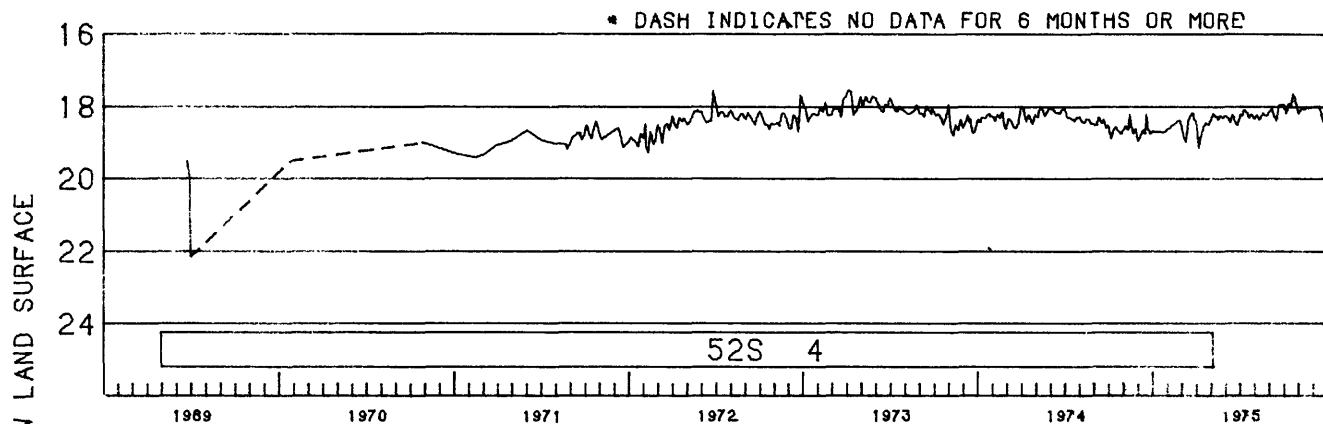
WELL CHARACTERISTICS.--Drilled observation water well, diameter
10 in (250 mm) to 156 ft (47.5 m), diameter 6 in (150 mm)
from 156 to 186 ft (47.5 to 56.7 m), depth 186 ft (56.7 m),
screened 156 to 176 ft (47.5 to 53.6 m).

DATUM.--Altitude of land-surface datum is 28 ft (9 m) National
Geodetic Vertical Datum of 1929. Measuring point: Top of
casing, 1.9 ft (0.6 m) above land-surface datum.

REMARKS.--Featherstone test well 1. Manual measurements prior
to recorder installation Aug. 26, 1971; recorder removed
July 10, 1978; manual measurements thereafter.

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded,
17.54 ft (5.36 m) below land-surface datum, June 25, 1972;
lowest measured, 22.17 ft (6.76 m) below land-surface datum,
July 1, 1969.



PRINCE WILLIAM COUNTY

383634077151302. Local number, 52S5.

LOCATION.--Lat 38°36'34", long 77°15'13", Hydrologic Unit
02070010, near Woodbridge. Owner: District of Columbia
Department of Sanitary Engineering.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter
6 in (150 mm), depth 114 ft (34.7 m), screened 95 to 105 ft
(29.0 to 32.0 m).

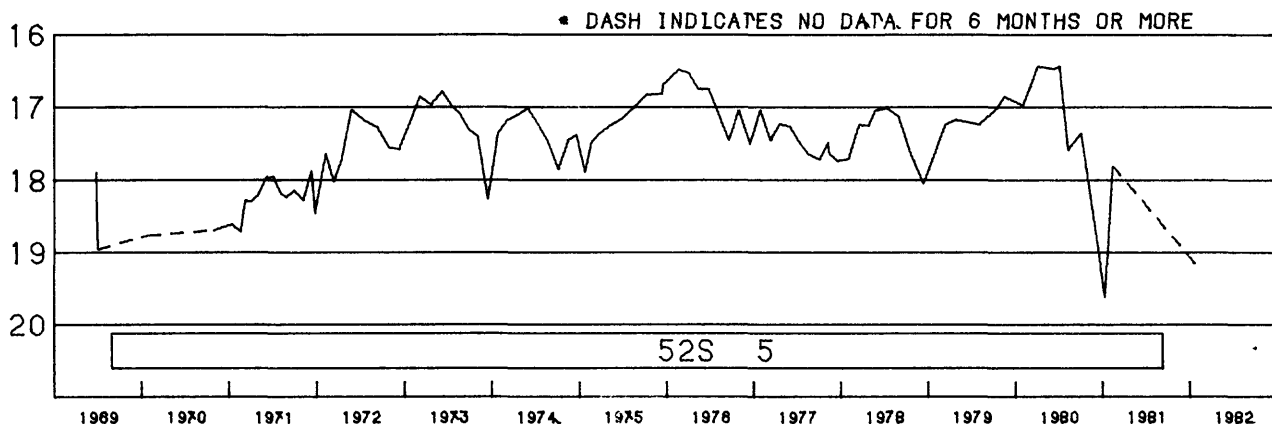
DATUM.--Altitude of land-surface datum is 28 ft (9 m) National
Geodetic Vertical Datum of 1929. Measuring point: Top of
casing, 2.20 ft (0.67 m) above land-surface datum.

REMARKS.--Featherstone test well 2.

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
16.44 ft (5.01 m) below land-surface datum, Apr. 1, 1980;
lowest measured, 19.62 ft (5.98 m) below land-surface datum,
Jan. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



PULASKI COUNTY

370516080411501. Local number, 25E2.

LOCATION.--Lat 37°05'16", long 80°41'15", Hydrologic Unit 05050001, in the town of Dublin. Owner: Town of Dublin.

AQUIFER.--Conococheague formation of Late Cambrian age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 4 in (100 mm), depth 370 ft (112.8 m), length of casing unknown.

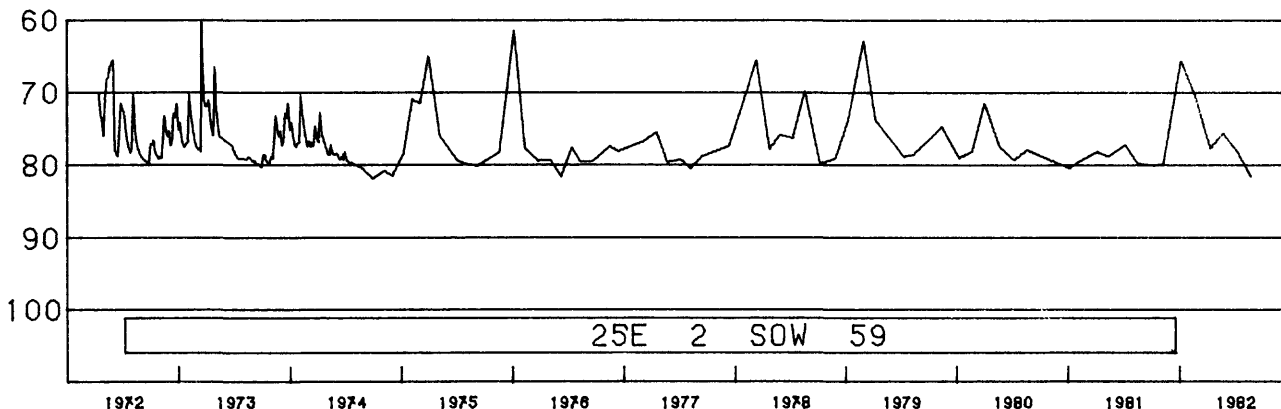
DATUM.--Altitude of land-surface datum is 2,170 ft (661 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 59. Recorder removed July 21, 1974; manual measurements thereafter.

PERIOD OF RECORD.--1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 60.00 ft (18.29 m) below land-surface datum, Mar. 18, 1973; lowest measured, 81.89 ft (24.96 m) below land-surface datum, Sept. 30, 1974.

WATER LEVEL, IN FEET BELOW LAND SURFACE



RICHMOND COUNTY

375801076503701. Local number, 56M6.

LOCATION.--Lat 37°58'01", long 76°48'05", Hydrologic Unit 02080104, 2.5 mi (4.0 km) west of Warsaw, on State Route 634. Owner: Douglas and Dickenson, Inc.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 105 ft (32.0 m), diameter 2 in (50 mm) from 105 to 458 ft (32.0 to 139.6 m), depth 458 ft (139.6 m) screened, diameter 2 in (50 mm) from 438 to 453 ft (133.5 to 138.1 m).

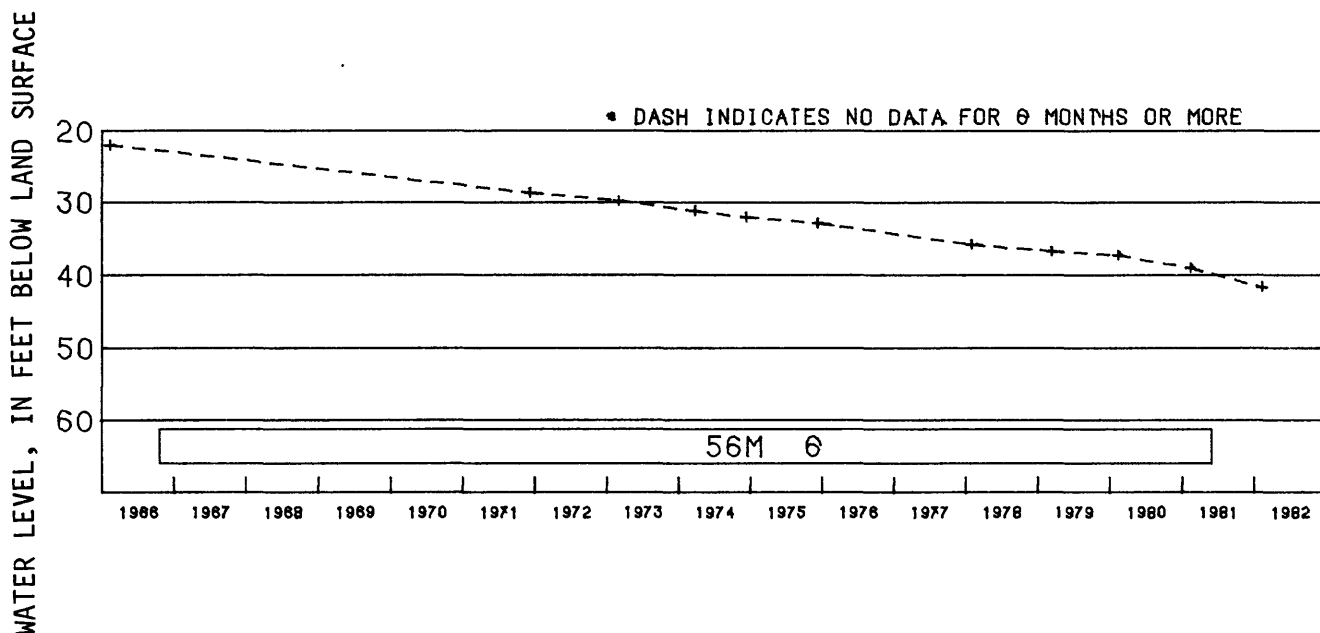
DATUM.--Altitude of land-surface datum is 34 ft (10.4 m)

National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1966, 1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.00 ft (6.70 m) below land-surface datum, Feb. 9, 1966; lowest measured, 41.64 ft (12.69 m) below land-surface datum, Feb. 10, 1982.



RICHMOND COUNTY

375755076505601. Local number, 56M7.

LOCATION.--Lat 37°57'55", long 76°50'56", Hydrologic Unit 02080104, 1.5 mi (2.4 km) southeast of Naylor's Beach on State Route 634. Owner: Robert Mallory.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

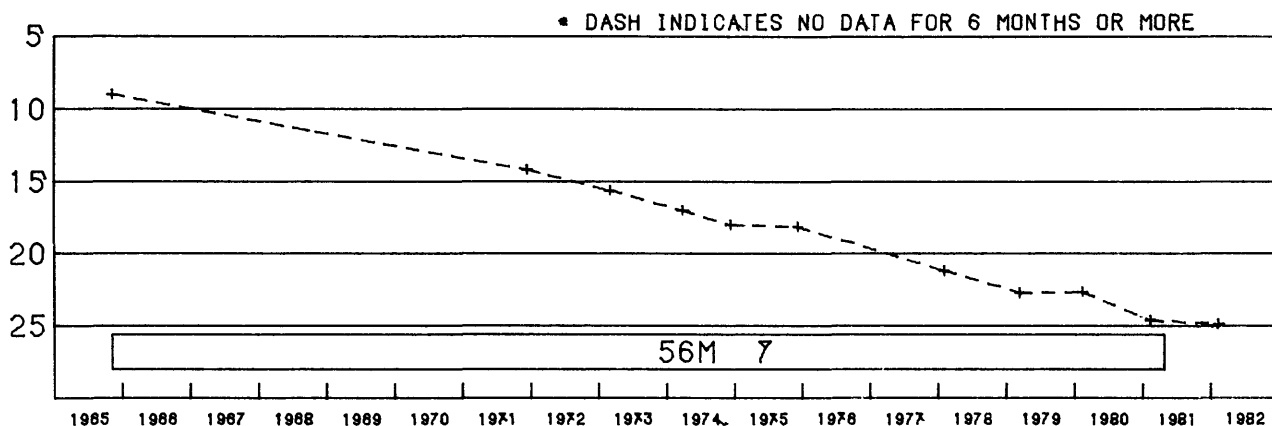
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 105 ft (32.0 m), diameter 2 in (50 mm) from 105 to 456 ft (32.0 to 139.0 m), depth 456 ft (139.0 m), screened 398 to 408 ft (121.3 to 124.4 m), 429 to 439 ft (130.8 to 133.8 m).

DATUM.--Altitude of land-surface datum is 18 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--1965, 1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.0 ft (2.74 m) below land-surface datum, Nov. 5, 1965; lowest measured, 24.90 ft (7.59 m) below land-surface datum, Feb. 10, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF ROANOKE

371653079552101. Local number, 31G1.

LOCATION.--Lat 37°16'53", long 79°55'21", Hydrologic Unit 03010101, in the city of Roanoke. Owner: Nelson-Roanoke Corporation.

AQUIFER.--Rome Formation of Cambrian age. Prior to 1974, reported as Elbrook Formation.

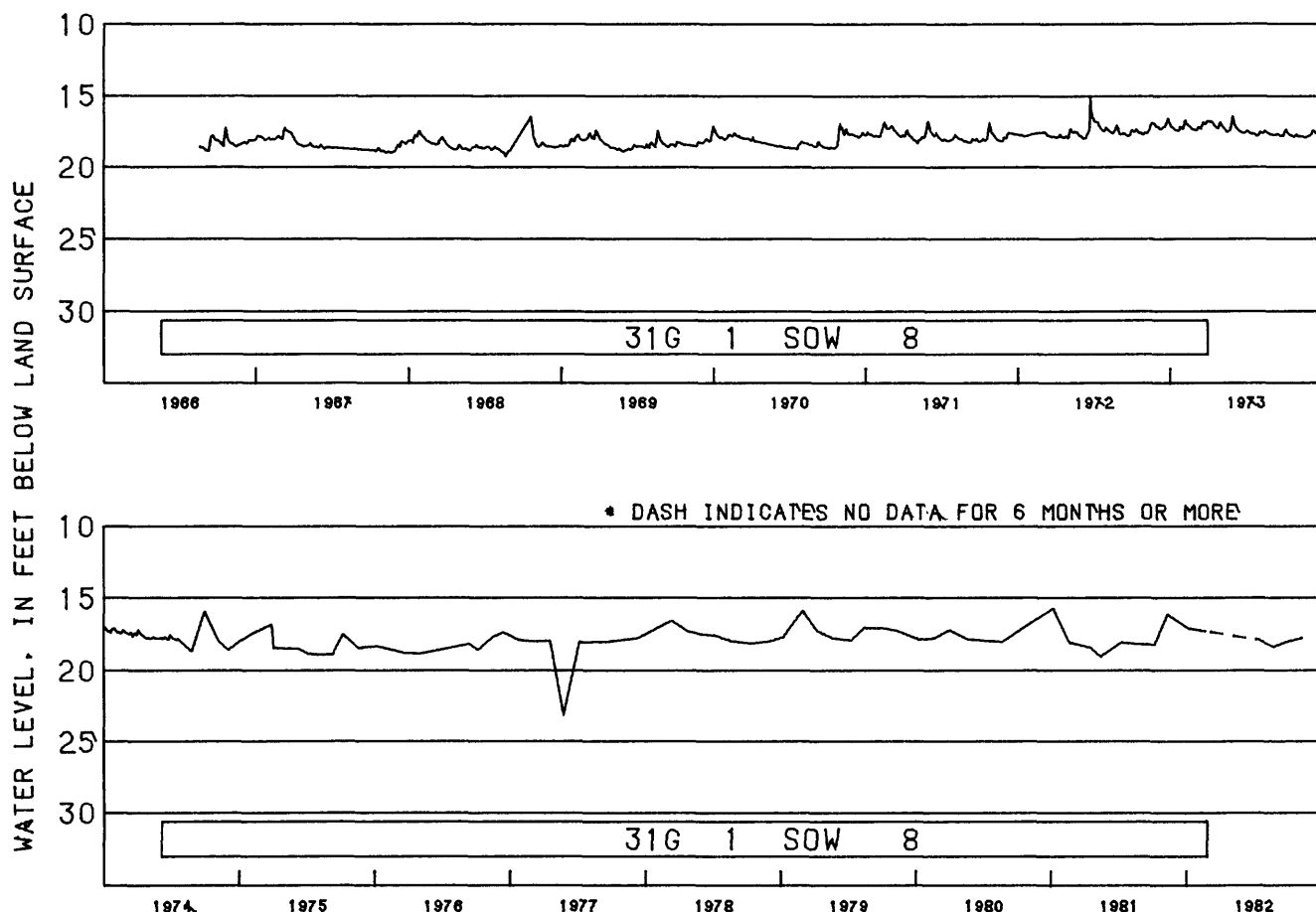
WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 48 ft (14.6 m), length of casing unknown.

DATUM.--Altitude of land-surface datum is 930 ft (283 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.9 ft (0.3 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 8. Recorder removed July 21, 1974; manual measurements thereafter.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.97 ft (4.56 m) below land-surface datum, June 22, 1972; lowest measured, 23.15 ft (7.06 m) below land-surface datum, May 23, 1977.



ROCKBRIDGE COUNTY

373758079271601. Local number, 35K1.

LOCATION.--Lat 37°37'58", long 79°27'16", Hydrologic Unit 02080202, in the town of Glasgow. Owner: Town of Glasgow.

AQUIFER.--Rome Formation of Cambrian age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in (150 mm), depth 700 ft (213.3 m), cased to 101 ft (30.8 m), open hole from 101 to 700 ft (30.8 to 213.3 m).

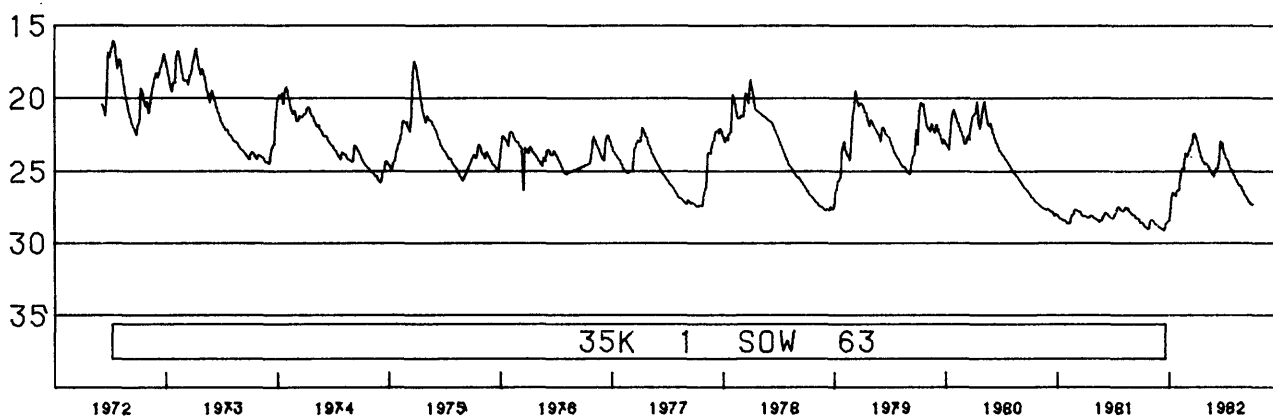
DATUM.--Altitude of land-surface datum is 745 ft (227 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.6 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 63.

PERIOD OF RECORD.--1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.92 ft (4.85 m) below land-surface datum, July 8, 1972; lowest recorded, 29.13 ft (8.88 m) below land-surface datum, Dec. 13, 14, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



ROCKINGHAM COUNTY

382150078424001. Local number, 41Q1.

LOCATION.--Lat 38°21'50", long 78°42'40", Hydrologic Unit 02070005, at Virginia Department of Highways and Transportation garage near McGaheysville. Owner: U.S. Geological Survey.

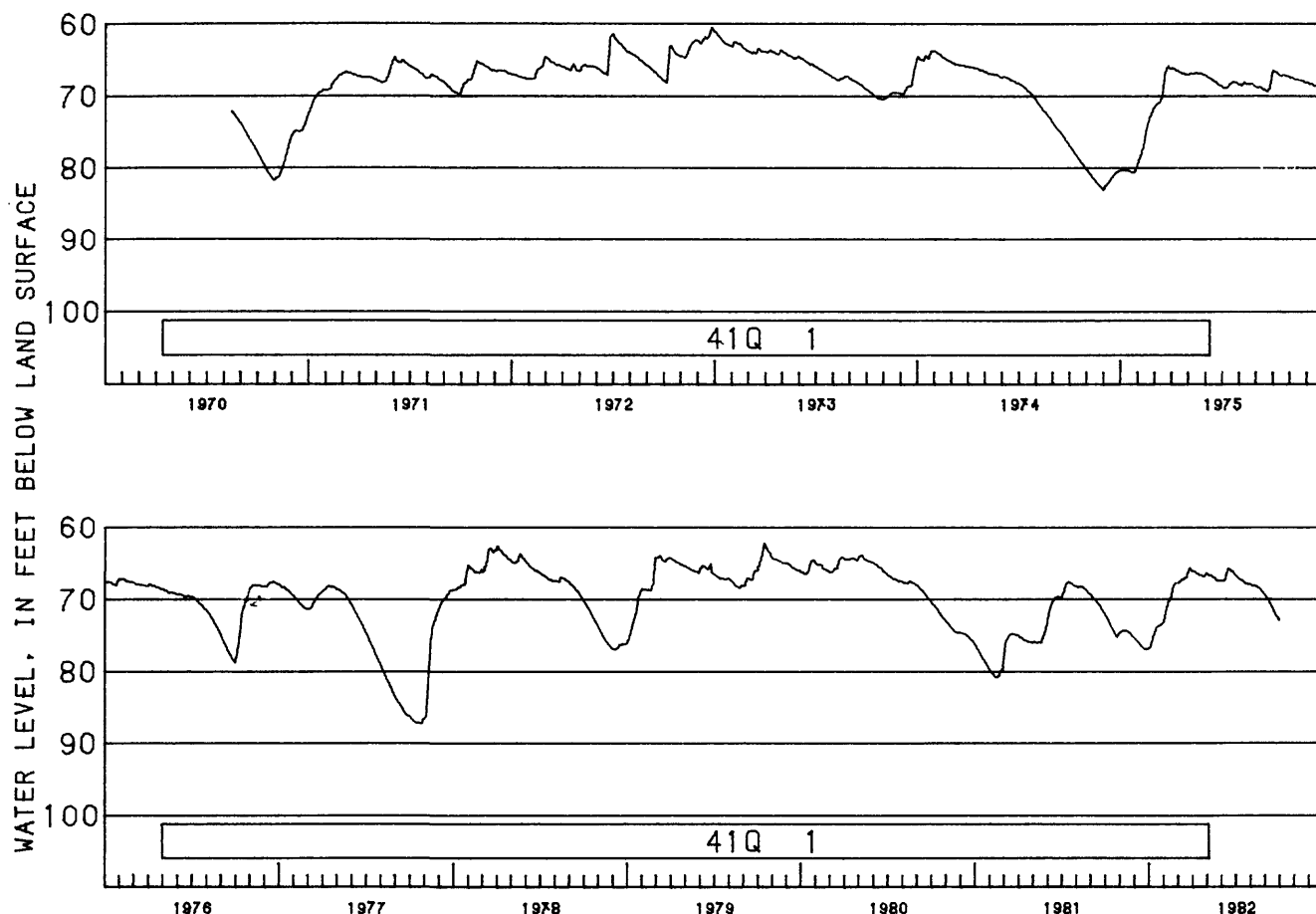
AQUIFER.--Conococheague limestone of late Cambrian age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 6 1/4 in (158 mm), depth 310 ft (94.5 m), cased to 131 ft (39.9 m), open hole 131 to 310 ft (39.9 to 94.5 m).

DATUM.--Altitude of land-surface datum is 1,105 ft (337 m) National Geodetic Vertical Datum of 1929. Measuring point: Top edge of recorder shelf, 3.50 ft (1.07 m) above land-surface datum.

PERIOD OF RECORD.--1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 60.38 ft (18.40 m) below land-surface datum, Dec. 26, 1972; lowest recorded, 87.18 ft (26.57 m) below land-surface datum, Oct. 26, 1977.



SOUTHAMPTON COUNTY

364120077230601. Local number, 51B1.

LOCATION.--Lat 36°41'20", long 77°23'06", Hydrologic Unit 03010201, in Adams Grove on State Route 615, north of State Route 58. Owner: J. W. Fox.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

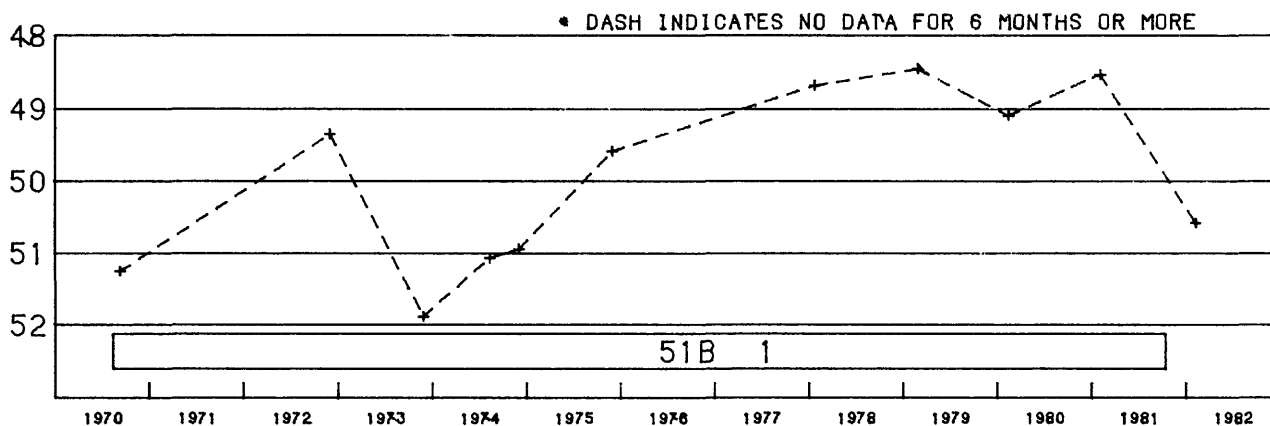
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 112.0 ft (34.1 m), depth 122 ft (37.2 m), screened, 112 to 122 ft (34.1 to 37.2 m).

DATUM.--Altitude of land-surface datum is 115.0 ft (35.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal, 2.0 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--1970, 1972-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.45 ft (14.77 m) below land-surface datum, Feb. 28, 1979; lowest measured, 51.88 ft (15.81 m) below land-surface datum, Nov. 26, 1973.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

364109077230701. Local number, 51B3.

LOCATION.--Lat 36°41'09", long 77°23'07", Hydrologic Unit 03010201, 150 ft (45.7 m) east of the intersection of State Route 615 and U.S. Highway 58, near Adams Grove. Owner: U.S. Geological Survey.

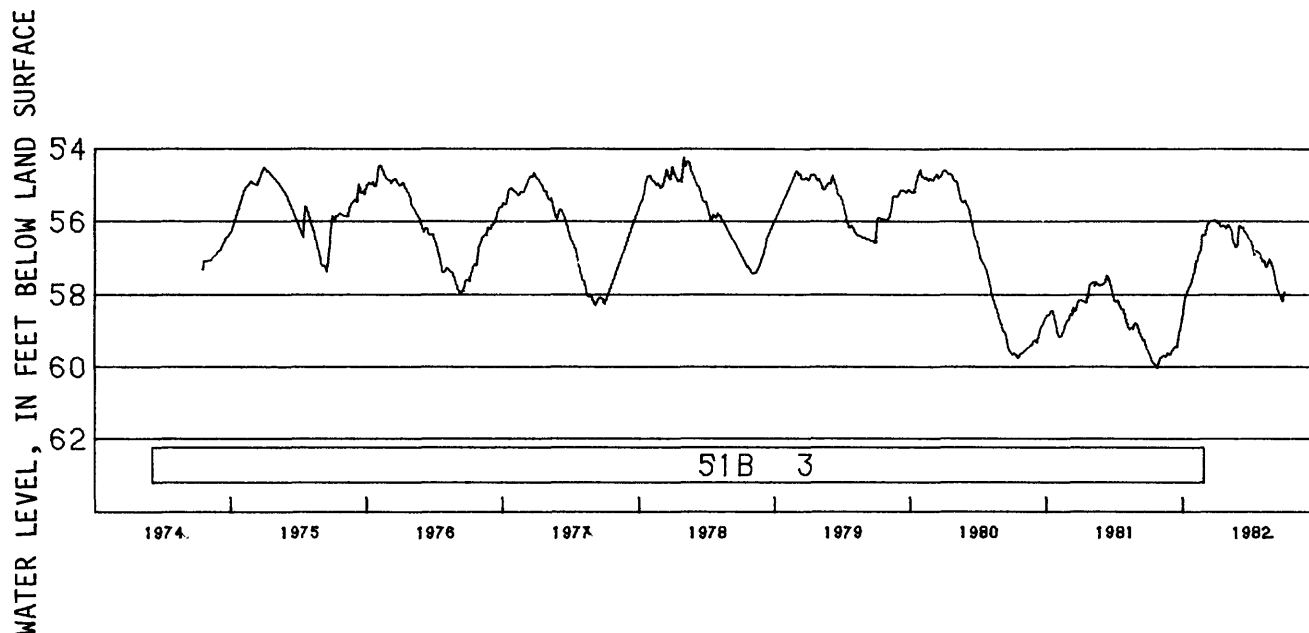
AQUIFER.--Sand of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in (100 mm), depth 253 ft (77.1 m), screened 165 to 175 ft (50.3 to 53.3 m), open hole from 175 to 253 ft (53.3 to 77.1 m).

DATUM.--Altitude of land-surface datum is 126 ft (38.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.20 ft (0.98 m) above land-surface datum.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.21 ft (16.52 m) below land-surface datum, Apr. 30, 1978; lowest measured, 60.03 ft (18.30 m) below land-surface datum, Oct. 24, 25, 1981.



SOUTHAMPTON COUNTY

363410077150801. Local number, 52A1.

LOCATION.--Lat 36°34'10", long 77°15'08", Hydrologic Unit 03010204, in Branchville, along Seaboard Coastline on State Route 195. Owner: L. W. Grizzard.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

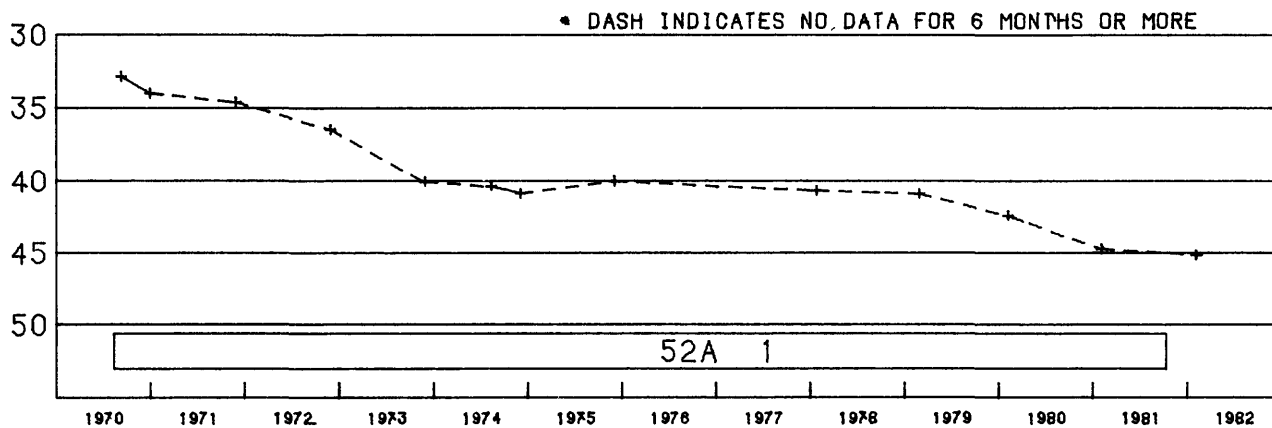
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 217.0 ft (66.1 m), depth 217 ft (66.1 m), screened 204 to 217 ft (62.2 to 66.1 m).

DATUM.--Altitude of land-surface datum is 44 ft (13.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing. 0.8 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.85 ft (10.01 m) below land-surface datum, Sept. 9, 1970; lowest measured, 45.13 ft (13.75 m) below land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

364239077115801. Local number, 53B1.

LOCATION.--Lat 36°42'39", long 77°11'58", Hydrologic Unit 03010201, along State Route 654 in Capron. Owner: Town of Capron.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

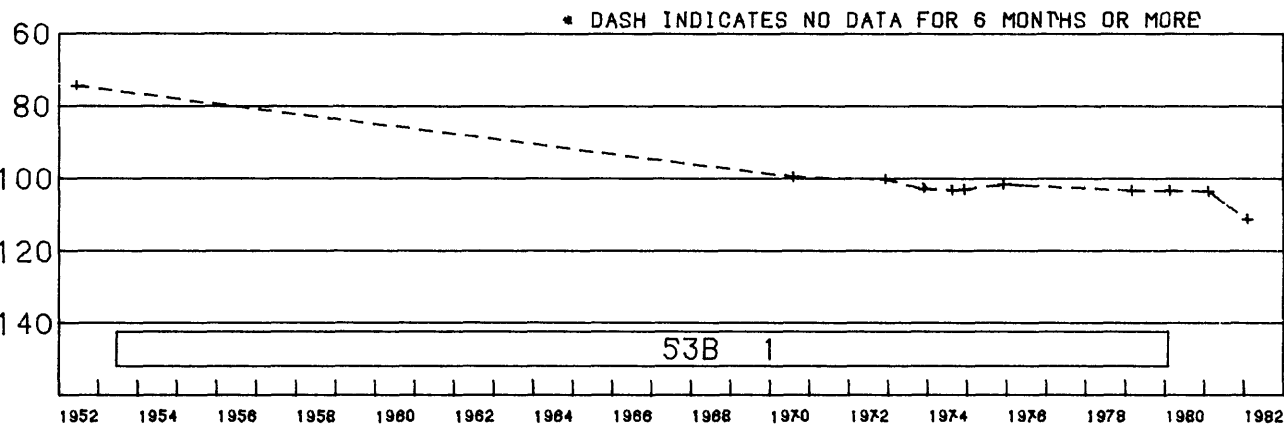
WELL CHARACTERISTICS.--Drilled public supply well, diameter 8 in (200 mm) to 221 ft (67.4 m), depth 221 ft (67.4 m), screened 200 to 221 ft (61.0 to 67.4 m).

DATUM.--Altitude of land-surface datum is 115.0 ft (35.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing is 1.6 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--June 1952, 1970, 1972-75, 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.5 ft (22.71 m) below land-surface datum, June 9, 1952; lowest measured, 111.28 ft (33.92 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

363738077073101. Local number, 53B4.

LOCATION.--Lat 36°37'38", long 77°07'31", Hydrologic Unit 03010201, in the Town of Newsons near railroad line. Owner: Town of Newsons.

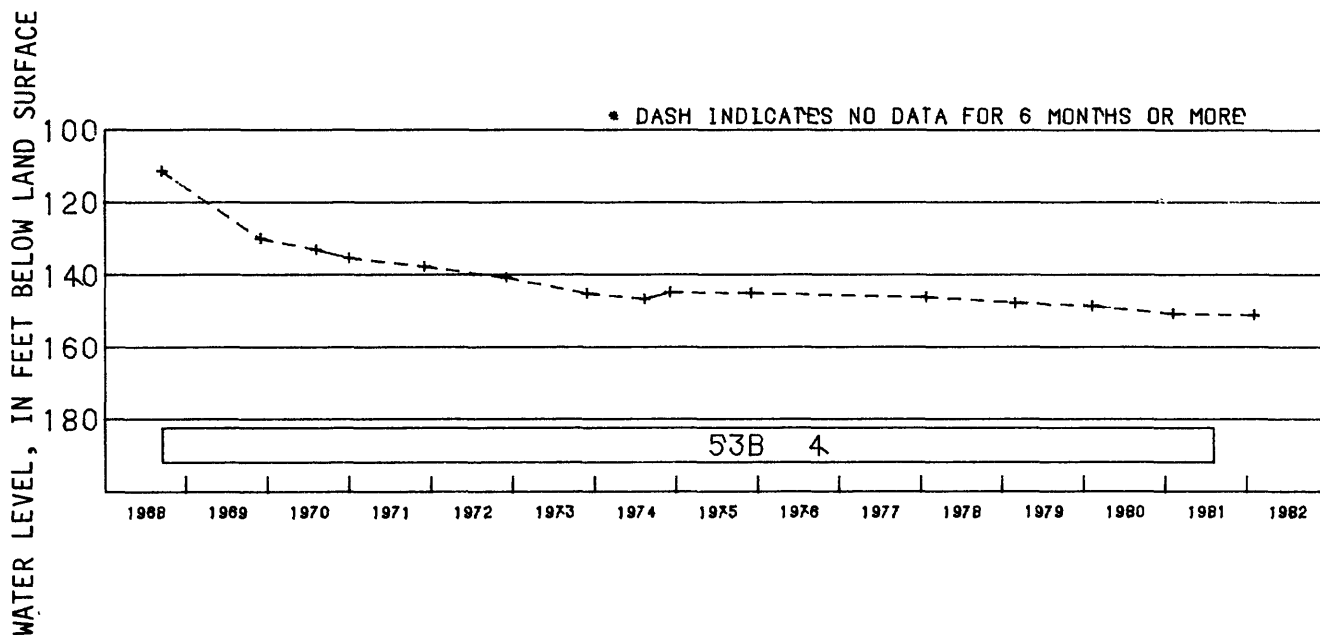
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 8 in (200 mm) to 331.5 ft (101.0 m), depth 331.5 ft (101.0 m), screened from 311.5 ft to 331.5 ft (94.9 to 101.0 m).

DATUM.--Altitude of land-surface datum is 92 ft (28.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 111.42 ft (33.96 m) below land-surface datum, Sept. 12, 1968; lowest measured, 151.11 ft (46.06 m) below land-surface datum, Feb. 2, 1982.



SOUTHAMPTON COUNTY

363722077014601. Local number, 54A1.

LOCATION.--Lat 36°37'22", long 77°01'46", Hydrologic Unit 03010201, 2 mi (3.22 km) from Drakes Corner on State Route 681. Owner: William Britt.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 254 ft (77.4 m), depth 254 ft (77.4 m), screened 244 to 254 ft (74.4 to 77.4 m).

DATUM.--Altitude of land-surface datum is 35 ft (10.7 m)

National Geodetic Vertical Datum of 1929. Measuring point:

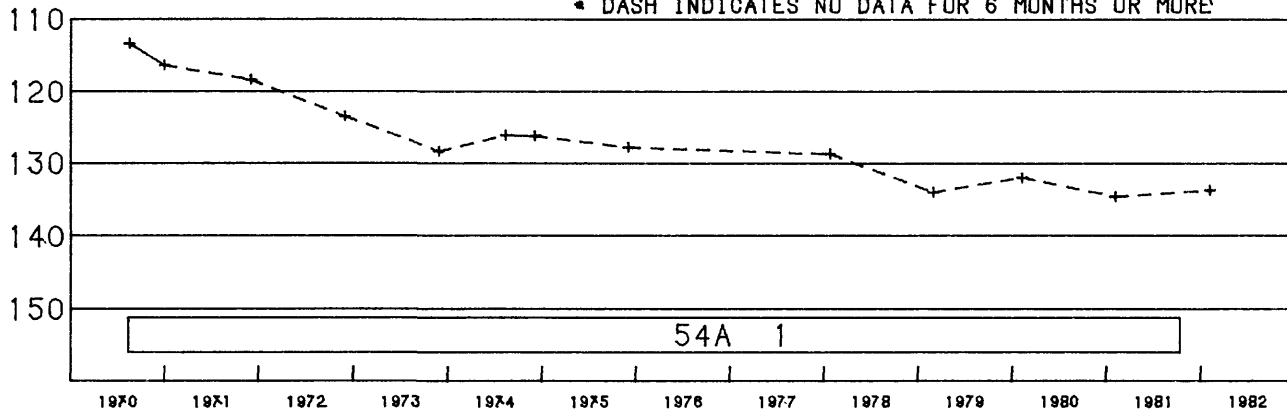
Top of casing, 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 113.4 ft (34.56 m) below land-surface datum, Aug. 17, 1970; lowest measured, 134.60 ft (41.03 m) below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



SOUTHAMPTON COUNTY

363915077001101. Local number, 54B1.

LOCATION.--Lat 36°39'15", long 77°00'11", Hydrologic Unit 03010201, at the Hercules Inc. plant on State Route 650 near the town of Delaware. Owner: Hercules Inc.

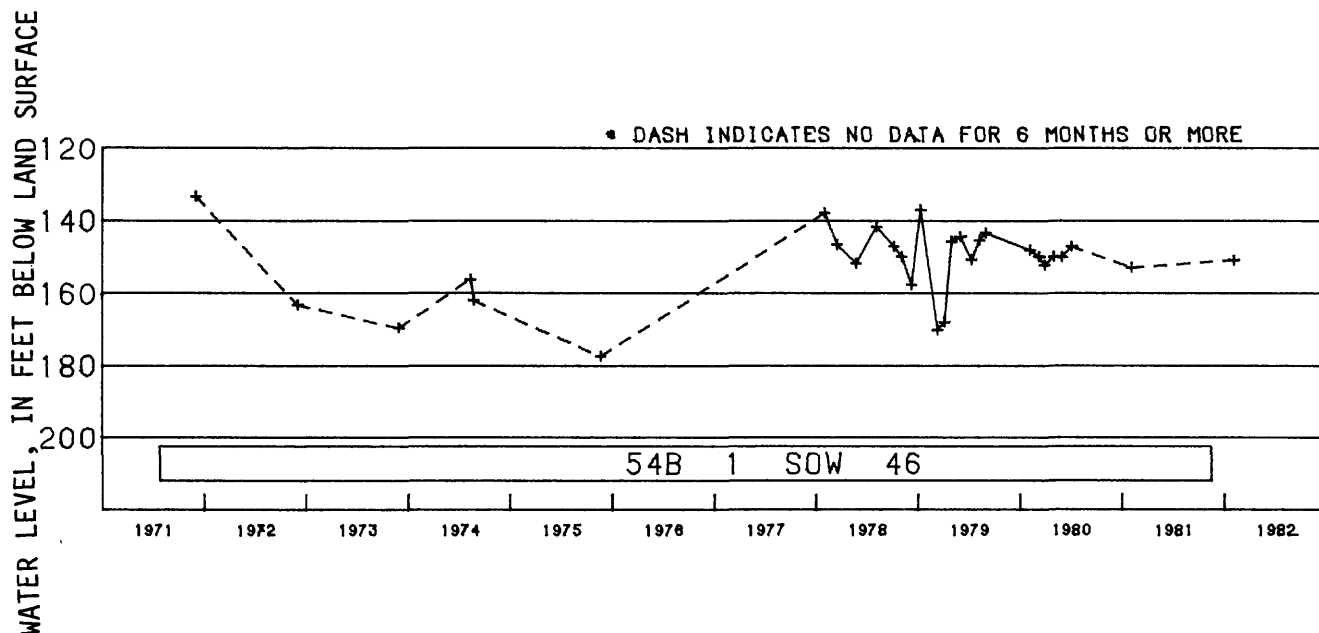
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 20 in (500 mm) to 200 ft (61.0 m), diameter 10 in (250 mm) from 200 to 610 ft (61.0 to 185.9 m), depth 610 ft (185.9 m), screened 358 to 368 ft (109.1 to 112.1 m), 390 to 410 ft (118.9 to 125.0 m), 510 to 520 ft (155.5 to 158.5 m), 524 to 534 ft (159.7 to 162.8 m), 590 to 600 ft (179.8 to 182.9 m).

DATUM.--Altitude of land-surface datum is 19.4 ft (5.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--1971-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.37 ft (40.65 m) below land-surface datum, Dec. 1, 1971; lowest measured, 177.40 ft (54.07 m) below land-surface datum, Nov. 19, 1975.



SOUTHAMPTON COUNTY

364307077041002. Local number, 54B5.

LOCATION.--Lat 36°43'04", long 77°04'16", Hydrologic Unit 03010201, at water tank near the intersection of U.S. Highway 58 and State Route 35 in the town of Courtland. Owner: Town of Courtland.

AQUIFER.--Sand and gravel of Cretaceous age.

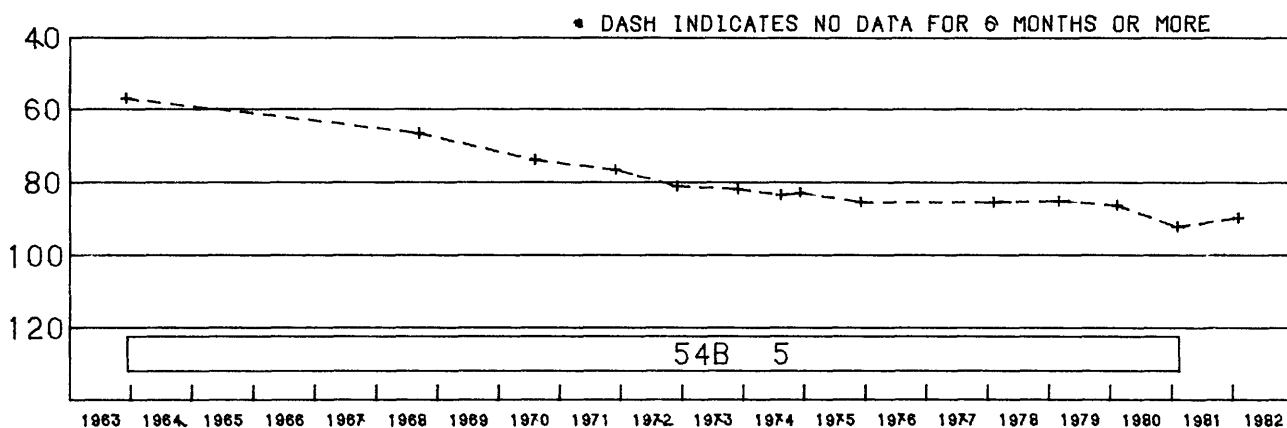
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 228 ft (69.5 m), depth 228 ft (69.5 m), screened 200 to 220 ft (61.0 to 67.1 m).

DATUM.--Altitude of land-surface datum is 18 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1963, 1968, 1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.00 ft (17.37 m) below land-surface datum, Dec. 1, 1963; lowest measured, 92.20 ft (28.10 m) below land-surface datum, Feb. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

363942077002701. Local number, 54B12.

LOCATION.--Lat 36°39'42", long 77°00'27", Hydrologic Unit 03010201, 1 mi (1.6 km), north of the town of Delaware on State Route 650. Owner: L. W. Overby.

AQUIFER.--Sand of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) from 1.8 ft to 226 ft (0.55 to 68.9 m), depth 236 ft (71.9 m), screened 226 ft to 236 ft (68.9 to 71.9 m).

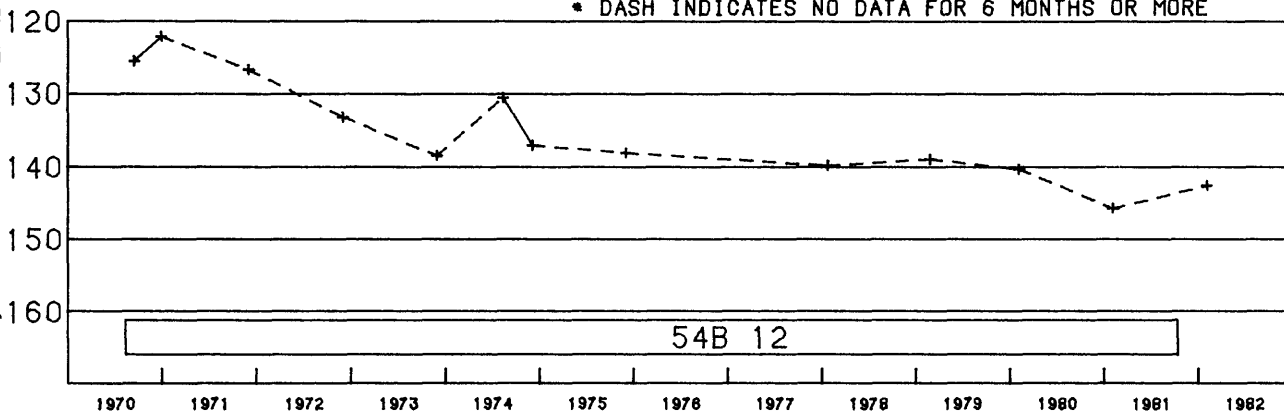
DATUM.--Altitude of land-surface datum is 23 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.8 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.17 ft (37.24 m) below land-surface datum, Dec. 29, 1970; lowest measured, 145.70 ft (44.41 m) below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



SOUTHAMPTON COUNTY

364211077054301. Local number, 54B18.

LOCATION.--Lat 36°42'11", long 77°05'43", Hydrologic Unit 03010201, 1.75 mi (2.82 km) southwest of Courtland, on State Route 731. Owner: F. E. Nottingham.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

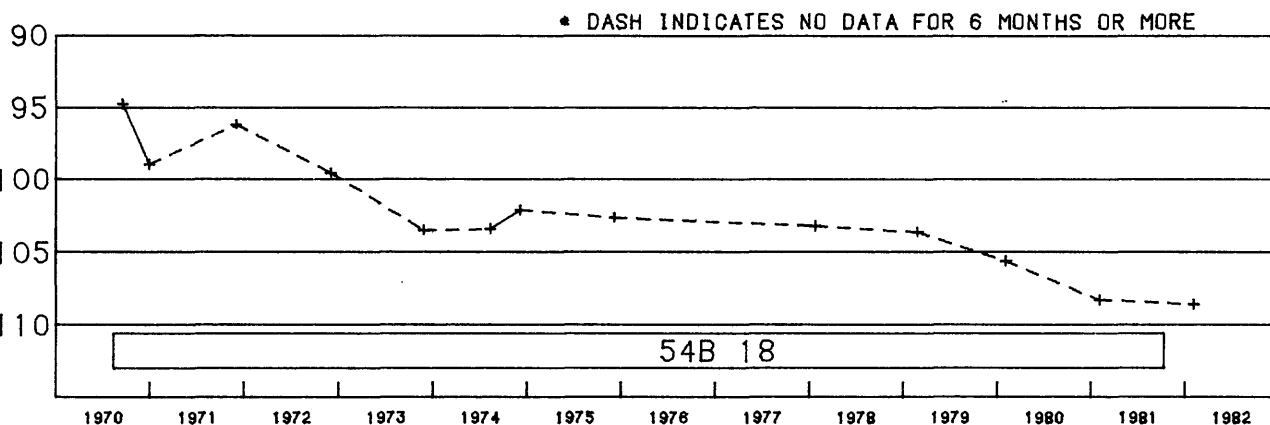
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 234 ft (71.3 m), depth 234 ft (71.3 m), screened 224 to 234 ft (68.3 to 71.3 m).

DATUM.--Altitude of land-surface datum is 50.0 ft (15.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.75 ft (28.88 m) below land-surface datum, Sept. 16, 1970; lowest measured, 108.57 ft (33.08 m) below land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

364050077011701. Local number, 54B20.

LOCATION.--Lat 36°40'50", long 77°01'17", Hydrologic Unit 03010201, 0.2 mi (0.4 km) southwest of U.S. Highway 58 near Nottoway Swamp. Owner: D. R. Bess.

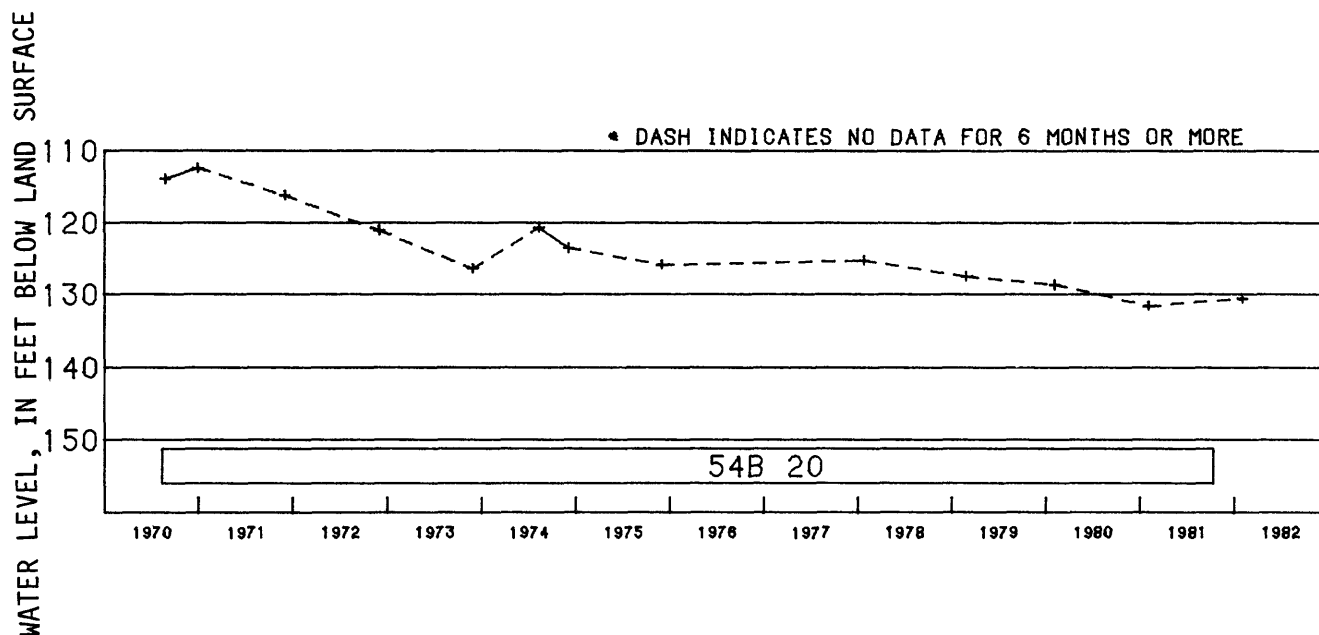
AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 297 ft (90.5 m), depth 316 ft (96.3 m), screened from 297 ft to 316 ft (90.5 to 96.3 m).

DATUM.--Altitude of land-surface datum is 22 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal 1.70 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.45 ft (34.27 m) below land-surface datum, Dec. 29, 1970; lowest measured, 131.50 ft (40.08 m) below land-surface datum, Feb. 3, 1981.



SOUTHAMPTON COUNTY

364121077013701. Local number, 54B24

LOCATION.--Lat 36°41'21", long 77°01'37", Hydrologic Unit
03010201, 3 mi (4.8 km) southeast of Courtland on U.S.
Highway 58. Owner: Clarence Pittman.

AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in
(100 mm) to 71 ft (21.6 m), diameter 2 in (50 mm) from 71
to 224 ft (21.6 to 68.3 m), depth 224 ft (68.3 m).

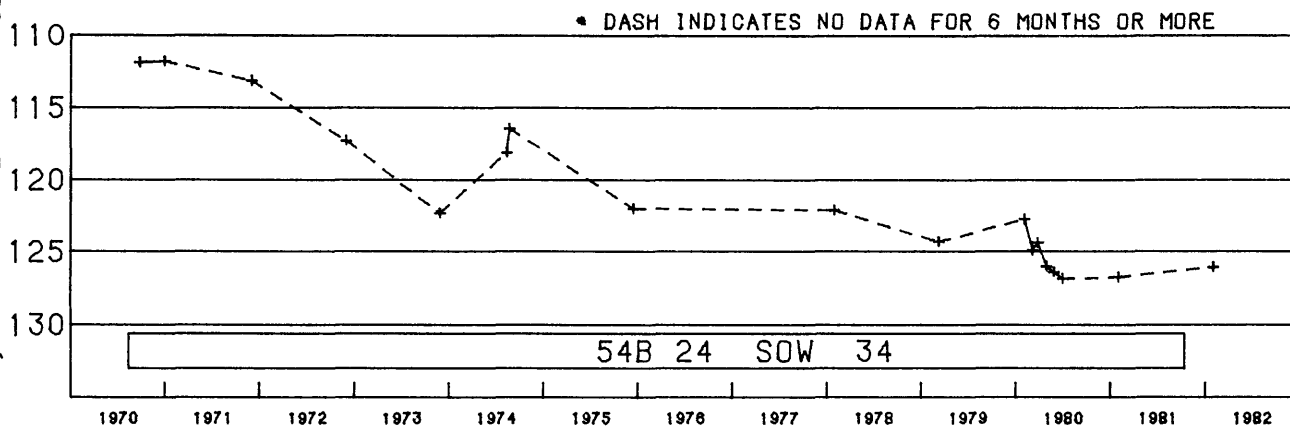
DATUM.--Altitude of land-surface datum is 29 ft (8.8 m) National
Geodetic Vertical Datum of 1929. Measuring point: 2.2 ft
(0.7 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control
Board as State observation well 34.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
111.82 ft (34.08 m) below land-surface datum, Dec. 29, 1970;
lowest measured, 126.84 ft (38.66 m) below land-surface datum,
July 1, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

364110077011301. Local number, 54B25

LOCATION.--Lat 36°41'10", long 77°01'13", Hydrologic Unit
03010201, 1.5 mi (2.4 km) south of Story, at the end of State
Route 739. Owner: J. W. Coggsdale.

AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in
(100 mm) to 245 ft (74.7 m), depth 245 ft (74.7 m), screened
225 to 245 ft (68.6 to 74.7 m).

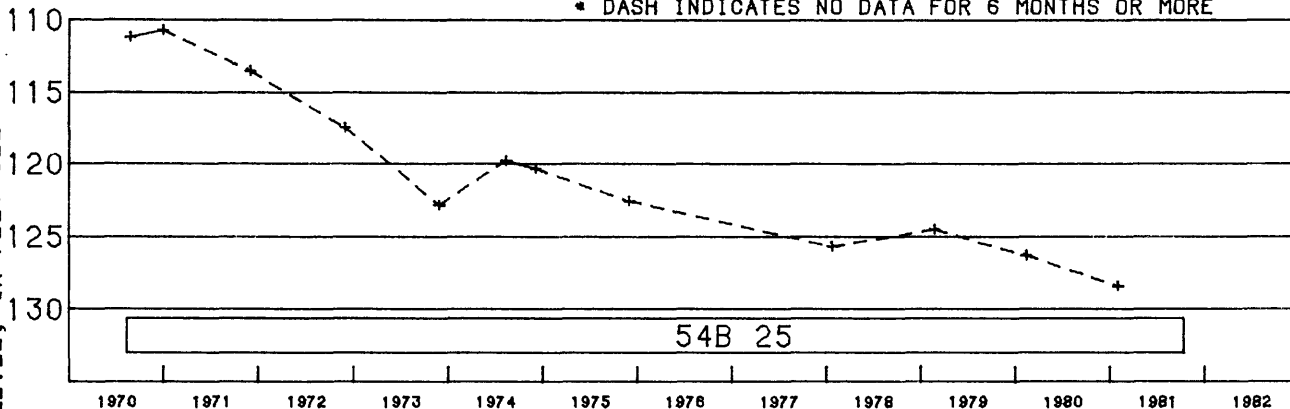
DATUM.--Altitude of land-surface datum is 25 ft (7.6 m) National
Geodetic Vertical Datum of 1929. Measuring point: 2.0 ft
(0.6 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
110.72 ft (33.75 m) below land-surface datum, Dec. 29, 1970;
lowest measured, 128.40 ft (39.14 m) below land-surface datum,
Feb. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



SOUTHAMPTON COUNTY

364251077004401. Local number, 54B26

LOCATION.--Lat 36°42'51", long 77°00'45", Hydrologic Unit 03010201, at Federal Aviation Administration, 3.3 mi (5.3 km) east of Courtland on State Route 611. Owner: Federal Aviation Administration.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 324 ft (98.8 m), depth 324 ft (98.8 m), screened 314 to 324 ft (95.7 to 98.8 m).

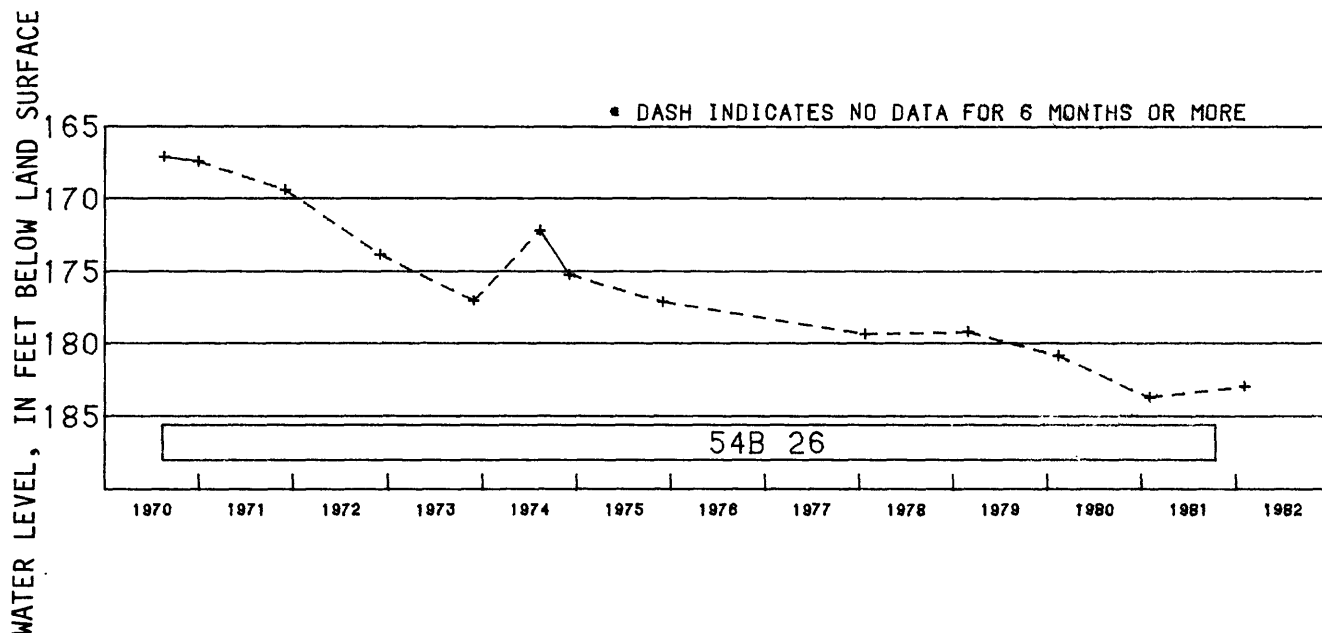
DATUM.--Altitude of land-surface datum is 81 ft (24.7 m)

National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 167.45 ft (51.04 m) below land-surface datum, Dec. 29, 1970; lowest measured, 183.70 ft (55.99 m) below land-surface datum, Feb. 3, 1981.



SOUTHAMPTON COUNTY

364706077072301. Local number, 54C1.

LOCATION.--Lat 36°47'06", long 77°07'23", Hydrologic Unit 03010201, in the town of Sebrell. Owner: Norfolk and Western Railway.

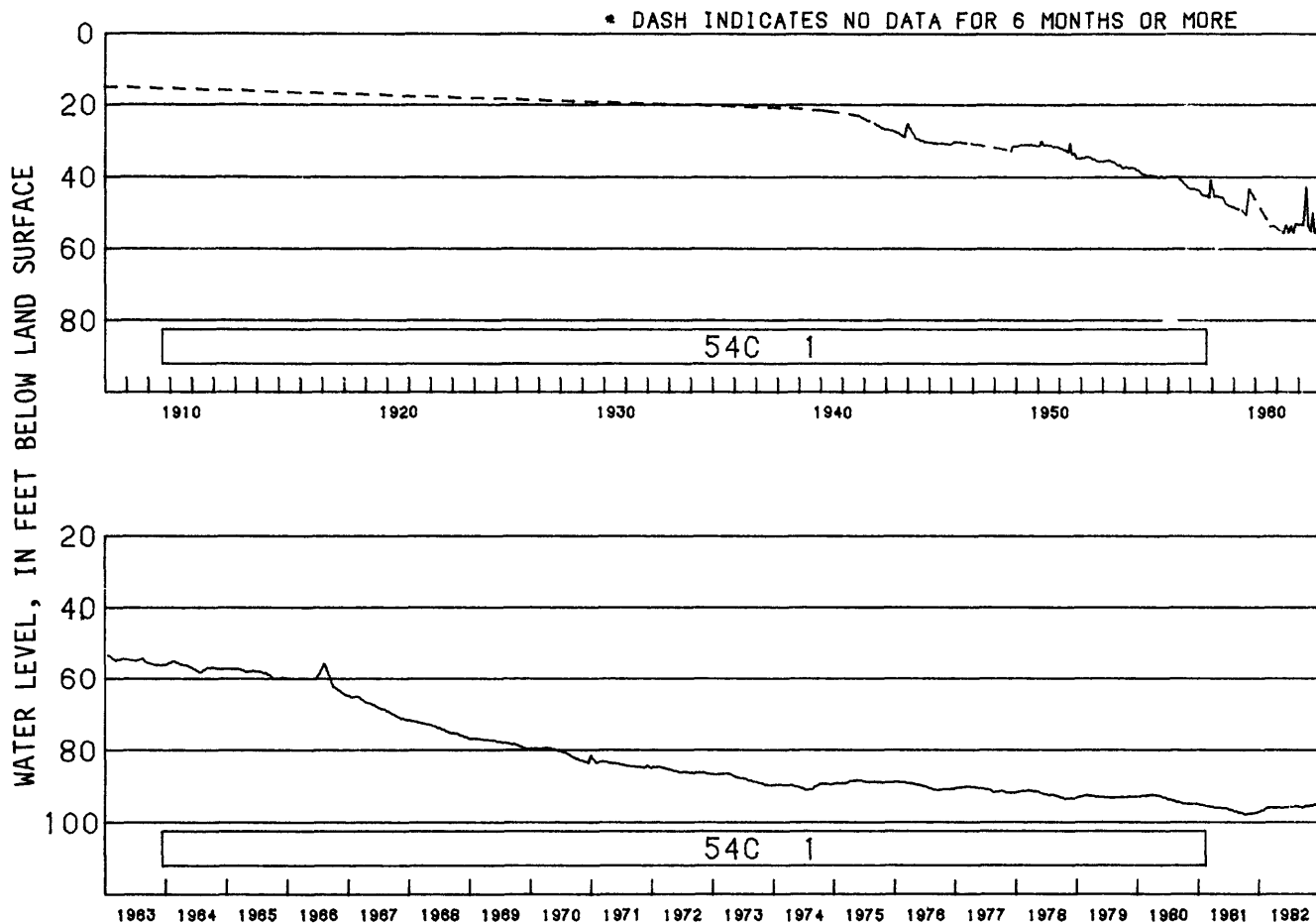
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 10 in (250 mm), depth 344 ft (104.9 m), screen depth unknown.

DATUM.--Altitude of land-surface datum is 58.4 ft (17.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--1907, 1938, 1940-46, 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.00 ft (4.57 m) below land-surface datum, 1907; lowest measured, 97.48 ft (29.71 m) below land-surface datum, Oct. 14, 1981.



SOUTHAMPTON COUNTY

364911077040101. Local number, 54C2.

LOCATION.--Lat 36°49'11", long 77°04'01", Hydrologic Unit
03010201, 4 mi (6.4 km) east of Sebrell on State Route 628.
Owner: E. E. Pittman.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in
(100 mm) to 347 ft (105.8 m), depth 347 ft (105.8 m),
screened 327 to 347 ft (99.7 to 105.8 m).

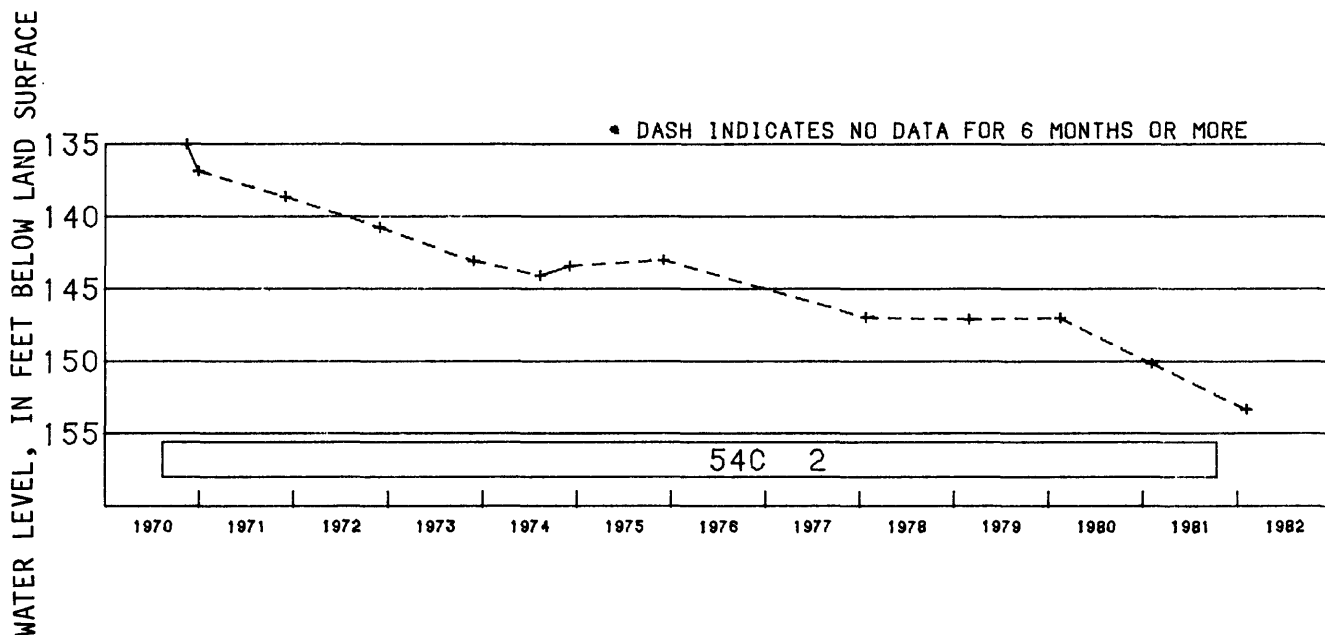
DATUM.--Altitude of land-surface datum is 115 ft (35.1 m)

National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
135.03 ft (41.16 m) below land-surface datum, Nov. 13, 1970;
lowest measured, 153.35 ft (46.74 m) below land-surface datum,
Feb. 4, 1982.



SOUTHAMPTON COUNTY

36500907701401. Local number, 54C4

LOCATION.--Lat 36°50'11", long 77°03'55", Hydrologic Unit 03010201, 5 mi (8.1 km) east of Sebrell on State Route 628.

Owner: Al Williams.

AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 360 ft (109.7 m), depth 360 ft (109.7 m), screened 343 to 356 ft (104.6 to 108.5 m).

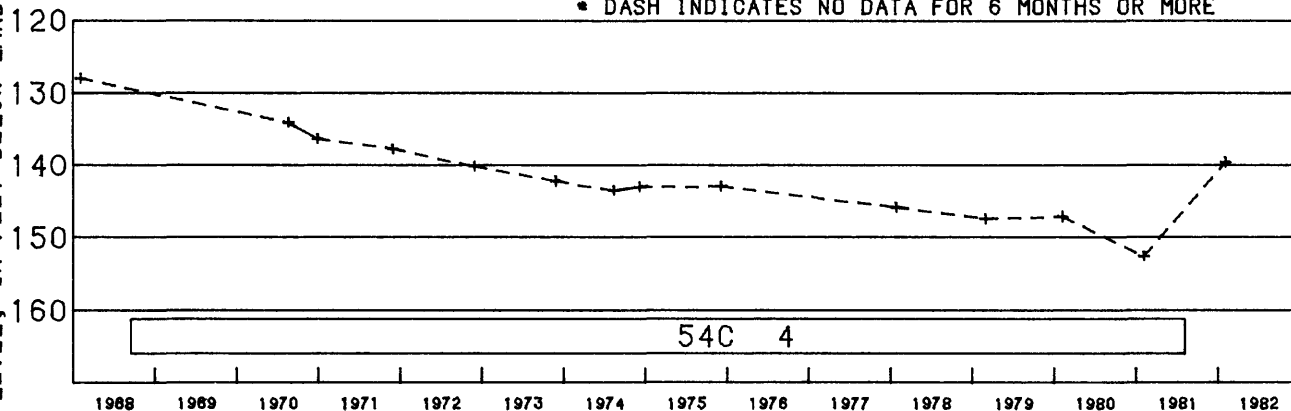
DATUM.--Altitude of land-surface datum is 115 ft (35 m) National Geodetic Vertical Datum of 1929. Measuring point: 0.3 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--1968, 1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.0 ft (39.01 m) below land-surface datum, Feb. 5, 1968; lowest measured, 152.6 ft (46.51 m) below land-surface datum, Feb. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



SOUTHAMPTON COUNTY

363607076560001. Local number, 55A1.

LOCATION.--Lat 36°36'07", long 76°56'00", Hydrologic Unit 03010201, 2.5 mi (4.0 km) north of the General Vaughn Bridge on State Route 258. Owner: Thomas E. Darden.

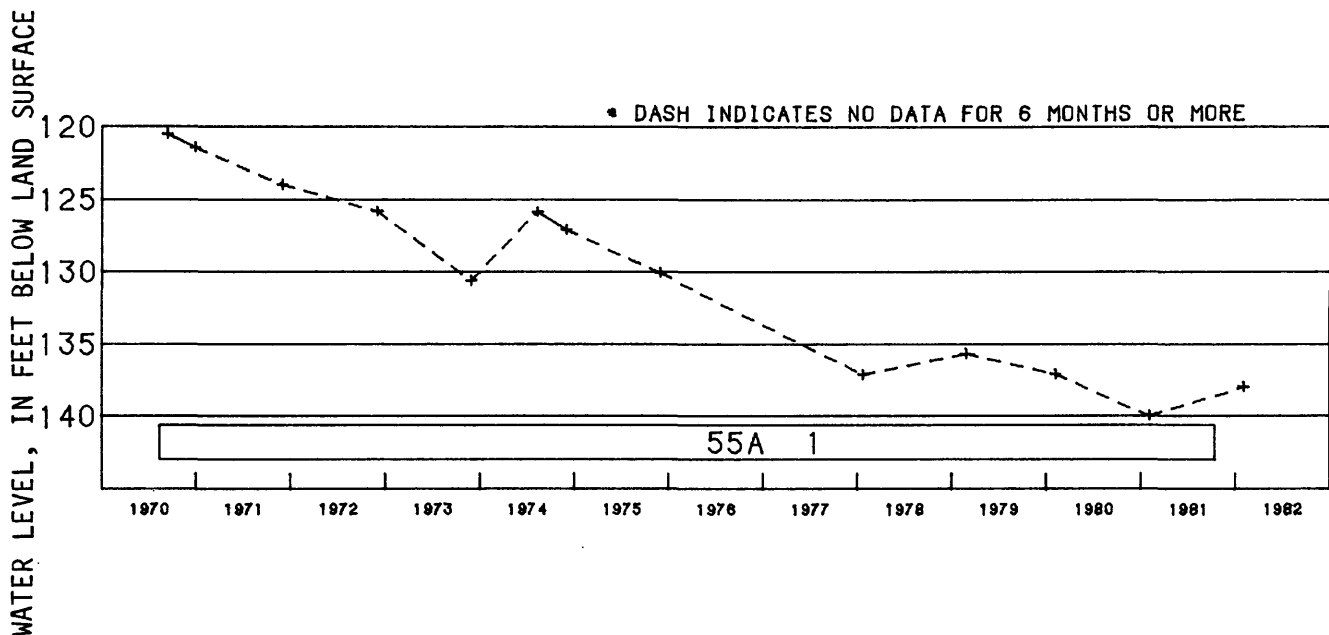
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 372 ft (113.4 m), depth 372 ft (113.4 m), screened 342 to 362 ft (104.2 to 110.3 m).

DATUM.--Altitude of land-surface datum is 22 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal, 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120.50 ft (36.73 m) below land-surface datum, Sept. 11, 1970; lowest measured, 139.97 ft (42.66 m) below land-surface datum, Feb. 3, 1981.



SOUTHAMPTON COUNTY

363632076580101. Local number, 55A3.

LOCATION.--Lat 36°36'32", long 76°58'01", Hydrologic Unit 03010201, 0.1 mi (0.2 km) east of intersection on State Route 689. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm), depth 745 ft (227.0 m), screened 714 to 724 ft (217.6 to 220.7 m).

DATUM.--Altitude of land-surface datum is 18 ft (5.48 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.6 m) above land-surface datum.

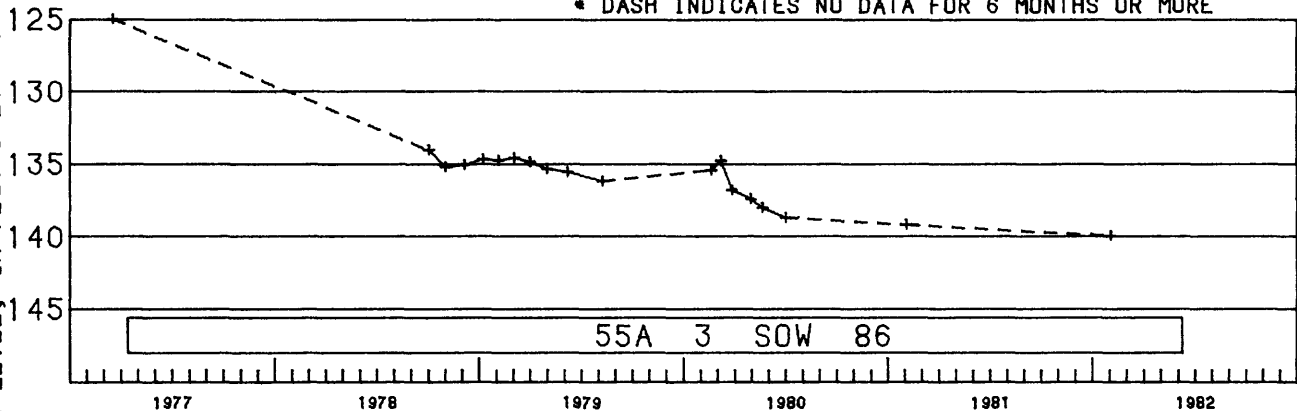
REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 86.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.00 ft (38.10 m) below land-surface datum, Mar. 18, 1977; lowest measured, 139.94 ft (42.65 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



SOUTHAMPTON COUNTY

364001076584701. Local number, 55B40.

LOCATION.--Lat 36°40'01", long 76°58'47", Hydrologic Unit 03010201, near the intersection of State Routes 687 and 688, east of Watkins Corner on State Route 688. Owner: Walter D. Young.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

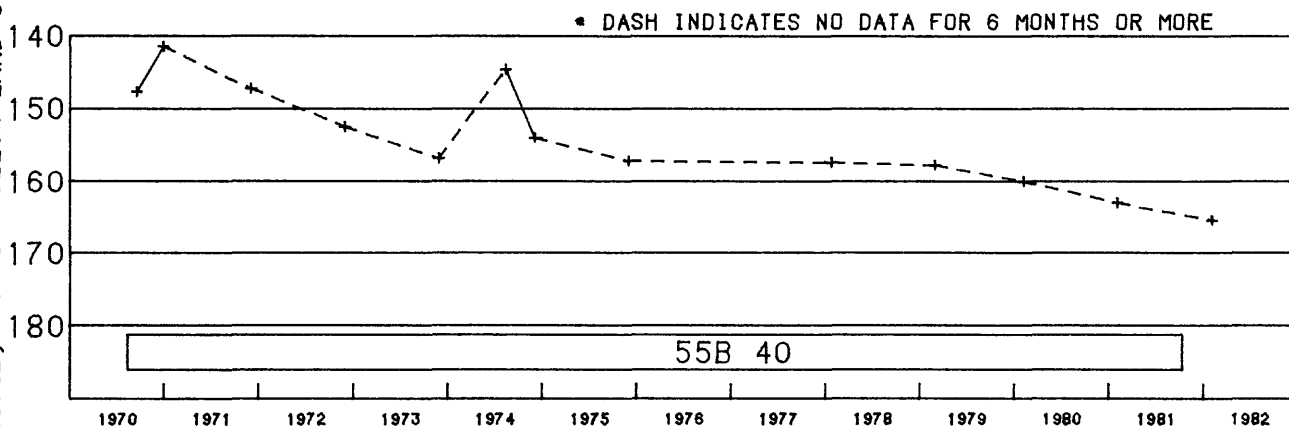
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 370 ft (112.8 m), screened 353 to 362 ft (107.6 to 110.3 m).

DATUM.--Altitude of land-surface datum is 32 ft (9.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 141.48 ft (43.12 m) below land-surface datum, Dec. 29, 1970; lowest measured, 165.46 ft (50.43 m) below land-surface datum, Feb. 4, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

364336076575601. Local number, 55B49.

LOCATION.--Lat 36°43'36", long 76°57'56", Hydrologic Unit 03010202, 1.75 mi (2.82 km) north of Hunterdale, on State Route 705 between State Routes 611, 635, and 641. Owner: Lankford Nursery.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 390 ft (118.9 m), screened 372 to 384 ft (113.4 to 117.0 m).

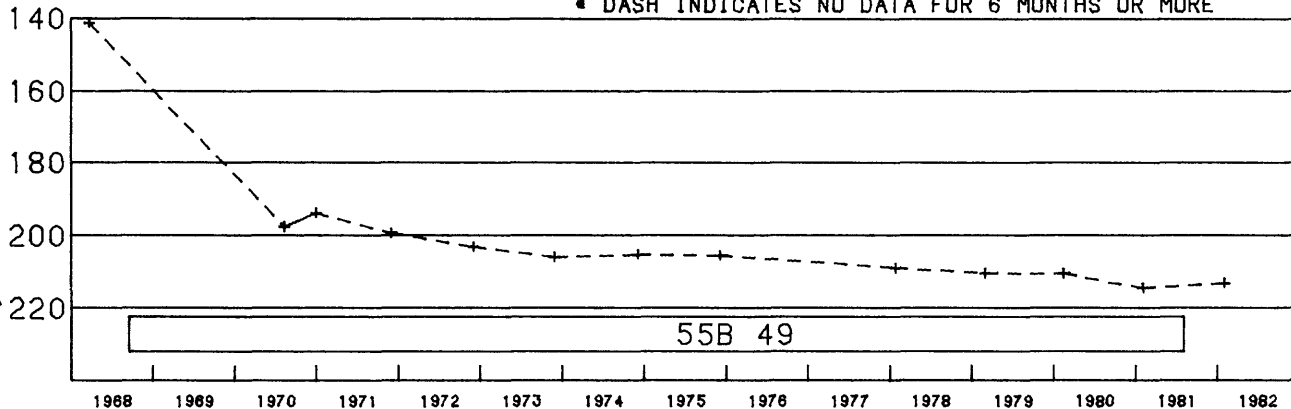
DATUM.--Altitude of land-surface datum is 96.0 ft (29.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal, 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1968, 1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 141.33 ft (43.08 m) below land-surface datum, Mar. 22, 1968; lowest measured, 214.48 ft (65.37 m) below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



SOUTHAMPTON COUNTY

364321076595401. Local number, 55B51.

LOCATION.--Lat 36°43'22", long 76°59'55", Hydrologic Unit
03010201, 2.2 mi (3.5 km) northwest of Hunterdale on State
Route 611. Owner: Owen Wade.

AQUIFER.--Sand of Cretaceous age.

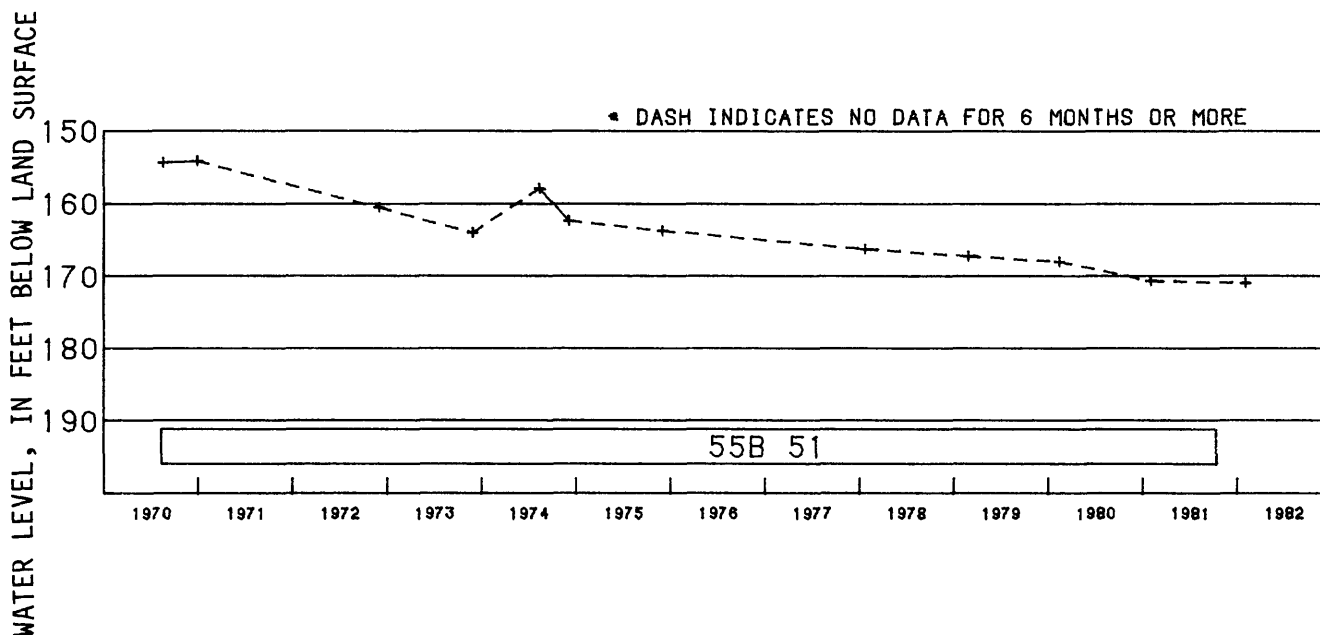
WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm)
depth 332 ft (101.2 m), screened 322 to 327 ft (98.2 to
99.7 m).

DATUM.--Altitude of land-surface datum is 66 ft (20 m) National
Geodetic Vertical Datum of 1929. Measuring point: 0.9 ft
(0.3 m) above land-surface datum.

REMARKS.--This well is within 20 ft (6 m) of a domestic supply well.

PERIOD OF RECORD.--1970, 1972-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
154.15 ft (46.98 m) below land-surface datum, Dec. 29, 1970;
lowest measured, 170.98 ft (52.11 m) below land-surface datum,
Feb. 2, 1982.



SOUTHAMPTON COUNTY

364630076591701. Local number, 55C1.

LOCATION.--Lat 36°46'30", long 76°59'17", Hydrologic Unit 03010202, two blocks west of State Route 641 in Sedley.

Owner: Merle Holt.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

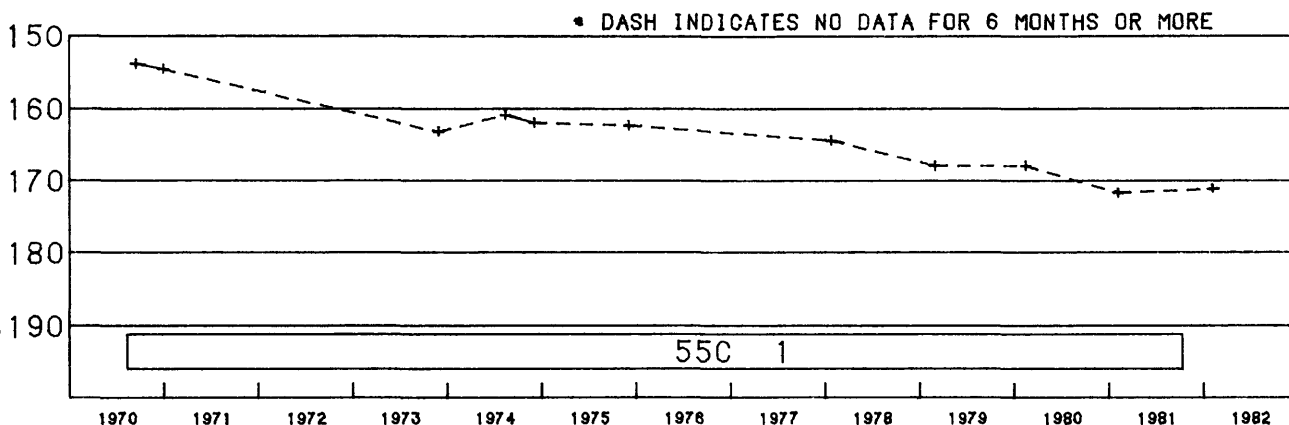
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 318 ft (96.9 m), depth 318 ft (96.9 m), screened 308 to 318 ft (93.9 to 97.0 m).

DATUM.--Altitude of land-surface datum is 90 ft (27 m) National Geodetic Vertical Datum of 1929. Measuring point: at land-surface datum.

PERIOD OF RECORD.--1970, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 154.61 ft (47.13 m) below land-surface datum, Dec. 29, 1970; lowest measured, 171.75 ft (52.35 m) below land-surface datum, Feb. 4, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

364628076552701. Local number, 55C3.

LOCATION.--Lat 36°46'28", long 76°55'27", Hydrologic Unit 03010202, 0.2 mi (0.3 km) north of Black Creek on State Route 635 at Black Creek Church. Owner: Black Creek Baptist Church.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

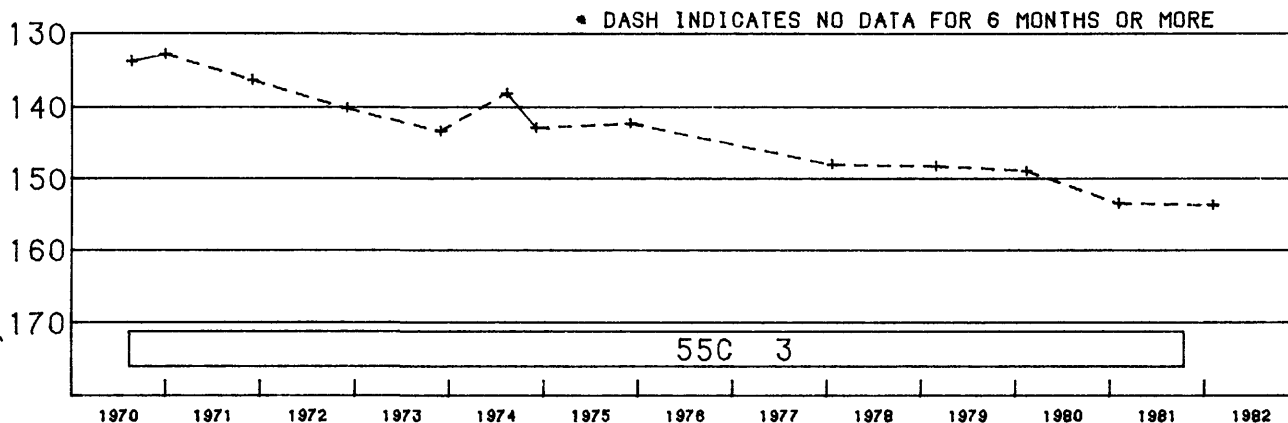
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 312 ft (95.1 m), screened 300 to 312 ft (91.4 to 95.1 m).

DATUM.--Altitude of land-surface datum is 57 ft (17 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling breather 1.6 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 132.80 ft (40.48 m) below land-surface datum, Dec. 29, 1970; lowest measured, 153.68 ft (46.84 m) below land-surface datum, Feb. 4, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

364642076553701. Local number, 55C6.

LOCATION.--Lat 36°46'42", long 76°55'37", Hydrologic Unit 03010202, 0.5 mi (0.8 km) north of town of Black Creek on State Route 626. Owner: Gene Cook.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

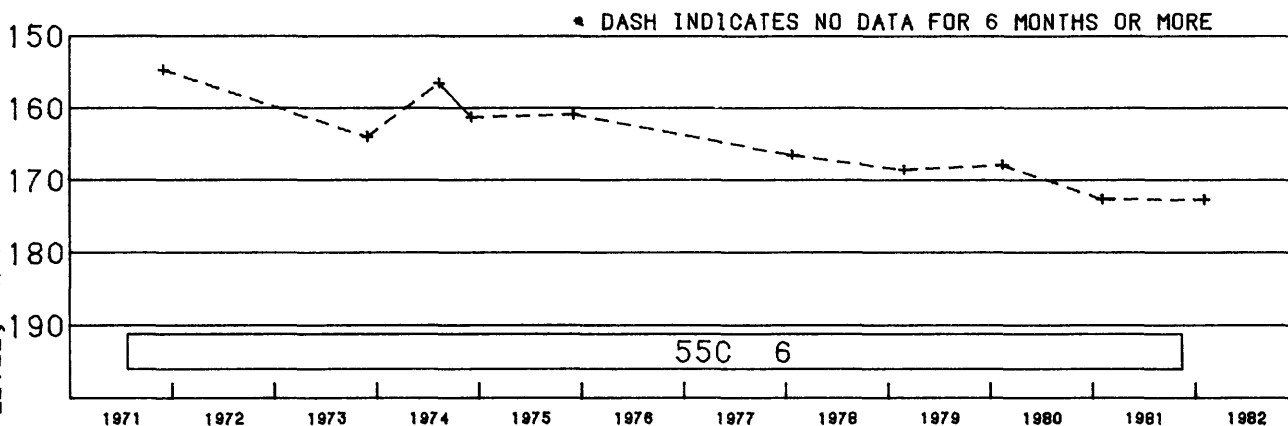
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 326 ft (99.4 m), screened 316 to 326 ft (96.3 to 99.4 m).

DATUM.--Altitude of land-surface datum is 78 ft (24 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1971, 1973-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 154.74 ft (47.16 m) below land-surface datum, Nov. 10, 1971; lowest measured, 172.72 ft (52.65 m) below land-surface datum, Feb. 4, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

365120076585101. Local number, 55C10.

LOCATION.--Lat 36°51'20", long 76°58'51", Hydrologic Unit 03010202, 0.3 mi (0.4 km) south of Berlin on State Route 616. Owner: R. L. Hurrup.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

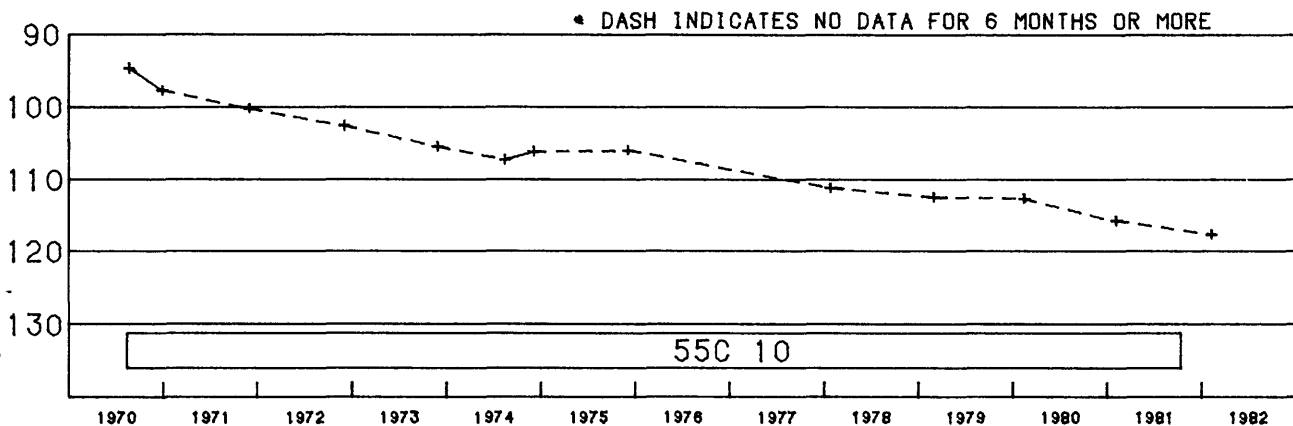
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 326 ft (99.4 m), screened 316 to 326 ft (96.3 to 99.4 m).

DATUM.--Altitude of land-surface datum is 65 ft (20 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.62 ft (28.84 m) below land-surface datum, Aug. 21, 1970; lowest measured, 117.68 ft (35.87 m) below land-surface datum, Feb. 9, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SOUTHAMPTON COUNTY

365415076535201. Local number, 55D5.

LOCATION.--Lat 36°54'15", long 76°53'20", Hydrologic Unit 03010202, in the town of Ivor on State Route 616. Owner: Town of Ivor.

AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 8 in (200 mm), depth 450 ft (137.2 m), screened 384 ft to 394 ft (117.0 to 120.0 m), 425 to 440 ft (129.5 to 134.1 m).

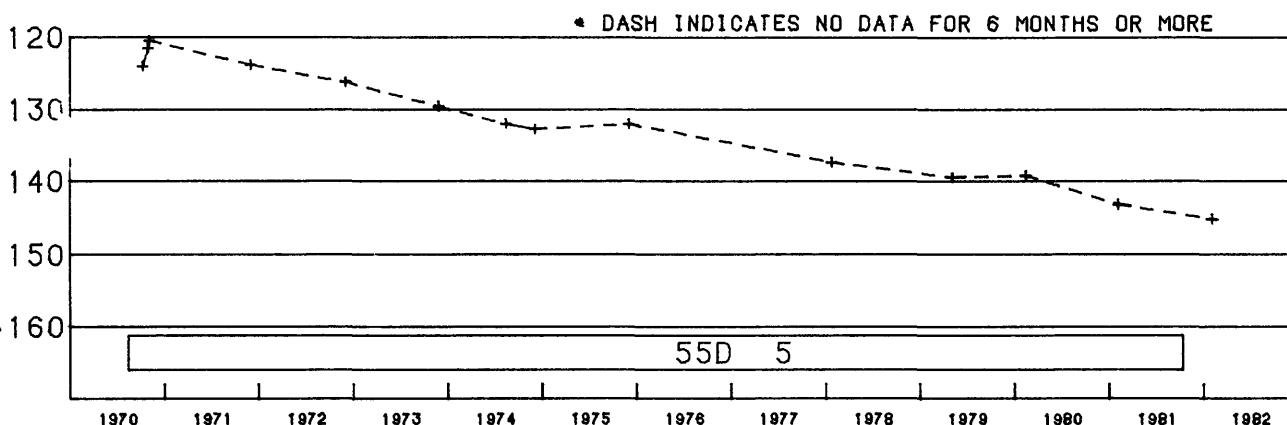
DATUM.--Altitude of land-surface datum is 90 ft (27 m) National Geodetic Vertical Datum of 1929. Measuring point: 2.2 ft (0.7 m) above land-surface datum.

REMARKS.--Town of Ivor well No. 2.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120.47 ft (36.76 m) below land-surface datum, Nov. 2, 1970; lowest measured, 145.19 ft (44.28 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363511076492901. Local number, 56A1.

LOCATION.--Lat 36°35'11", long 76°49'29", Hydrologic Unit 03010203, near Cleopus. Owner: Virginia State Water Control Board.

AQUIFER.--Sand of Early Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in (100 mm), depth 1,149.5 ft (350.4 m), screened 401 to 406 ft (122.2 to 123.7 m), 495 to 500 ft (150.9 to 152.4 m), 628 to 633 ft (191.4 to 192.9 m), 727 to 732 ft (221.6 to 223.1 m), 989 to 999 ft (301.4 to 304.5 m).

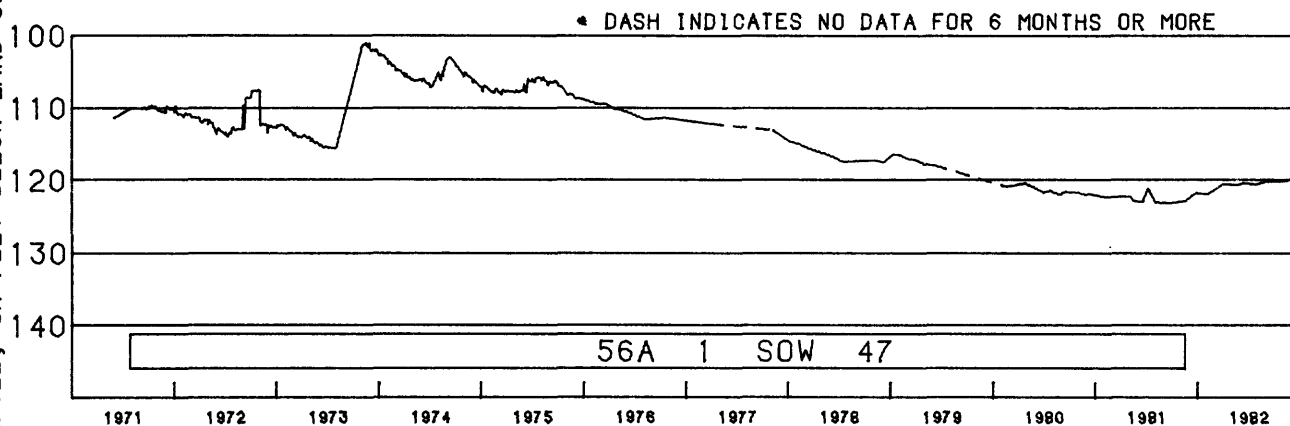
DATUM.--Altitude of land-surface datum is 37 ft (11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft (0.3 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 47. Recorder removed Oct. 30, 1975; manual measurements thereafter.

PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 101.00 ft (30.78 m) below land-surface datum, Nov. 15, 1973; lowest measured, 122.34 ft (37.29 m) below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363625076522601. Local number, 56A9.

LOCATION.--Lat 36°36'25", long 76°52'26", Hydrologic Unit 03010203, 8.1 mi (13.0 km) south of Holland on State Route 615. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm) to 1,063.4 ft (324.0 m), depth 1,063.4 ft (324.0 m), screened 452 to 457 ft (137.8 to 139.3 m), 500 to 505 ft (152.4 to 153.9 m), 611 to 616 ft (186.2 to 187.8 m), 744 to 749 (226.8 to 228.3 m), 812 to 817 ft (228.3 to 249.0 m), 988 to 993 ft (301.1 to 302.7 m).

Drilled unused well, diameter 4 in (100 mm) to 600 ft (182.8 m), depth 600 ft (182.8 m), screened 450 to 460 ft (137.1 to 140.2 m), 500 to 510 ft (152.4 to 155.4 m).

DATUM.--Altitude of land-surface datum is 80.0 ft (24.4 m) National Geodetic Vertical Datum of 1929. Measuring point: at land-surface datum.

REMARKS.--Records furnished by Virginia State Water Control Board as State observation well 76. Recorder removed on Dec. 11, 1976; manual measurements thereafter. Well caved in and was plugged in 1977 to 600 ft (182.8 m).

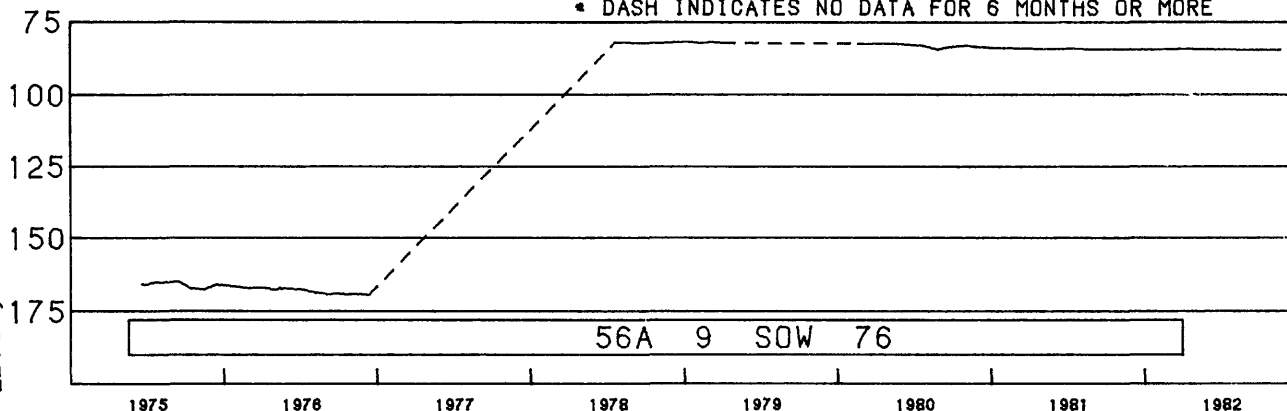
PERIOD OF RECORD.--1975, 1976, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157.86 ft (48.12 m) below land-surface datum, Aug. 25, 1975; lowest recorded, 169.60 ft (51.64 m) below land-surface datum, Dec. 10, 1976.

Highest water level measured, 81.99 ft (24.96 m) below land-surface datum, Jan. 8, 1979; lowest measured, 84.65 ft (25.80 m) below land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



CITY OF SUFFOLK

363345076470201. Local number, 56A10.

LOCATION.--Lat 36°33'45", long 76°47'02", Hydrologic Unit 03010203, 1.9 mi (3.1 km) west of Somerton, 0.1 mi (0.2 km) north on State Route 668. Owner: State Water Control Board.

AQUIFER.--Sand and clay of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (100 mm) to 1,060 ft (323.1 m), depth 1,060 ft (323.1 m), screened 1,050 to 1,060 ft (320.0 to 323.1 m).

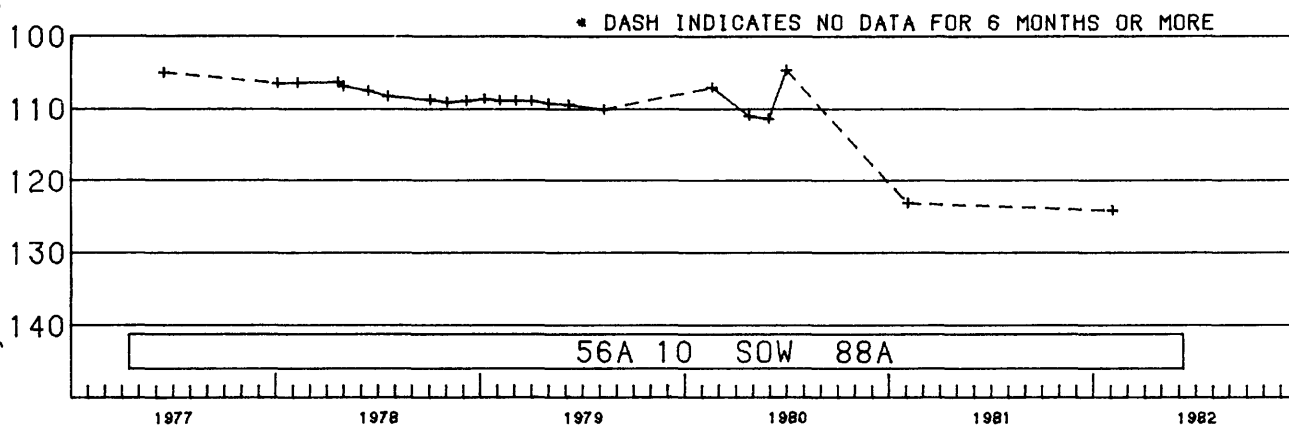
DATUM.--Altitude of land-surface datum is 45 ft (13.7 m) National Geodetic Vertical Datum of 1929. Measuring point: 2.0 ft (0.6 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 88A.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104.70 ft (31.92 m) below land-surface datum, June 30, 1980; lowest measured, 124.17 ft (37.85 m) below land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363653076455401. Local number, 56A11.

LOCATION.--Lat 36°36'53", long 76°45'54", Hydrologic Unit 03010203, 1.1 mi (1.8 km) east of Holy Neck Church on State Route 616. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm) to 861 ft (262.4 m), depth 861 ft (262.4 m), screened 830 to 840 ft (253.0 to 256.0 m).

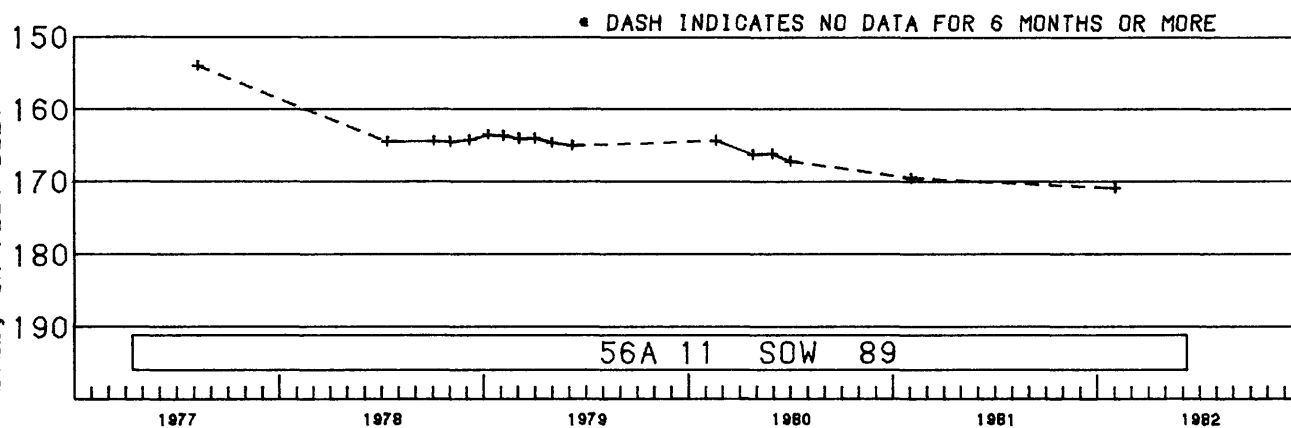
DATUM.--Altitude of land-surface datum is 79.0 ft (24.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.8 ft (0.2 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 89.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 154.00 ft (46.94 m) below land-surface datum, Aug. 9, 1977; lowest measured, 170.93 ft (52.10 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363345076470202. Local number, 56A12.

LOCATION.--Lat 36°33'45", long 76°47'02", Hydrologic Unit 03010203, 1.9 mi (3.1 km) west of Somerton, 0.1 mi (0.2 km) north of State Route 668. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and clay of Cretaceous age.

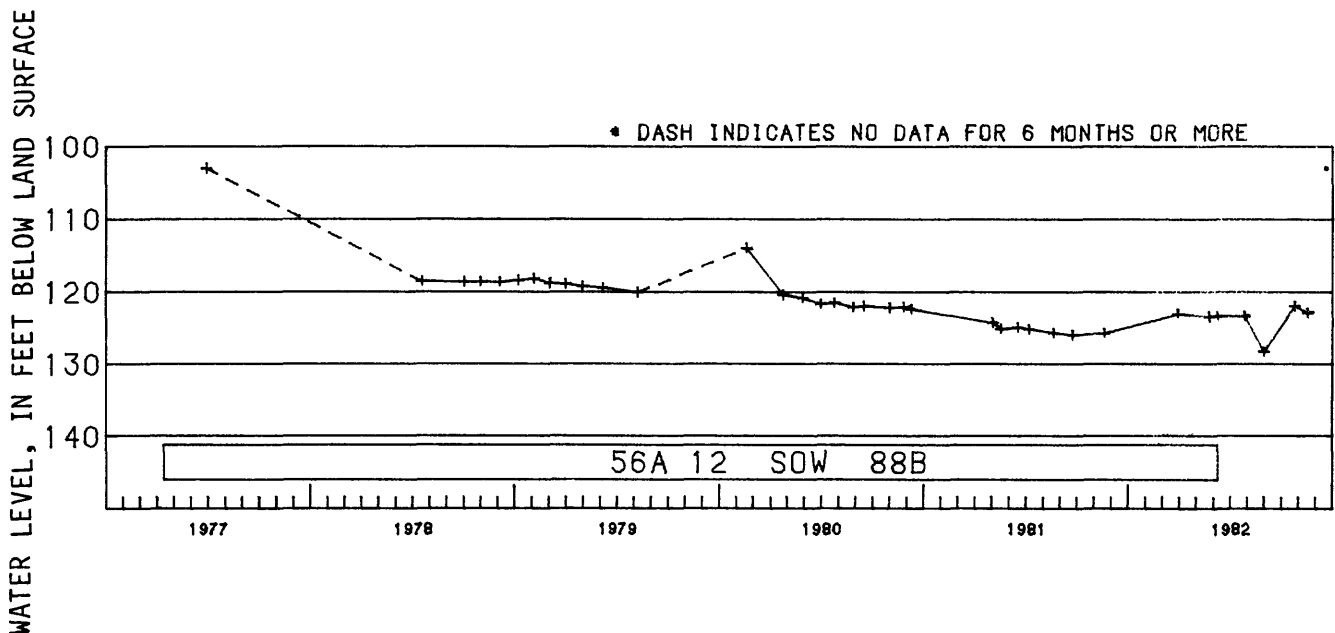
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (100 mm) to 580 ft (176.8 m), total depth 580 ft (176.8 m), screened 570 ft to 580 ft (173.8 to 176.8 m).

DATUM.--Altitude of land-surface datum is 45 ft (13.7 m) National Geodetic Vertical Datum of 1929. Measuring point:

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 88B.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 103.00 ft (31.39 m) below land-surface datum, June 30, 1977; lowest measured, 128.32 ft (39.11 m) below land-surface datum, Aug. 31, 1982.



CITY OF SUFFOLK

363625076522602. Local number, 56A13.

LOCATION.--Lat 36°36'25", long 76°52'26", Hydrologic Unit 03010203, 0.5 mi (0.8 km) southwest of Olive Branch Church near State Route 615. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (100 mm), depth 807 ft (246.0 m), screened 797 to 802 ft (242.9 to 244.4 m).

DATUM.--Altitude of land-surface datum is 75.0 ft (22.9 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.0 ft (0.3 m) above land-surface datum.

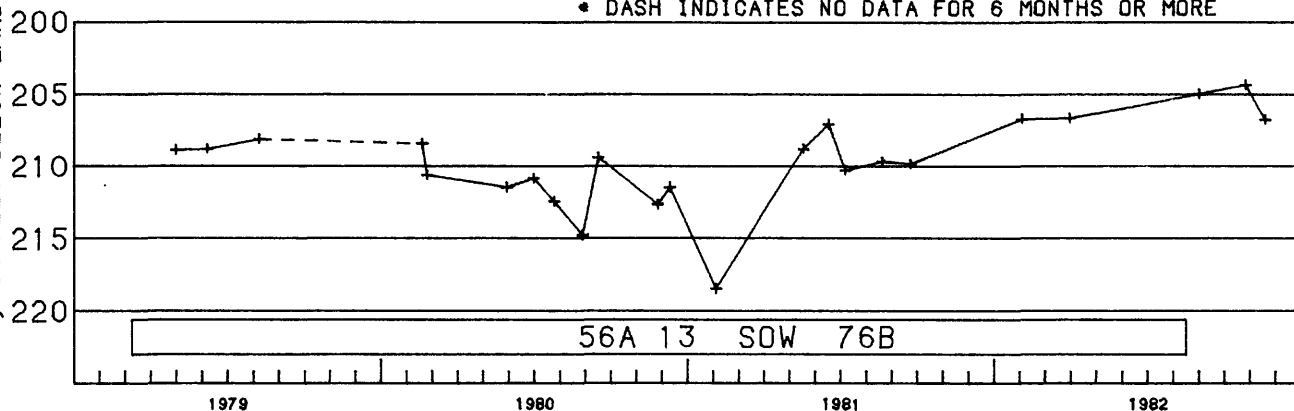
REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 76B.

PERIOD OF RECORD.--1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 206.74 ft (63.02 m) below land-surface datum, Feb. 2, 1982; lowest measured, 218.50 ft (66.60 m) below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



CITY OF SUFFOLK

363625076522603. Local number, 56A14.

LOCATION.--Lat 36°36'25", long 76°52'26", Hydrologic Unit 03010203, 0.5 mi (0.8 km) southwest of Olive Branch Church near State Route 615. Owner: Virginia State Water Control Board.

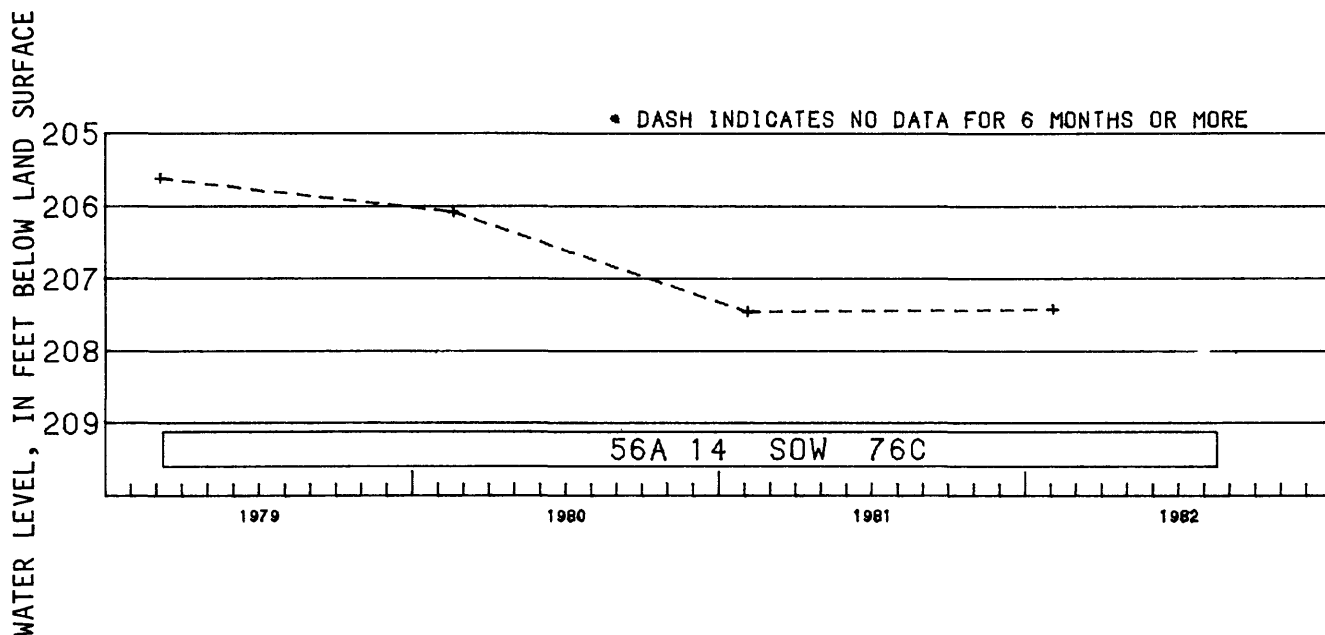
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age. (100 mm), depth 735 ft (224.0 m), screened 730 to 735 ft (222.5 to 224.0 m).

DATUM.--Altitude of land-surface datum is 75.0 ft (22.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.6 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 76C.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 205.62 ft (62.68 m) below land-surface datum, Mar. 7, 1979; lowest measured, 207.46 ft (63.23 m) below land-surface datum, Feb. 3, 1981.



CITY OF SUFFOLK

364051076503401. Local number, 56B4.

LOCATION.--Lat 36°40'51", long 76°50'34", Hydrologic Unit 03010202, 2.3 mi (3.7 km) south of Carrsville near State Route 641. Owner: Moody Gardner.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 395 ft (120.4 m), screened 385 to 395 ft (117.4 to 120.4 m).

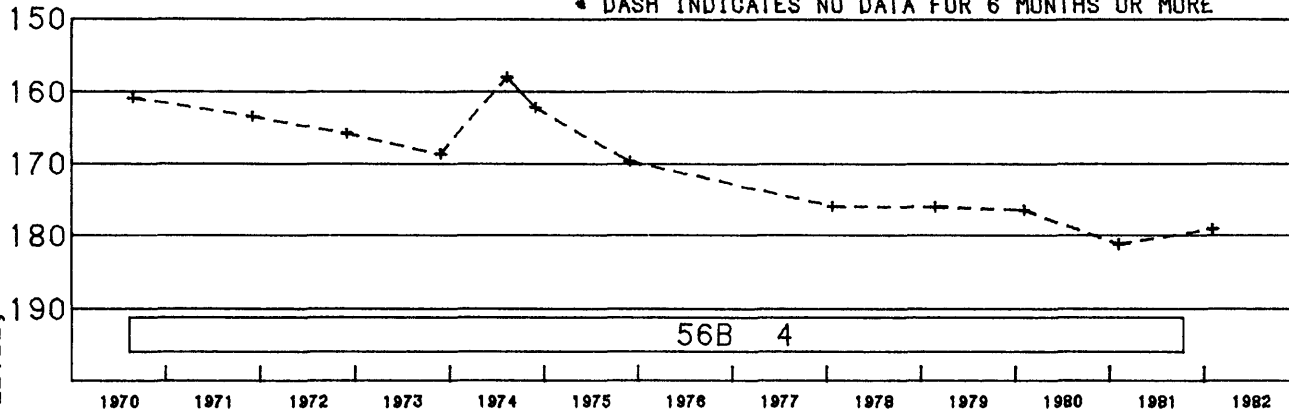
DATUM.--Altitude of land-surface datum is 58 ft (17.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 158.01 ft (48.16 m) below land-surface datum, Aug. 14, 1974; lowest measured, 181.22 ft (55.24 m) below land-surface datum, Feb. 4, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



CITY OF SUFFOLK

364051076455601. Local number, 56B7.

LOCATION.--Lat 36°40'51", long 76°45'56", Hydrologic Unit 03010202, 1.2 mi (1.9 km) east of Holland, 0.4 mi (0.7 km) south of U.S. Highway 58. Owner: Virginia Polytechnic Institute and State University Extension Service.

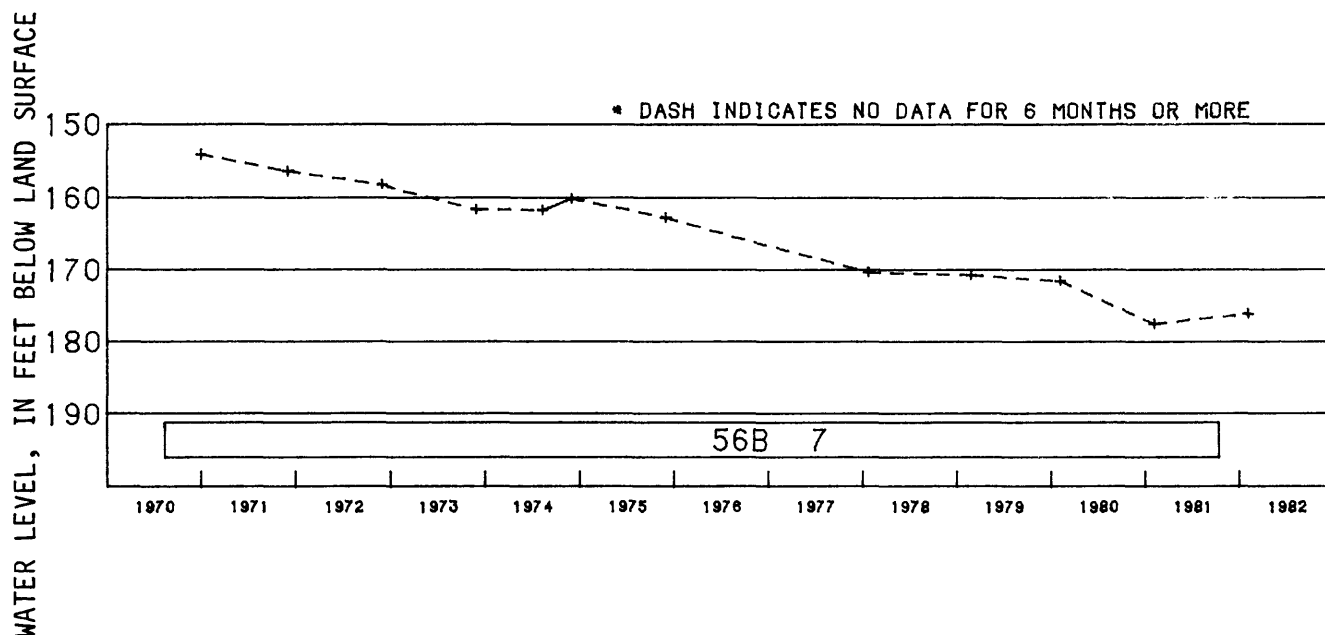
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 6 in (150 mm), depth 511 ft (155.8 m), diameter 4 in (100 mm), screened 490 to 510 ft (149.4 to 155.5 m).

DATUM.--Altitude of land-surface datum is 80 ft (24.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft (0.4 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 154.10 ft (46.97 m) below land-surface datum, Dec. 30, 1970; lowest measured, 177.49 ft (54.10 m) below land-surface datum, Feb. 4, 1981.



CITY OF SUFFOLK

363608076400701. Local number, 57A1.

LOCATION.--Lat 36°36'08", long 76°40'07", Hydrologic Unit 03010203, 1.4 mi (2.2 km) north of Whaleyville near U.S. Highway 13. Owner: Virginia Department of Highways and Transportation.

AQUIFER.--Sand and gravel of Cretaceous age.

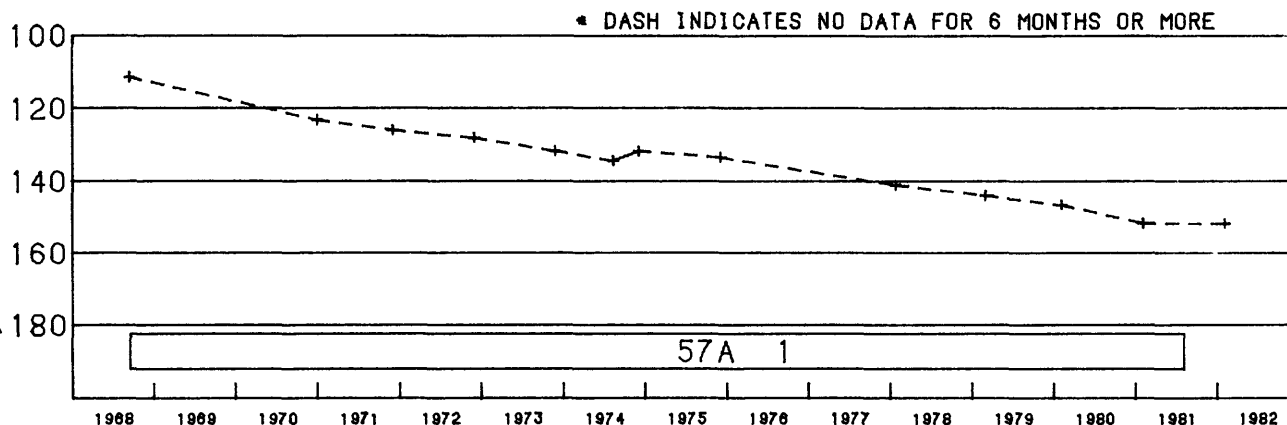
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 610 ft (185.9 m), depth 620 ft (189.0 m), screened 610 to 620 ft (185.9 to 189.0 m).

DATUM.--Altitude of land-surface datum is 72 ft (22 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.5 ft (0.7 m) above land-surface datum.

PERIOD OF RECORD.--1968, 1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 111.42 ft (33.96 m) below land-surface datum, Sept. 12, 1968; lowest measured, 151.88 ft (46.29 m) below land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

364013076434601. Local number, 57B1.

LOCATION.--Lat 36°40'13", long 76°43'46", Hydrologic Unit 03010202, at the Virginia Swine Evaluation Station, 0.2 mi (0.3 km) east near State Route 610. Owner: Virginia Cooperative Extension Service.

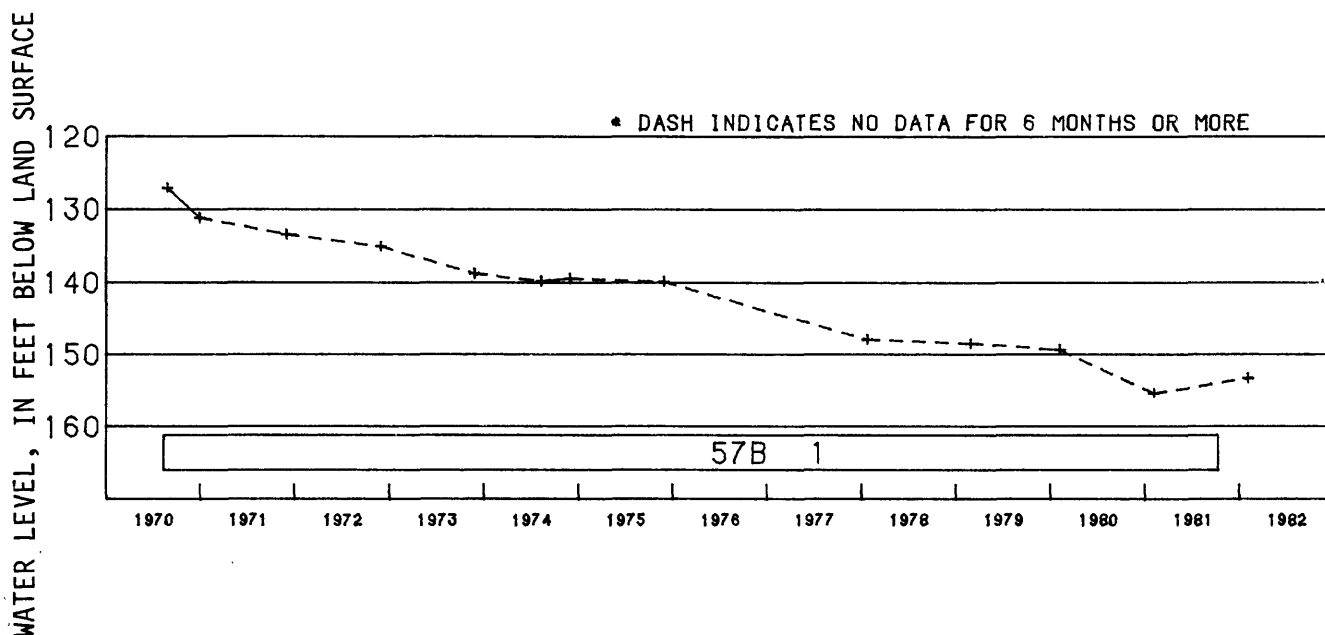
AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 472 ft (143.9 m), depth 496 ft (151.2 m), screened 472 to 492 ft (143.9 to 150.0 m).

DATUM.--Altitude of land-surface datum is 65 ft (20 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.7 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.09 ft (38.73 m) below land-surface datum, Aug. 26 1970; lowest measured, 155.39 ft (47.36 m) below land-surface datum, Feb. 4, 1981.



CITY OF SUFFOLK

363834076382301. Local number, 57B8.

LOCATION.--Lat 36°38'27", long 76°38'05", Hydrologic Unit 03010205, 0.3 mi (0.48 km) southwest of State Highway 664 and 0.8 mi (1.3 km) east of U.S. Highway 13. Owner: Soren F. Andresen.

AQUIFER.--Sand of Chesapeake group.

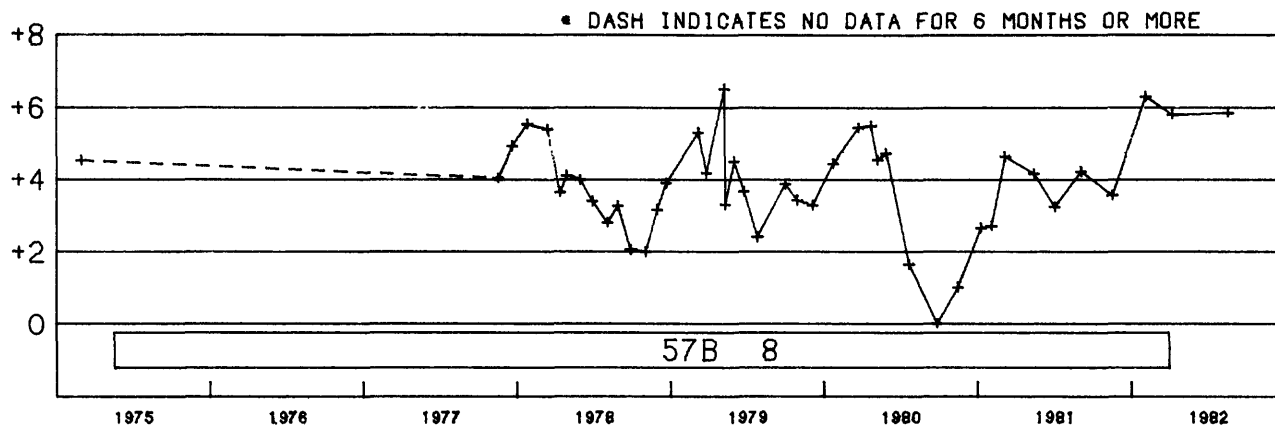
WELL CHARACTERISTICS.--Drilled flowing water well, diameter 2 in (50 mm), depth 65 ft (19.8 m), screened 50 to 65 ft (15.2 to 19.8 m).

DATUM.--Altitude of land-surface datum is 45 ft (13.7 m) National Geodetic Vertical Datum of 1929. Measuring point: At land-surface datum.

PERIOD OF RECORD.--1975, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.51 ft (1.98 m) above land-surface datum, May 9, 1979; lowest measured, at land-surface datum, Sept. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363810076381001. Local number, 57B9.

LOCATION.--Lat 36°38'36", long 76°38'10", Hydrologic Unit 03010205, 0.2 mi (0.32 km) southwest of State Highway 664, 0.7 mi (1.1 km) southeast of U.S. Highway 13, and 6.7 mi (10.8 km) southwest of Suffolk. Owner: Soren Andresen.

AQUIFER.--Sand of Chesapeake group.

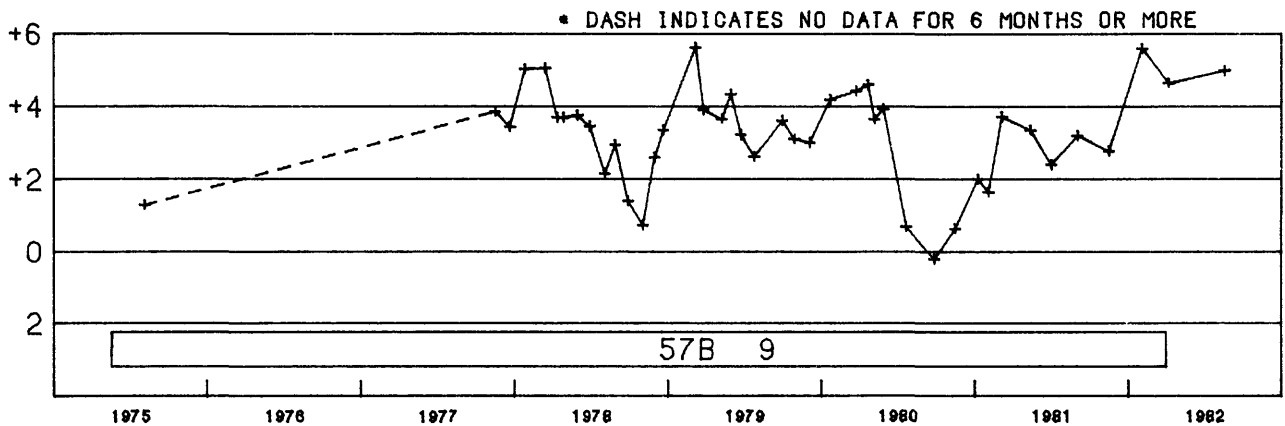
WELL CHARACTERISTICS.--Drilled flowing unused water well, diameter 1.25 in (32 mm), depth 85 ft (25.9 m), screened 70 to 85 ft (2.13 to 25.9 m).

DATUM.--Altitude of land-surface datum is 45 ft (13 m) National Geodetic Vertical Datum of 1929. Measuring point: At land-surface datum.

PERIOD OF RECORD.--1975, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.63 ft (1.72 m) above land-surface datum, Mar. 9, 1979; lowest measured, 0.22 ft (0.07 m) below land-surface datum, Sept. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

364655076381101. Local number, 57C12.

LOCATION.--Lat 36°46'55", long 76°38'11", Hydrologic Unit 02080208, at Idlewood Homes near State Route 460 east on State Route 604 at Providence Church. Owner: P. D. Prudem.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 6 in (150 mm), depth 535 ft (163.1 m), screened 515 to 535 ft (1567.0 to 163.1 m).

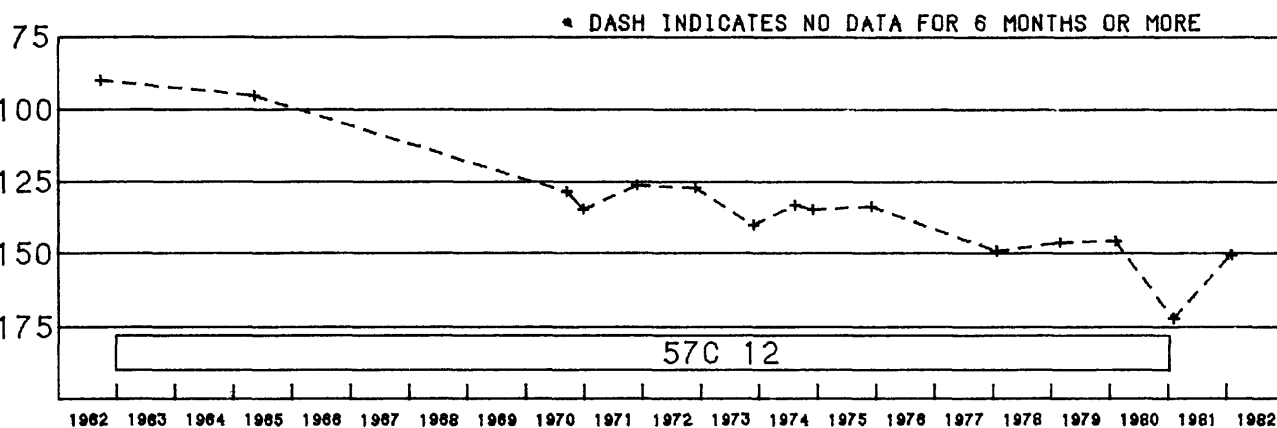
DATUM.--Altitude of land-surface datum is 78 ft (77.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.4 m) above land-surface datum.

REMARKS.--Well number 1.

PERIOD OF RECORD.--1962, 1965, 1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 90.0 ft (27.43 m) below land-surface datum, Sept. 23, 1962; lowest measured, 172.30 ft (52.51 m) below land-surface datum, Feb. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363704076334501. Local number, 58A1.

LOCATION.--Lat 36°37'02", long 76°33'45", Hydrologic Unit 03010205, 1.85 mi (3.0 km) east of Cypress Chapel on State Route 604, Cypress Swamp. Owner: Union Camp Corporation.

AQUIFER.--Sand and gravel of Cretaceous age.

WELL CHARACTERISTICS.--Jetted, unused well, diameter 3 in (75 mm), depth 420 ft (128.0 m), screened 410 to 420 ft (125.0 to 128.0 m).

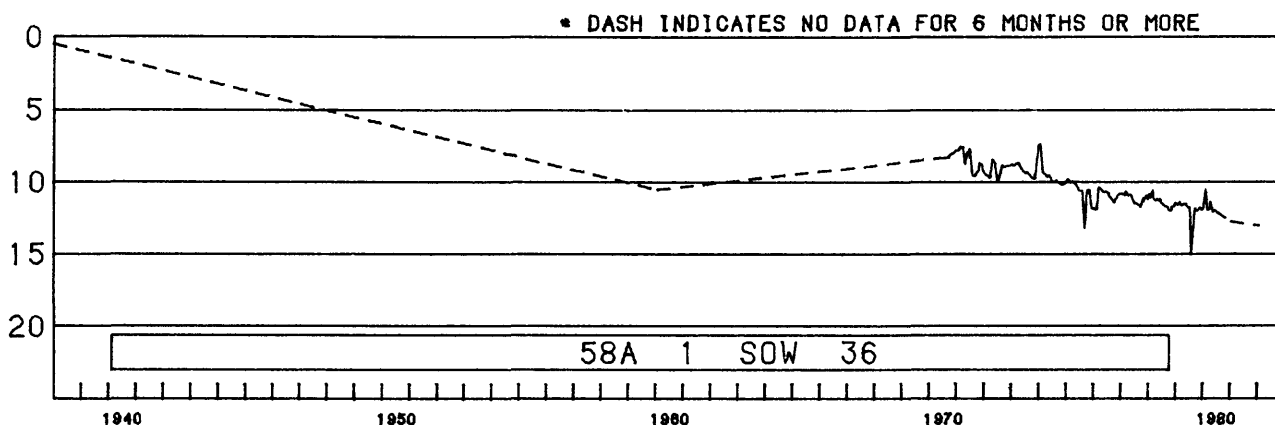
DATUM.--Altitude of land-surface datum is 32.0 ft (9.8 m) National Geodetic Vertical Datum of 1929. Measuring point: At land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well No. 36.

PERIOD OF RECORD.--1938, 1960, 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.5 ft (0.15 m) below land-surface datum, Jan. 1, 1938; lowest measured, 15.10 ft (4.60 m) below land-surface datum, Aug. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363408076350001. Local number, 58A2.

LOCATION.--Lat 36°34'08", long 76°35'00", Hydrologic Unit 03010205, 1.3 mi (2.2 km) north of North Carolina state line on State Route 678. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm) depth 1,920 ft (585.2 m), screened 481 to 486 ft (146.6 to 148.1 m), 730 to 735 ft (222.5 to 224.0 m), 947 to 952 ft (288.7 to 290.2 m), 1,115 to 1,120 ft (339.9 to 341.4 m), 1,222 to 1,227 ft (372.5 to 374.0 m), 1,427 to 1,432 ft (435.0 to 436.5 m), 1,537 to 1,542 ft (468.5 to 470.0 m), 1,874 to 1,879 ft (571.2 to 572.7 m).

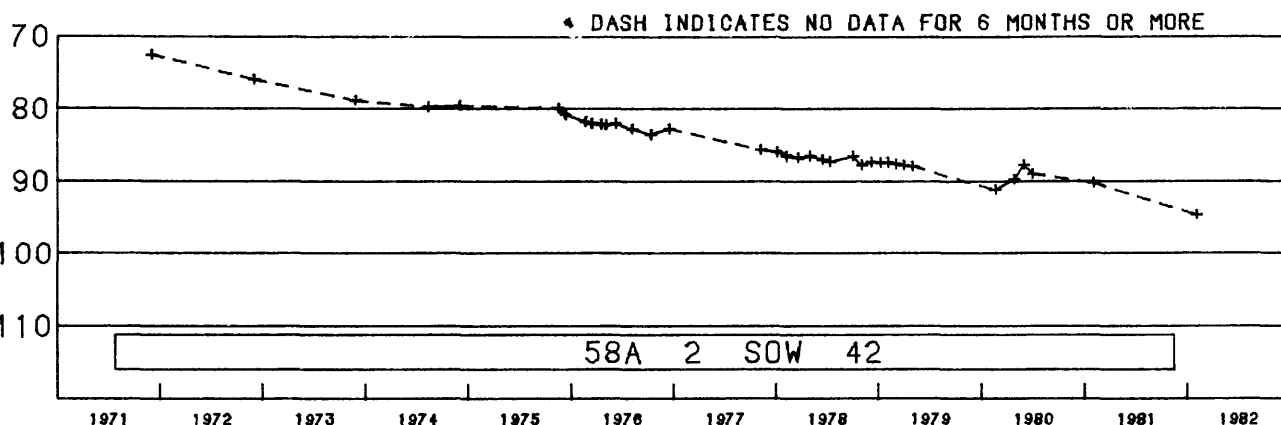
DATUM.--Altitude of land-surface datum is 58.0 ft (17.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.5 ft (0.8 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well No. 42.

PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.52 ft (22.10 m) below land-surface datum, Dec. 1, 1971; lowest measured, 94.69 ft (28.86 m) below land-surface datum, Feb. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363353076331701. Local number, 58A23.

LOCATION.--Lat 36°33'53", long 76°33'17", Hydrologic Unit 03010205, 200 ft (61.0 m) north of State Highway 678, 400 ft (121.9 m) west of State Highway 604, and 12.1 mi (19.5 km) south of Suffolk. Owner: Raymond R. Brinkley.

AQUIFER.--Sand of undifferentiated Paleocene age.

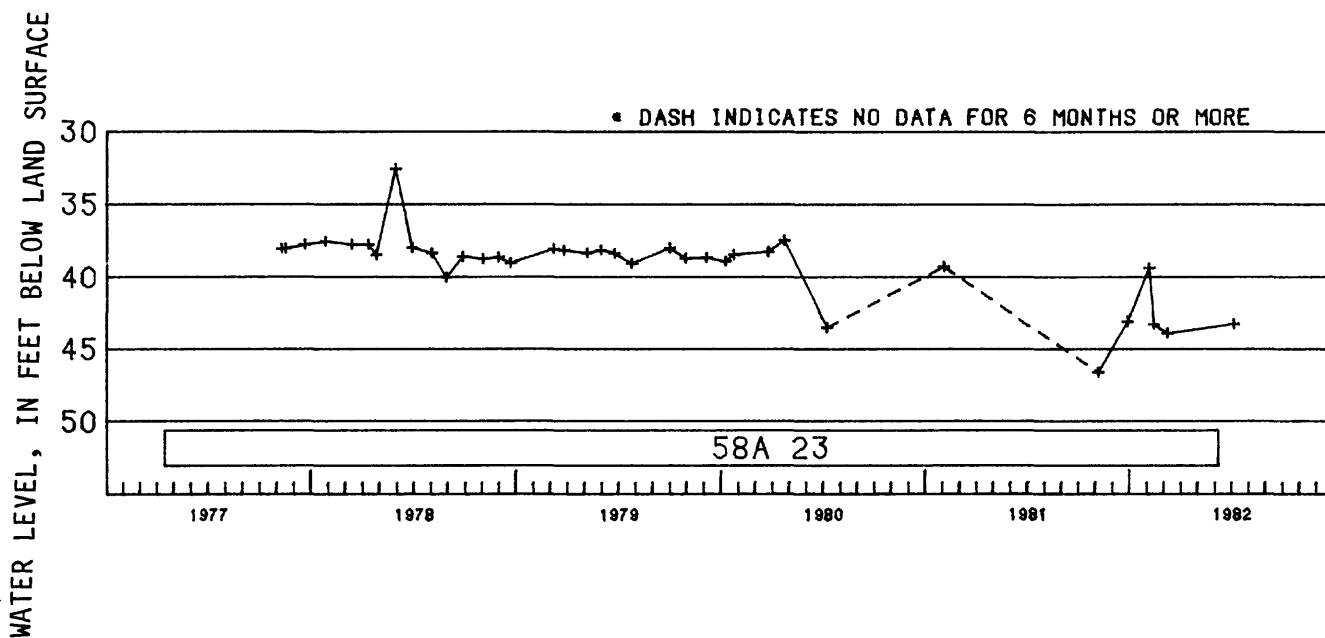
WELL CHARACTERISTICS.--Drilled used water well, diameter 4 in (100 mm) to 80 ft (24.4 m), 2 in (50 mm) from 80 to 420 ft (24.4 to 128.0 m), depth 420 ft (128.0 m), screened 410 to 420 ft (125.0 to 128.0 m).

DATUM.--Altitude of land-surface datum is 60 ft (18 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.67 ft (0.2 m) above land-surface datum.

REMARKS.--Water level affected by pumpage.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.56 ft (9.92 m) below land-surface datum, May 31, 1978; lowest measured, 46.66 ft (14.22 m) below land-surface datum, Nov. 6, 1981.



CITY OF SUFFOLK

364439076323501. Local number, 58B1.

LOCATION.--Lat 36°44'39", long 76°32'35", Hydrologic Unit 03010205, 0.2 mi (0.3 km) west of the intersection of State Routes 337 and 460, 58, and 13; entrance on State Route 337; Magnolia, off State Route 460. Owner: Suffolk Concrete Products Corporation.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

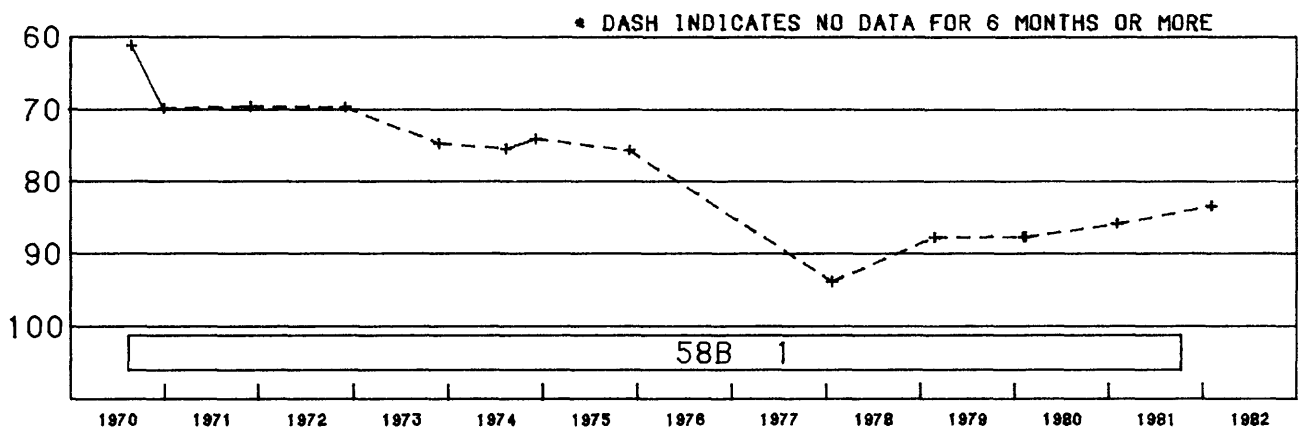
WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 6 in (150 mm), depth 635 ft (193.6 m), screened 570 to 590 ft (173.8 to 180.0 m).

DATUM.--Altitude of land-surface datum is 22 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.2 ft (0.7 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.2 ft (18.65 m) below land-surface datum, Aug. 27, 1970; lowest measured, 93.93 ft (28.63 m) below land-surface datum, Jan. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363928076332901. Local number, 58B13.

LOCATION.--Lat 36°39'28", long 76°33'29", Hydrologic Unit 03010205, 4 mi (6.5 km) south of Suffolk and east of State Route 642. Owner: Melvin Brinkley.

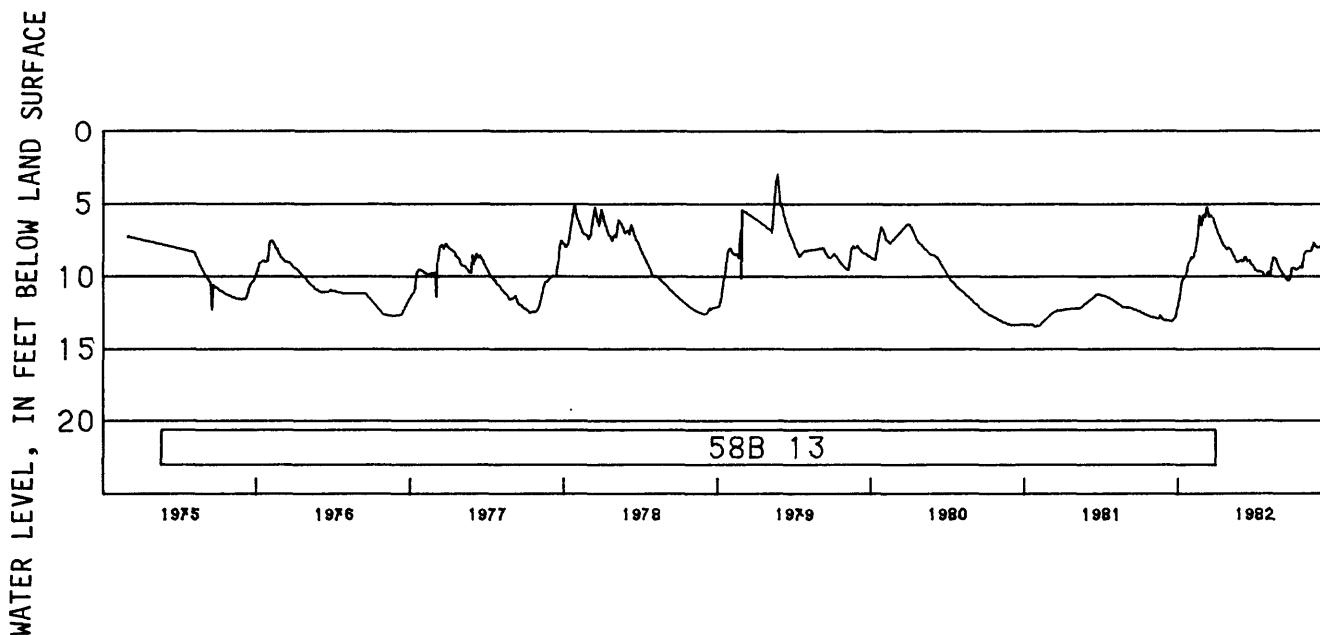
AQUIFER.--Sand of Pleistocene age.

WELL CHARACTERISTICS.--Dug unused water well, diameter 22 in (550 mm), depth 15 ft (4.6 m).

DATUM.--Altitude of land-surface datum is 40 ft (12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.90 ft (0.58 m) above land-surface datum.

PERIOD OF RECORD.--1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.95 ft (0.90 m) below land-surface datum, May 25, 1979; lowest recorded, 13.44 ft (4.10 m) below land-surface datum, Jan. 23-26, 1981.



CITY OF SUFFOLK

363921076331601. Local number, 58B14.

LOCATION.--Lat 36°39'21", long 76°33'16", Hydrologic Unit 03010205, 4 mi (6.5 km) south of Suffolk and east of State Route 642. Owner: Melvin Brinkley.

AQUIFER.--Sand of Pleistocene age.

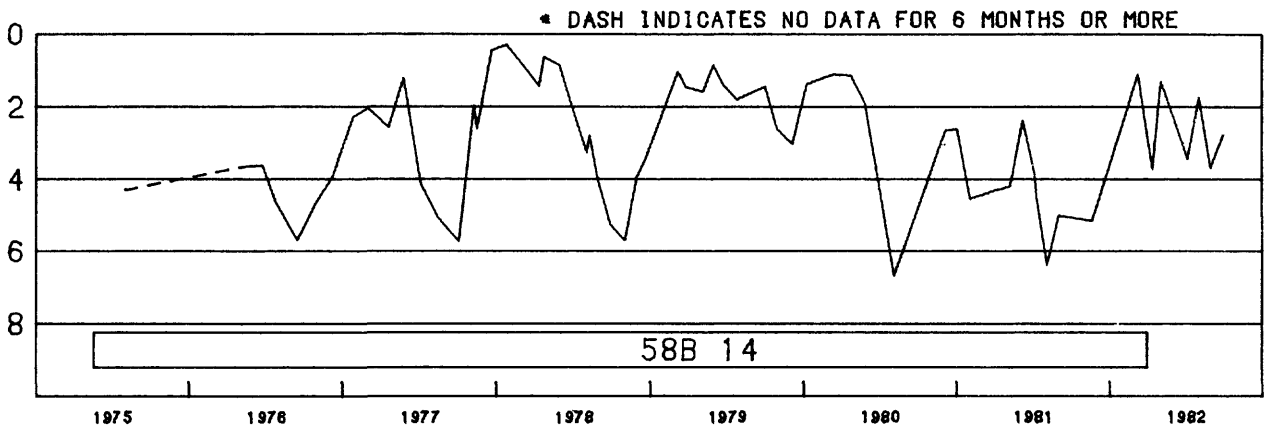
WELL CHARACTERISTICS.--Dug unused water well, diameter 22 in (550 mm), depth 9.3 ft (2.8 m).

DATUM.--Altitude of land-surface datum is 30 ft (9 m) National Geodetic Vertical Datum of 1929. Measuring point: Inside edge of casing, 2.5 ft (0.8 m) above land-surface datum.

PERIOD OF RECORD.--1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.30 ft (0.09 m) below land-surface datum, Jan. 26, 1978; lowest measured, water level below bottom of casin, Sept. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363925076331701. Local number, 58B15.

LOCATION.--Lat 36°39'25", long 76°33'43", Hydrologic Unit
03010205, 4 mi (6.5 km) south of Suffolk near State Route 642.

Owner: Melvin Brinkley.

AQUIFER.--Sand of Pleistocene age.

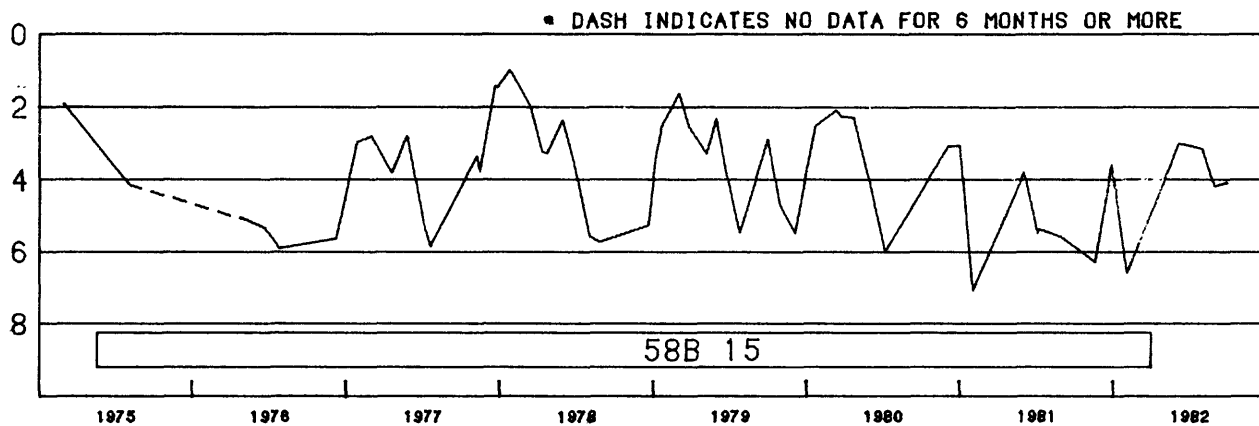
WELL CHARACTERISTICS.--Dug unused water well, diameter 22 in
(550 mm), depth 6.6 ft (2.0 m), sounded Feb. 3, 1982.

DATUM.--Altitude of land-surface datum is 35 ft (11 m) National
Geodetic Vertical Datum of 1929. Measuring point: Inside
edge of casing, 1.4 ft (0.4 m) above land-surface datum.

PERIOD OF RECORD.--1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
0.98 ft (0.30 m) below land-surface datum, Jan. 26, 1978;
lowest measured, below bottom of well at times each year.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

363902076331901. Local number, 58B48.

LOCATION.--Lat 36°39'02", long 76°33'19", Hydrologic Unit 03010205, 4 mi (6.4 km) south of Suffolk and east of State Route 642. Owner: Melvin Brinkley.

AQUIFER.--Sand of Quaternary age.

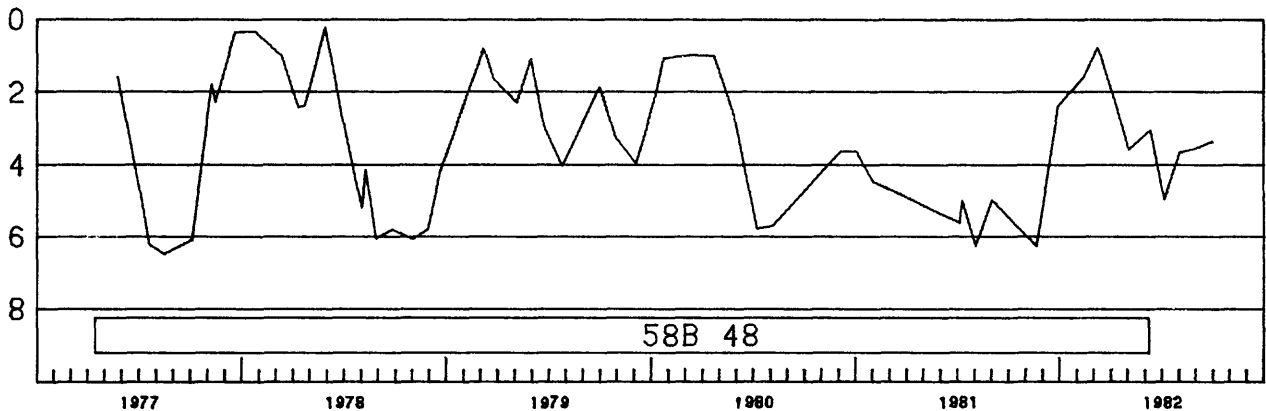
WELL CHARACTERISTICS.--Dug unused water well, diameter 24 in (600 mm), depth 7 ft (2.1 m).

DATUM.--Altitude of land-surface datum is 35 ft (11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of inside edge of casing, 1.4 ft (0.4 m) above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft (0.06 m) below land-surface datum, May 31, 1978; lowest measured, below bottom of well Sept. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE



CITY OF SUFFOLK

364301076314801. Local number, 58B114.

LOCATION.--Lat 36°43'30", long 76°31'48", Hydrologic Unit 03010205, at the intersection of Jericho Lane and Jericho Ditch in the Great Dismal Swamp. Owner: U.S. Fish and Wildlife.

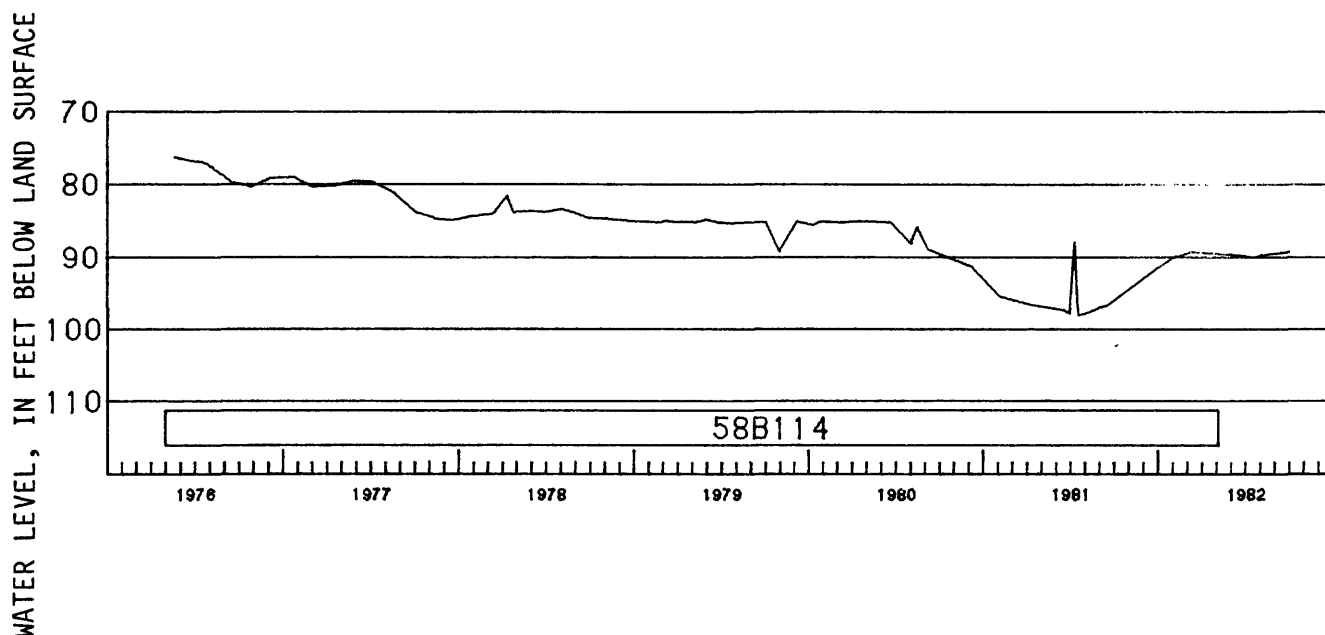
AQUIFER.--Sand of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 4 in (100 mm) to 61.8 ft (18.8 m), 2 in (50 mm) from 61.8 to 569.9 ft (18.8 to 173.7 m), depth 569.9 ft (173.7 m), screened 559.9 to 569.9 ft (170.7 to 173.7 m).

DATUM.--Altitude of land-surface datum is 25 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.29 ft (23.25 m) below land-surface datum, May 21, 1976; lowest measured, 98.02 ft (29.88 m) below land-surface datum, July 16, 1981.



CITY OF SUFFOLK

364330076345101. Local number, 58B235.

LOCATION.--Lat 36°43'30", long 76°34'51", Hydrologic Unit 02080208, in the Planters Plant in the city of Suffolk.

Owner: Planters Peanut Company.

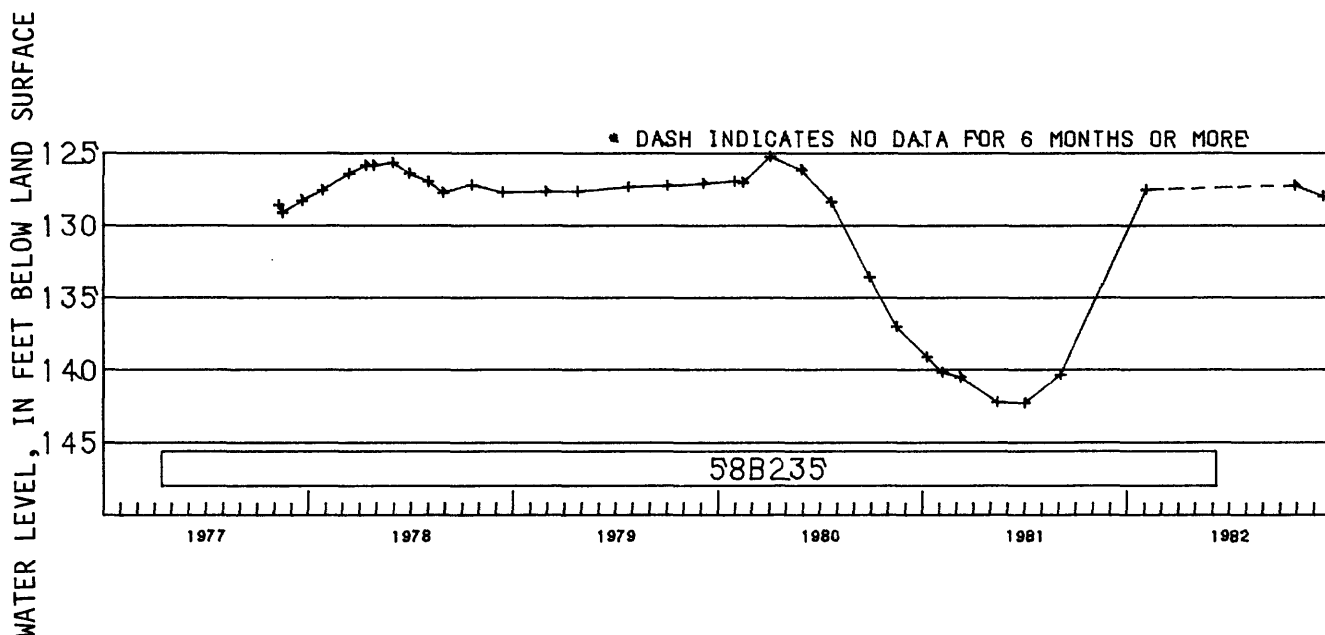
AQUIFER.--Sand of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 10 in (250 mm) to 254 ft (77.4 m), 8 in (200 mm) from 254 to 422 ft (77.4 to 128.6 m), 6 in (150 mm) from 422 to 570.0 (128.6 to 173.7 m), depth 570 ft (173.7 m), screened 530 to 561.6 ft (161.5 to 171.2 m).

DATUM.--Altitude of land-surface datum is 53 ft (16 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.5 ft (0.8 m) above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.25 ft (38.18 m) below land-surface datum, Apr. 2, 1980; lowest measured, 142.30 ft (43.37 m) below land-surface datum, July 2, 1981.



CITY OF SUFFOLK

365055076355301. Local number, 58C2.

LOCATION.--Lat 36°50'55", long 76°35'53", Hydrologic Unit
03080208, 0.5 mi (0.8 km) south of Oakland near State Route
603. Owner: Scott Saunders.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in
(100 mm), depth 651 ft (198.4 m), screened 638 to 651 ft
(194.5 to 198.4 m).

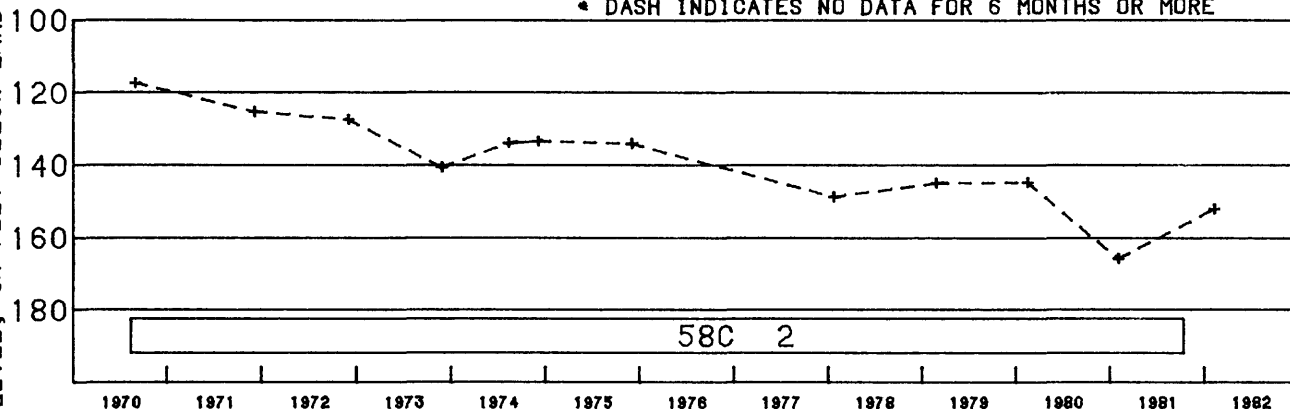
DATUM.--Altitude of land-surface datum is 87 ft (26.5 m)
National Geodetic Vertical Datum of 1929. Measuring point:
Top of casing, 1.6 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
117.40 ft (35.78 m) below land-surface datum, Aug. 28, 1970;
lowest measured, 165.81 ft (50.54 m) below land-surface datum,
Feb. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE

* DASH INDICATES NO DATA FOR 6 MONTHS OR MORE



CITY OF SUFFOLK

365218076313001. Local number, 58C8.

LOCATION.--Lat 36°52'18", long 76°31'30", Hydrologic Unit 02080208, 0.5 mi (0.8 km) west of Wilkerson Landing. Owner: G. A. Nimo.

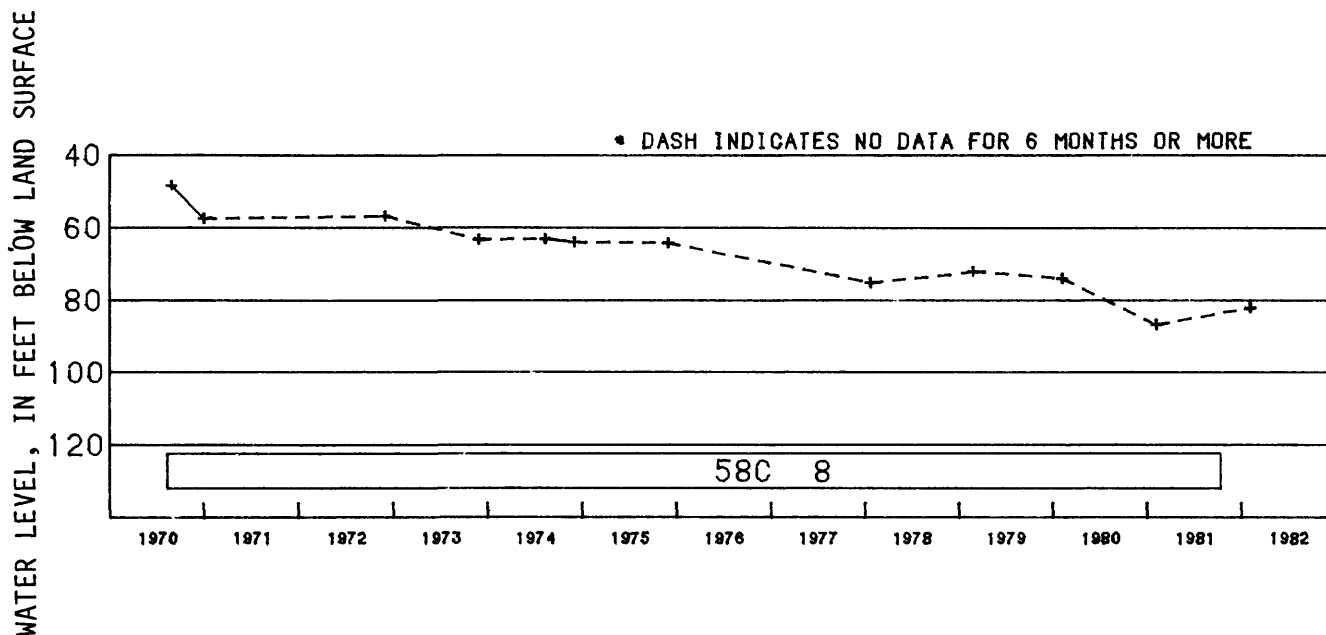
AQUIFER.--Sand of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 562 ft (171.3 m), screened 552 to 562 ft (168.3 to 171.3 m).

DATUM.--Altitude of land-surface datum is 22 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--1970, 1972-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.40 ft (14.75 m) below land-surface datum, Aug. 28, 1970; lowest measured, 86.89 ft (26.48 m) below land-surface datum, Feb. 7, 1981.



SURRY COUNTY

370408076460101. Local number, 56E1.

LOCATION.--Lat 37°04'08", long 76°46'01", Hydrologic Unit 03010202, on State Route 617, 3.2 mi (5.1 km) southwest of Bacons Castle. Owner: Buster E. Cox.

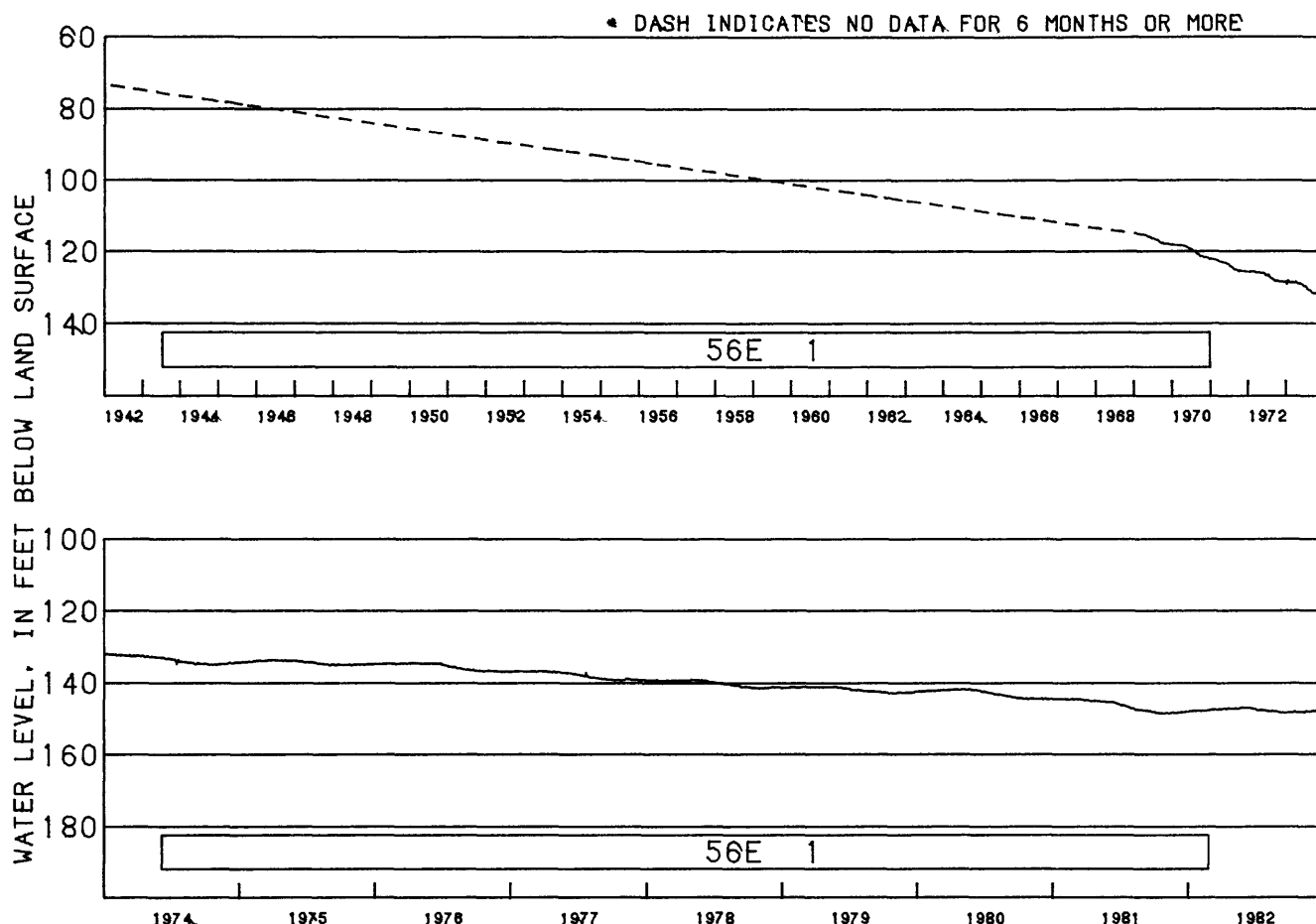
AQUIFER.--Sand of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 18 in (450 mm) to 360 ft (109.7 m), 8 in (200 mm) from 333.5 to 705 ft (101.7 to 214.9 m), depth 705 ft (214.9 m), screened 401 to 411 ft (122.2 to 125.3 m), 431 to 441 ft (131.4 to 134.4 m), 463 to 473 (141.1 to 144.2 m), 495 to 505 ft (150.9 to 153.9 m), 540 to 555 ft (164.6 to 169.2 m), 700 to 705 ft (213.4 to 214.9 m).

DATUM.--Altitude of land-surface datum is 93 ft (28 m) National Geodetic Vertical Datum of 1929. Measuring point: Top edge of recorder shelf, 3.6 ft (1.1 m) above land-surface datum.

PERIOD OF RECORD.--1942, 1969, 1971-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 73.52 ft (22.41 m) below land-surface datum, Mar. 10, 1942; lowest recorded, 148.48 ft (45.26 m) below land-surface datum, Nov. 12, 13, 1981.



SURRY COUNTY

370800076500701. Local number, 56F2.

LOCATION.--Lat 37°08'00", long 76°50'07", Hydrologic Unit 02080206, at Surry Elementary School, 0.35 mi (0.6 km) south of Surry near State Route 31. Owner: Town of Surry.

AQUIFER.--Sand of Cretaceous age.

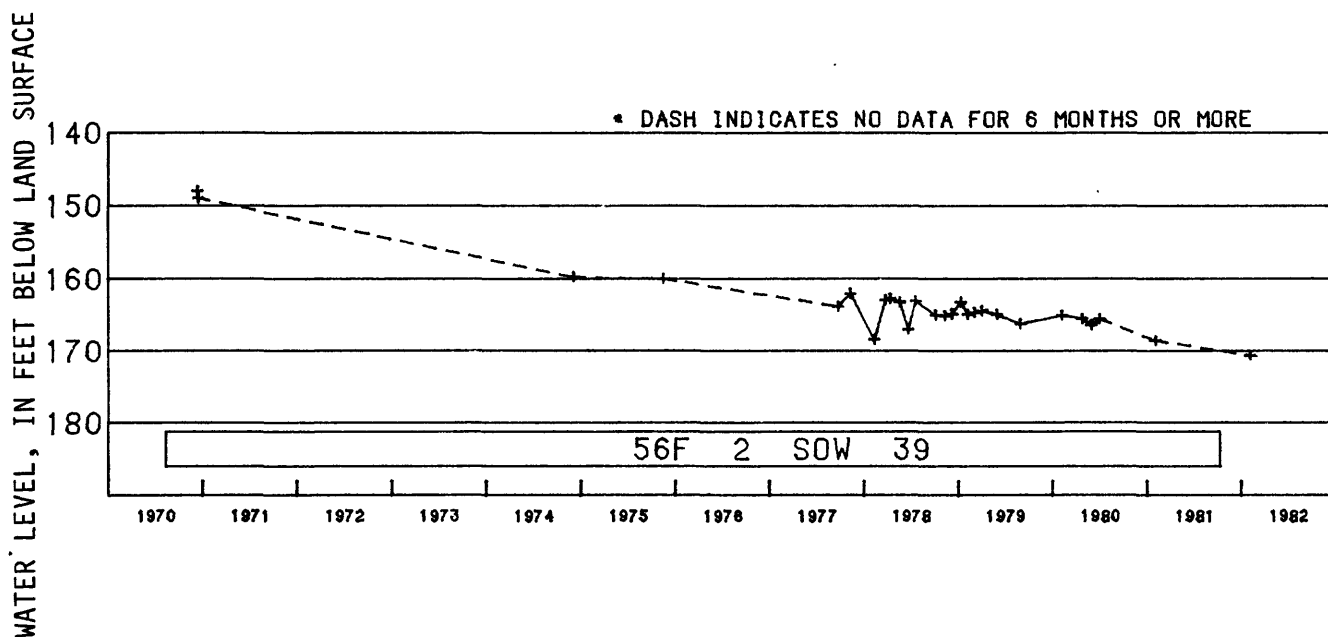
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (100 mm), 850 ft (106.7 m), from 362 to 367 ft (110.3 to 111.9 m), total depth 367 ft (111.9 m), screened, diameter 4 in from 350 ft to 362 ft (106.7 to 110.3 m).

DATUM.--Altitude of land-surface datum is 122 ft (37.2 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.0 ft (0.3 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 39.

PERIOD OF RECORD.--1970, 1974, 1975, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.0 ft (45.11 m) below land-surface datum, Dec. 11, 1970; lowest measured, 170.65 ft (52.01 m) below land-surface datum, Feb. 2, 1982.



SURRY COUNTY

370839076434901. Local number, 57F1.

LOCATION.--Lat 37°08'39", long 76°43'49", Hydrologic Unit 02080206, 0.45 mi (0.7 km) north of Chippokes, near State Route 633. Owner: Chippokes State Park.

AQUIFER.--Sand and limestone of the Pamunkey Group (?).

WELL CHARACTERISTICS.--Drilled unused well, diameter 2 in (50 mm) to 274 ft (83.5 m), depth 288 ft (87.8 screened 274 to 286 ft (83.5 to 87.2 m)).

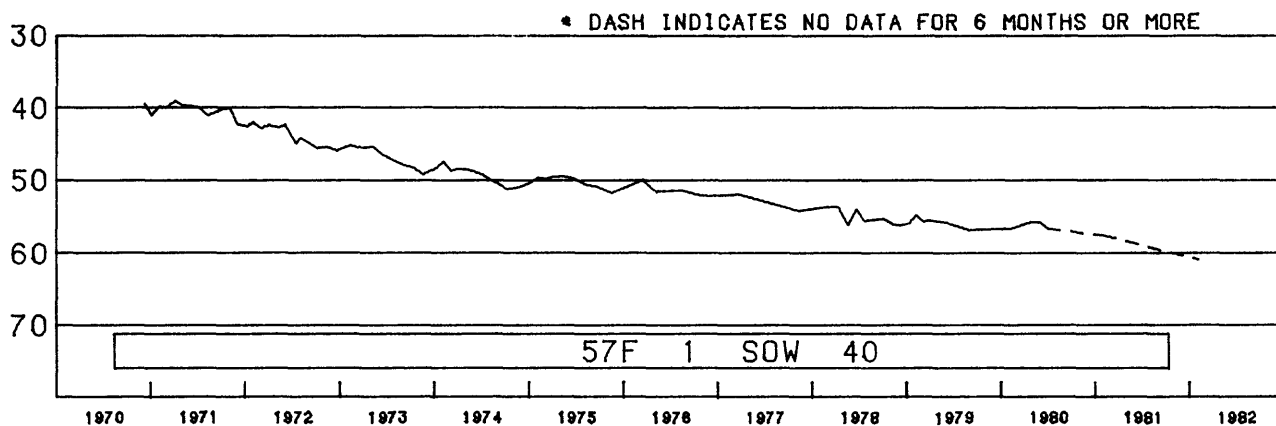
DATUM.--Altitude of land-surface datum is 10 ft (3.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.5 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 40.

PERIOD OF RECORD.--1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.07 ft (11.91 m) below land-surface datum, Apr. 7, 1971; lowest measured, 60.91 ft (18.56 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SURRY COUNTY

371008076414901. Local number, 57F6.

LOCATION.--Lat 37°10'08", long 76°41'49", Hydrologic Unit 02080206, at Hog Island, Surry Power Plant, 0.1 mi (0.2 km) east of State Route 650. Owner: Virginia Electric Power Company.

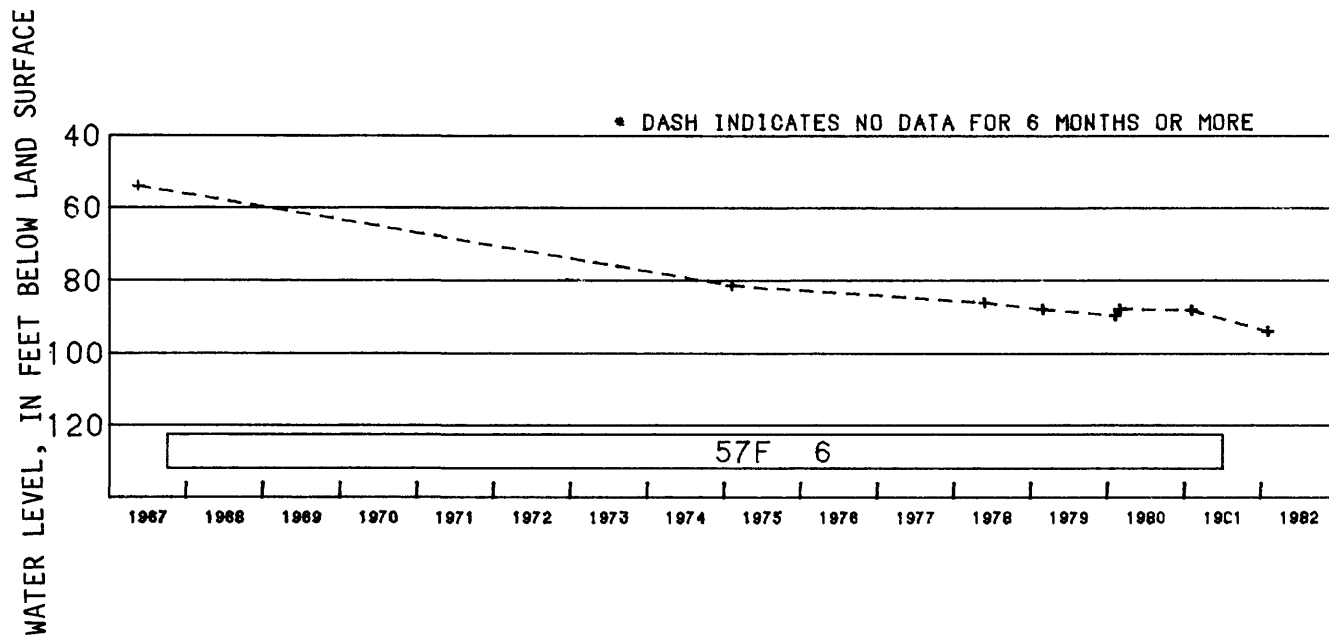
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 6 in (150 mm) to 280 ft (115.8 m), depth 400 ft (121.9 m), screened diameter 4 in (100 mm) from 380 to 400 ft (115.8 to 121.9 m).

DATUM.--Altitude of land-surface datum is 35 ft (10.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.65 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1967, 1975, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.0 ft (16.46 m) below land-surface datum, May 16, 1967; lowest measured, 93.83 ft (28.60 m) below land-surface datum, Feb. 2, 1982.



SURRY COUNTY

371132076405501. Local number, 57F16.

LOCATION.--Lat 37°11'32", long 76°40'55", Hydrologic Unit 02080206, at the end of State Route 650, in Homewood, near Hog Point. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm) to 1,206 ft (367.6 m), depth 1,206 ft (367.6 m), screened 1,170 to 1,185 ft (356.6 to 361.2 m).

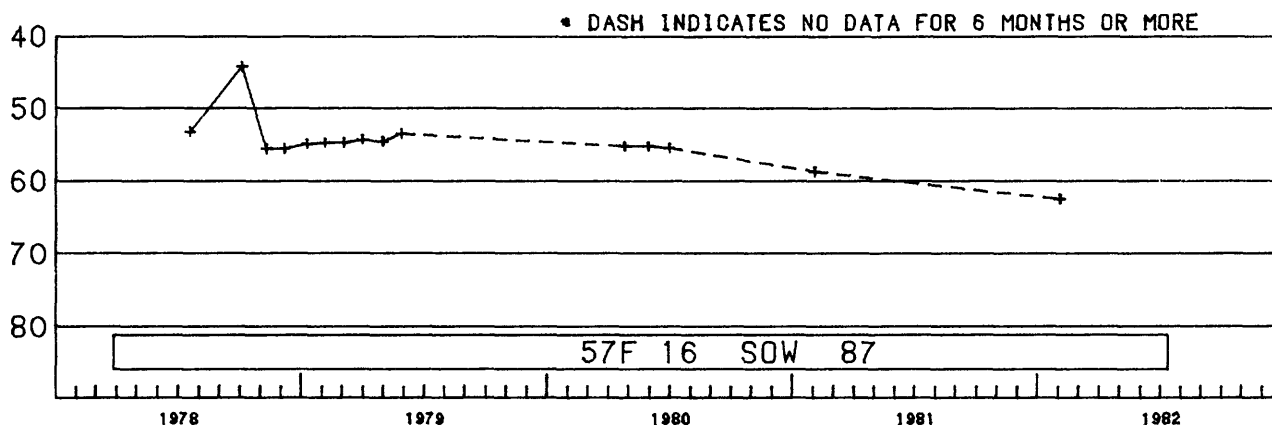
DATUM.--Altitude of land-surface datum is 5.0 ft (1.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 87A.

PERIOD OF RECORD.--1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.22 ft (13.48 m) below land-surface datum, Oct. 5, 1978; lowest measured, 62.54 ft (19.06 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SURRY COUNTY

371132076405502. Local number, 57F24.

LOCATION.--Lat 37°11'32", long 76°40'55", Hydrologic Unit 02080206 at the end of State Route 650 near Hog Point, within 10 ft (3.0 m) of well 57F16. Owner: Virginia State Water Control Board.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm), depth 520 ft (158.5 m), screened, 510 to 520 ft (155.5 to 158.5 m).

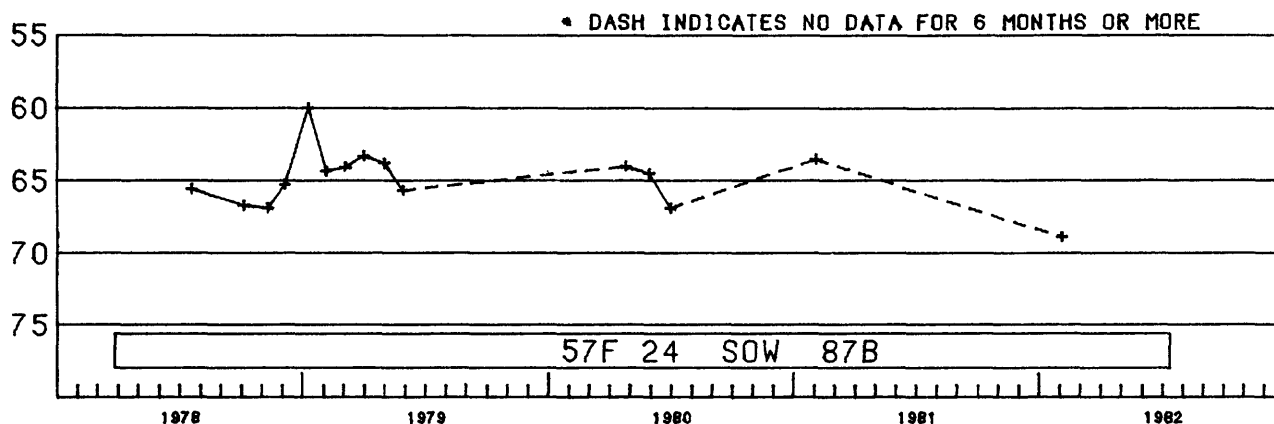
DATUM.--Altitude of land-surface datum is 5.0 ft (1.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft (0.6 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 87B.

PERIOD OF RECORD.--1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.95 ft (18.27 m) below land-surface datum Jan. 10, 1979; lowest measured, 68.89 ft (21.00 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SUSSEX COUNTY

365649077101501. Local number, 53D2.

LOCATION.--Lat 36°56'49", long 77°10'13", Hydrologic Unit 03010201, 0.2 mi (0.3 km) south of Homerville on State Route 35. Owner: F. Slate West.

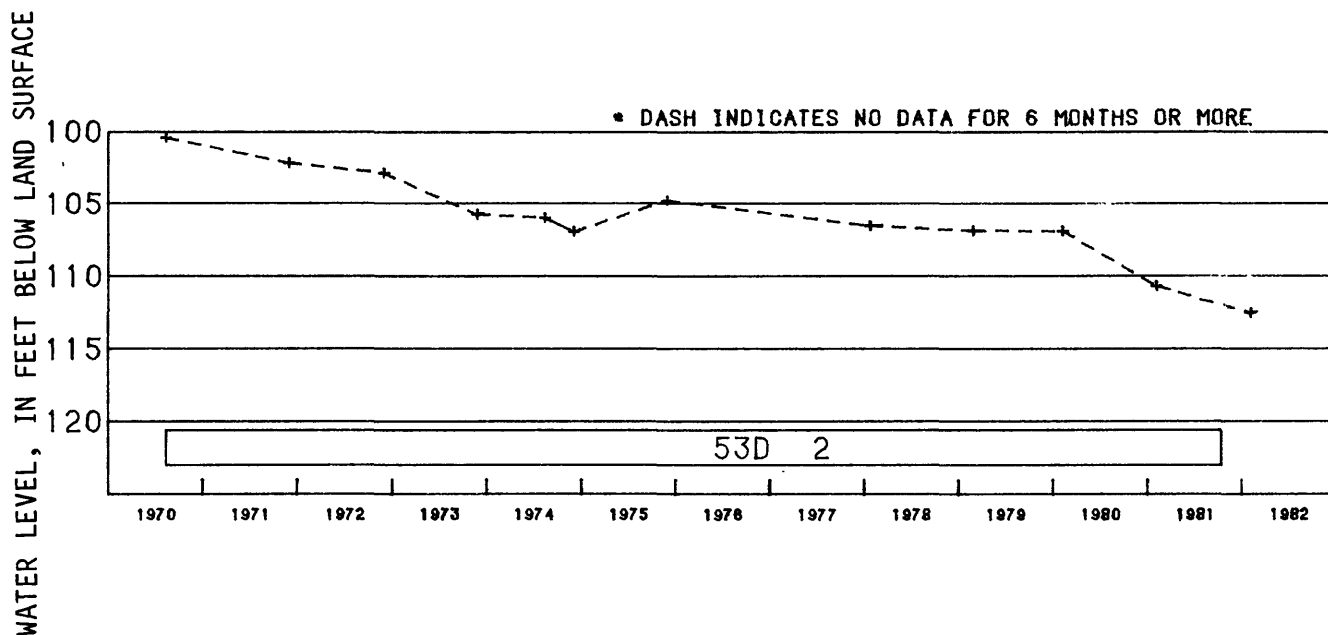
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm), depth 250 ft (76.2 m), screened 240 to 250 ft (73.2 to 76.2 m).

DATUM.--Altitude of land-surface datum is 125.0 ft (38.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal, 0.7 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--1970-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.42 ft (30.61 m) below land-surface datum, Aug. 12, 1970; lowest measured, 112.55 ft (34.30 m) below land-surface datum, Feb. 2, 1982.



SUSSEX COUNTY

365843077090201. Local number, 53D3.

LOCATION.--Lat 36°58'43", long 77°09'02", Hydrologic Unit
03010201, south of Waverly on State Route 40. Owner:
Virginia State Water Control Board.

AQUIFER.--Sand and gravel of Early Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter
6 in (150 mm), depth 554 ft (168.9 m), screened 279 to 284 ft
(85.0 to 86.6 m), 358 to 363 ft (109.1 to 110.6 m), 439 to
444 ft (133.8 to 135.3 m).

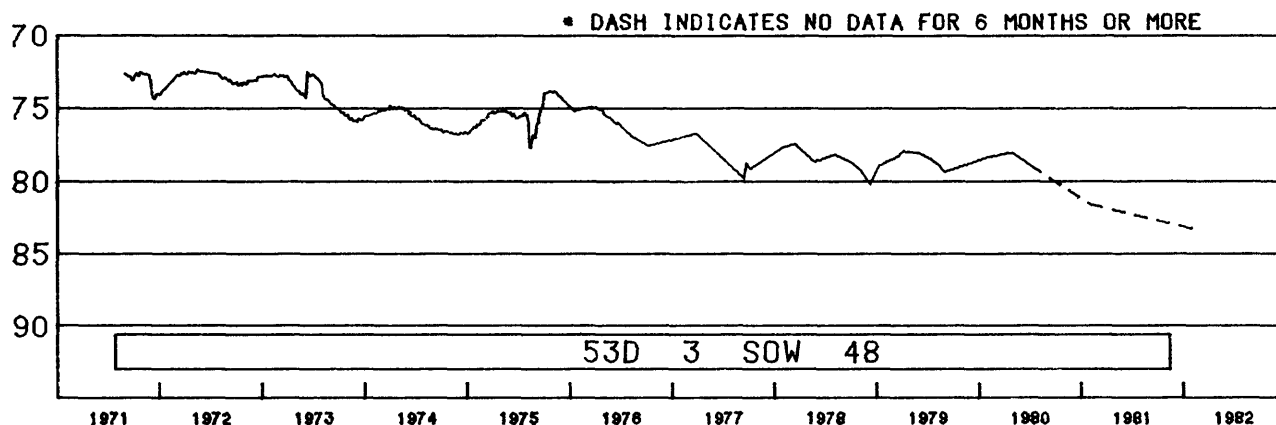
DATUM.--Altitude of land-surface datum is 90 ft (27 m) above
mean seal level. Measuring point: Top of casing, 2.60 ft
(0.79 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control
Board as State observation well 48. Recorder removed on Aug. 11,
1976. Measured data thereafter.

PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded,
72.38 ft (22.06 m) below land-surface datum, May 15, 1972;
lowest recorded, 83.30 ft (25.39 m) below land-surface datum,
Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



SUSSEX COUNTY

365235077150501. Local number, 53E5.

LOCATION.--Lat 37°02'37", long 77°11'30", Hydrologic Unit 03010201, 2.5 mi (4.0 km) north of Newville near State Route 625. Owner: Butler Lumber Company.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

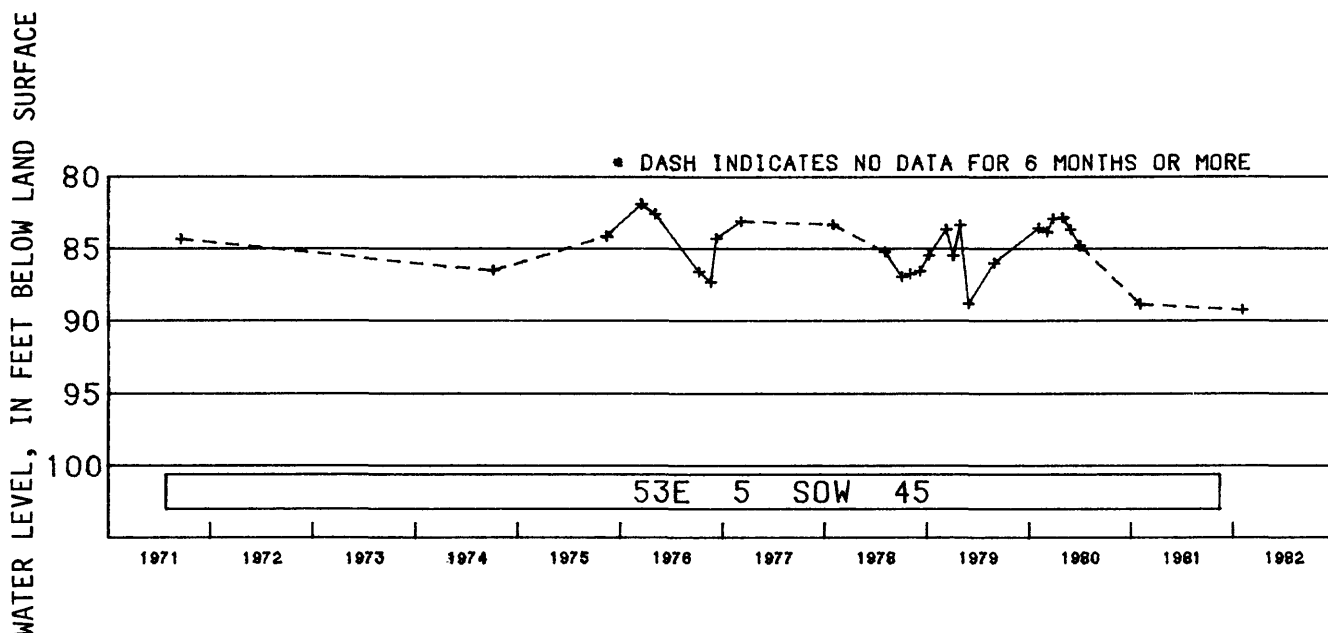
WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm), depth 172 ft (52.4 m), screened 162 to 172 ft (49.38 to 52.43 m).

DATUM.--Altitude of land-surface datum is 126.65 ft (38.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.25 ft (0.8 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 45.

PERIOD OF RECORD.--1971, 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.90 ft (24.96 m) below land-surface datum, Mar. 16, 1976; lowest measured, 89.27 ft (27.21 m) below land-surface datum, Feb. 2, 1982.



CITY OF VIRGINIA BEACH

364711076060001. Local number, 62C4.

LOCATION.--Lat 36°47'11", long 76°06'00", Hydrologic Unit 03010205, 2.0 mi (3.2 km) north of city of Virginia Beach near State Route 165. Owner: Virginia State Water Control Board.

AQUIFER.--Sand of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (100 mm), depth 149 ft (45.4 m), screened 118 to 128 ft (36.0 to 39.0 m).

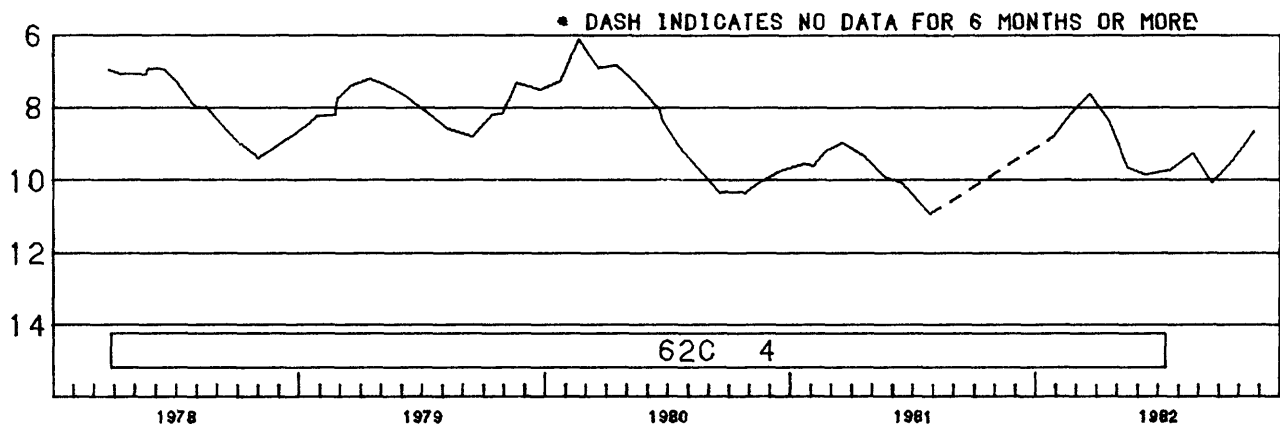
DATUM.--Altitude of land-surface datum is 13.0 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing is at land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 83.

PERIOD OF RECORD.--1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.10 ft (1.86 m) below land-surface datum, Feb. 20, 1980; lowest measured, 10.88 ft (3.32 m) below land-surface datum, Oct. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE



WESTMORELAND COUNTY

381110076550501. Local number, 55P5.

LOCATION.--Lat 38°11'10", long 76°55'05", Hydrologic Unit 02070011, behind craft shop at George Washington birthplace. Owner: National Park Service.

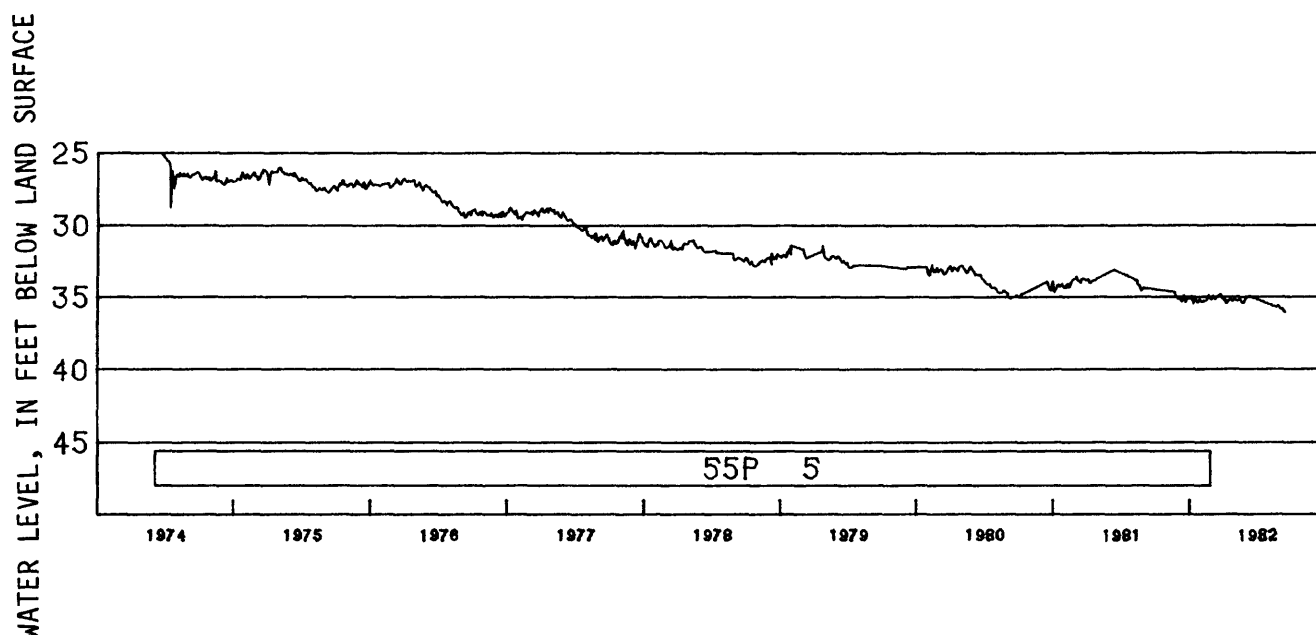
AQUIFER.--Sand of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 6 in (150 mm), depth 471 ft (143.6 m), screened 451 to 466 ft (137.5 to 142.0 m).

DATUM.--Altitude of land-surface datum is 24 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.0 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 25.05 ft (7.63 m) below land-surface datum, June 24, 1974; lowest recorded, 36.00 ft (10.97 m) below land-surface datum, Sept. 11, 12, 1982.



WESTMORELAND COUNTY

381132076551001. Local number, 55P9.

LOCATION.--Lat 38°11'32", long 76°55'10", Hydrologic Unit 02080104, 0.6 mi (0.97 km) north of the end of State Highway 204, near State Route 3 at George Washington Birthplace National Monument. Owner: National Park Service.

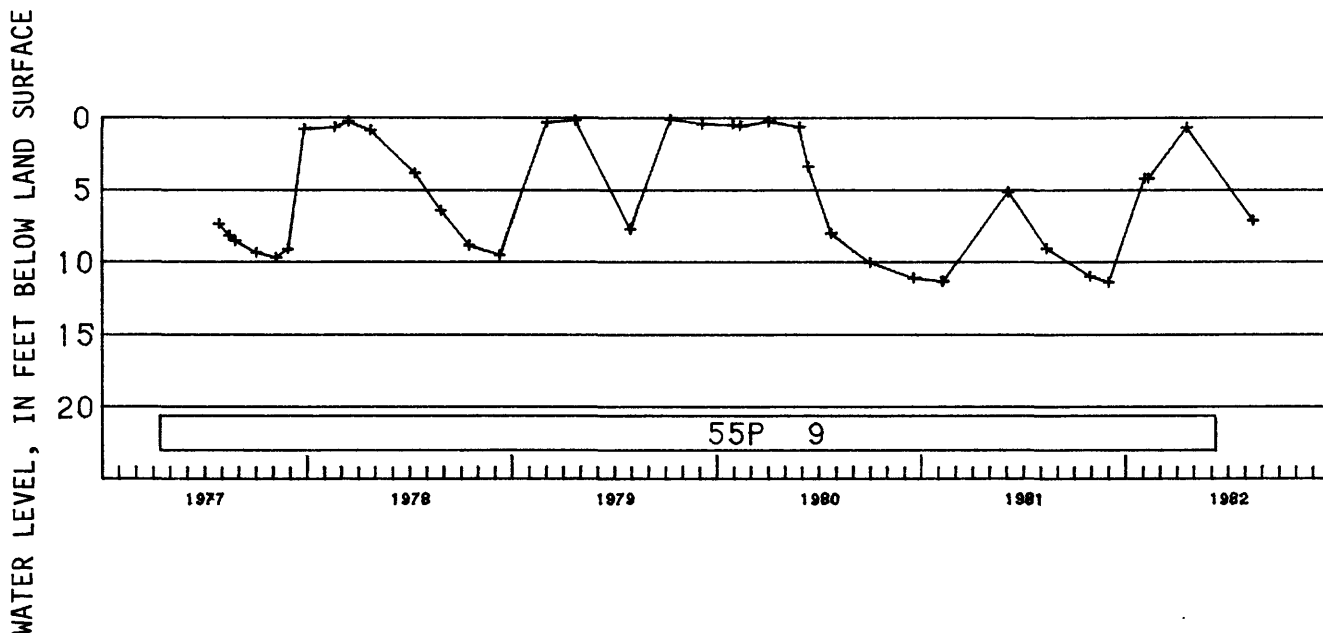
AQUIFER.--Sand of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water well, diameter 36 in (900 mm), depth 22.6 ft (6.9 m).

DATUM.--Altitude of land-surface datum is 17 ft (5.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete lip on casing, 1.65 ft (0.50 m) above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.11 ft (0.03 m) below land-surface datum, Oct. 11, 1979; lowest measured, 11.38 ft (3.47 m) below land-surface datum, Dec. 1, 1981.



WESTMORELAND COUNTY

381530076584401. Local number, 55Q2.

Location.--Lat 38°15'30", long 76°58'44", Hydrologic Unit 02070011, 0.5 mi (0.8 km) north of Colonial Beach near State Route 205. Owner: Darl Concrete Contracting Company.

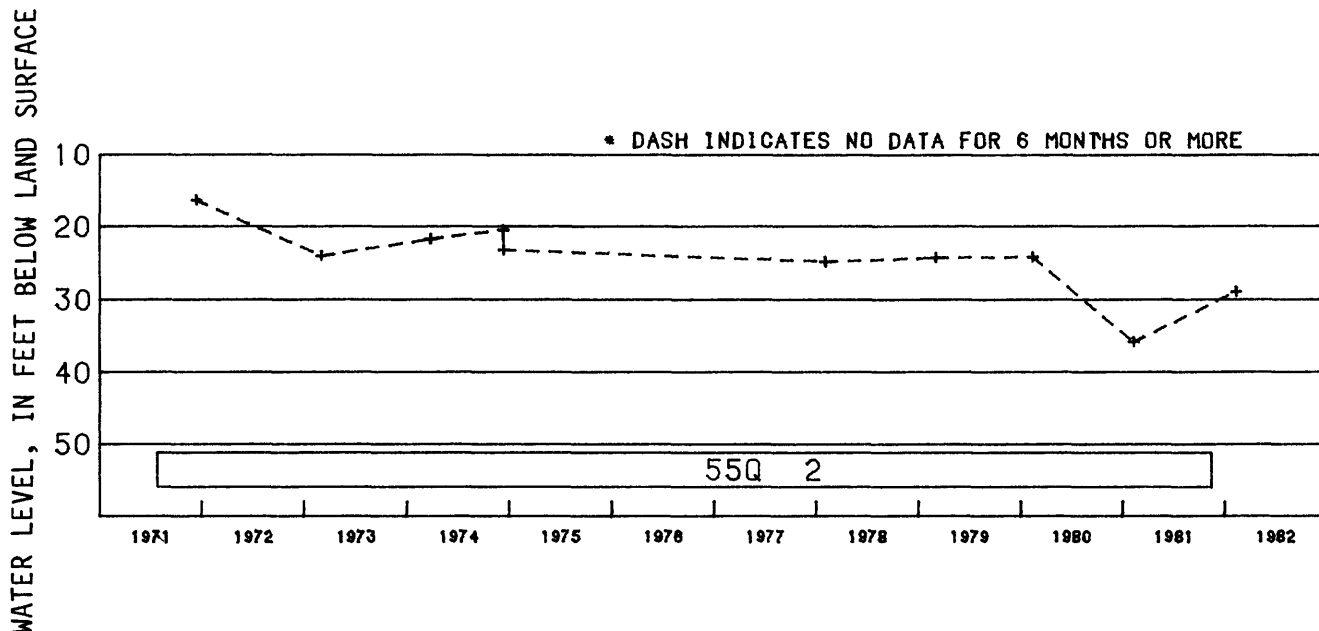
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 210 ft (64.0 m), diameter 2 in (50 mm) from 210 to 890 ft (64.01 to 271.3 m), depth 890 ft (271.3 m), screened from 844 to 874 ft (257.3 to 266.4 m).

DATUM.--Altitude of land-surface datum is 24.0 ft (7.32 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal is 2.8 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--1971, 1973, 1974, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.37 ft (4.99 m) below land-surface datum, Dec. 10, 1971; lowest measured, 35.84 ft (10.92 m) below land-surface datum, Feb. 9, 1981.



WESTMORELAND COUNTY

380538076490801. Local number, 56N1.

LOCATION.--Lat 38°05'38", long 76°49'08", Hydrologic Unit 02080104, at Washington and Lee School near Montross. Owner: Westmoreland County Public Schools.

AQUIFER.--Sand of undifferentiated Cretaceous age.

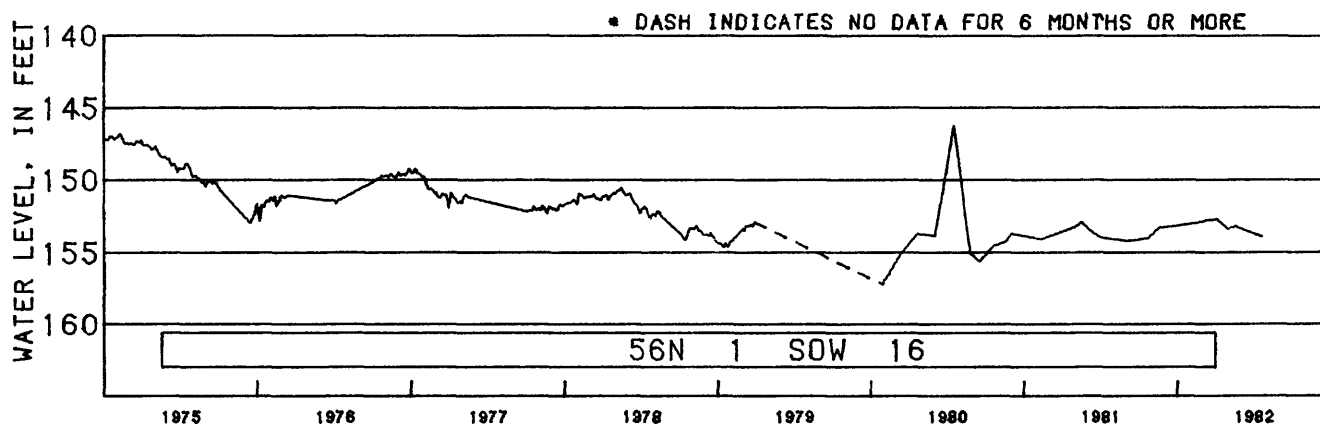
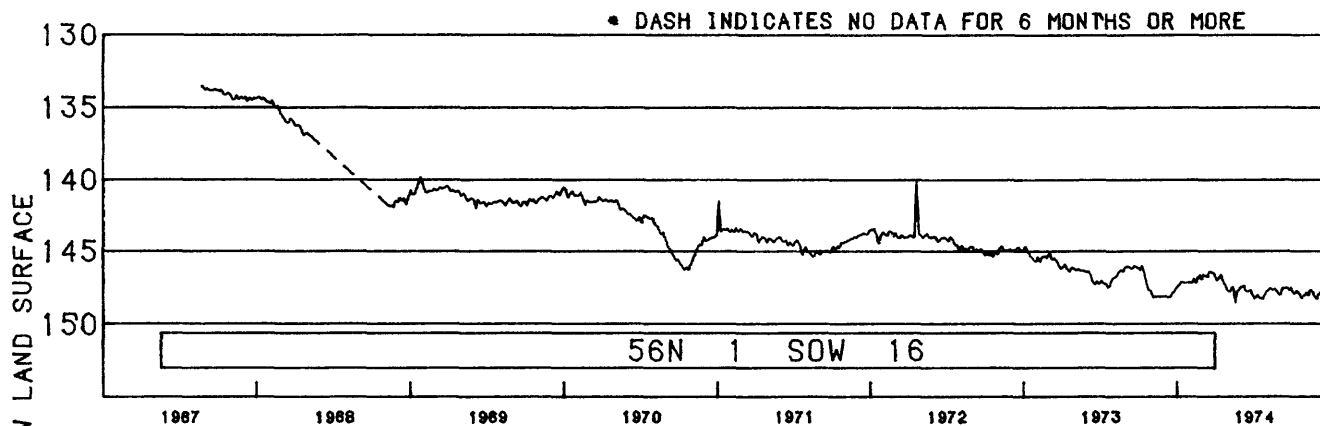
WELL CHARACTERISTICS.--Drilled unused water well, diameter 4 in (100 mm) to 189 ft (57.6 m), 2 in (50 mm) from 189 to 641 ft (57.6 to 195.4 m), depth 641 ft (195.4 m), screened 608 to 628 ft (185.3 to 191.4 m).

DATUM.--Altitude of land-surface datum is 149 ft (45 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.4 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 16. Recorder removed Mar. 31, 1979; manual measurements thereafter.

PERIOD OF RECORD.--1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 133.47 ft (40.68 m) below land-surface datum, Aug. 28, 1967; lowest measured, 157.20 ft (47.91 m) below land-surface datum, Jan. 28, 1980.



WESTMORELAND COUNTY

380527076475201. Local number, 56N6.

LOCATION.--Lat 38°05'27", long 76°47'52", Hydrologic Unit 02080104, at Welch Funeral Home, State Highway 3, 1.7 mi (2.7 km) east of Montross. Owner: John W. Welch.

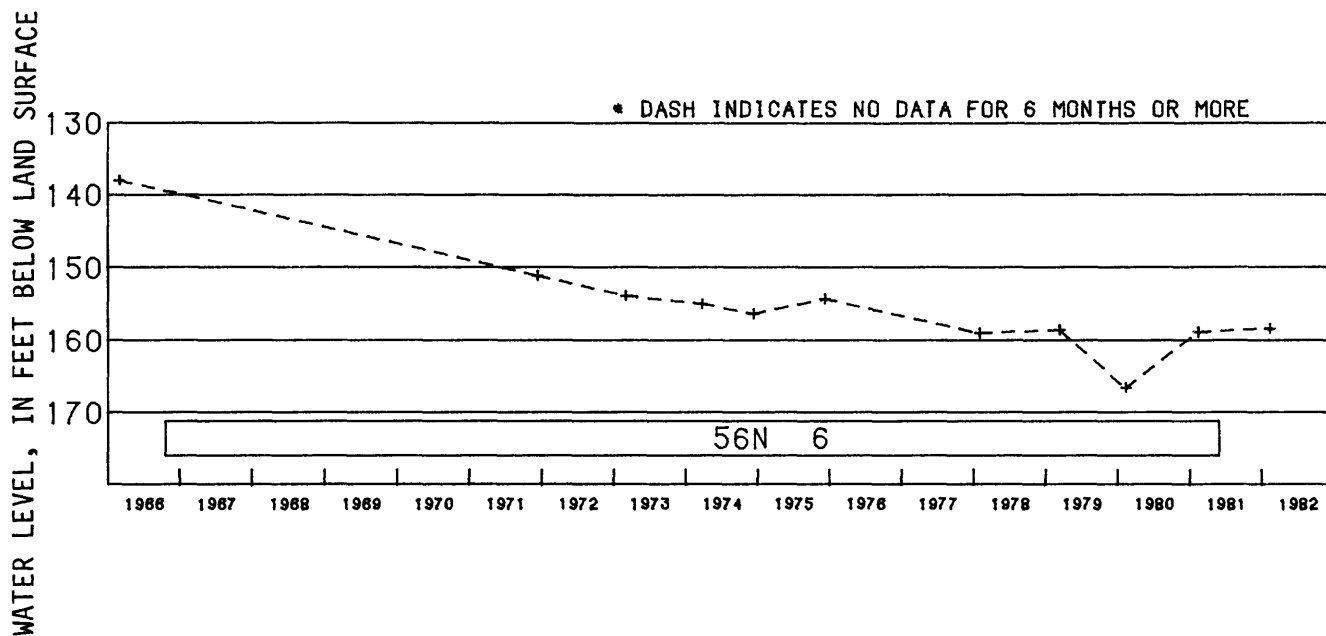
AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 4 in (100 mm) to 315 ft (96.0 m), diameter 2 in (50 mm) from 315 to 650 ft (96.0 to 198.1 m), depth 650 ft (198.1 m), screened 618 to 638 ft (188.4 to 194.5 m).

DATUM.--Altitude of land-surface datum is 140 ft (42.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing is 0.8 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--1966, 1971, 1973, 1975, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 138.0 ft (42.06 m) below land-surface datum Mar. 1, 1966; lowest measured, 166.59 ft (50.78 m) below land-surface datum, Feb. 11, 1980.



YORK COUNTY

371916076375901. Local number, 57G2.

LOCATION.--Lat 37°19'16", long 76°37'59", Hydrologic Unit 02080107, at Building 3101, Camp Peary, Williamsburg. Owner: Camp Peary Naval Reservation.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in (250 mm) to 352 ft (107.3 m), diameter 8 in (200 mm) from 352 to 387 ft (107.3 to 118.0 m), depth 387 ft (118.0 m).

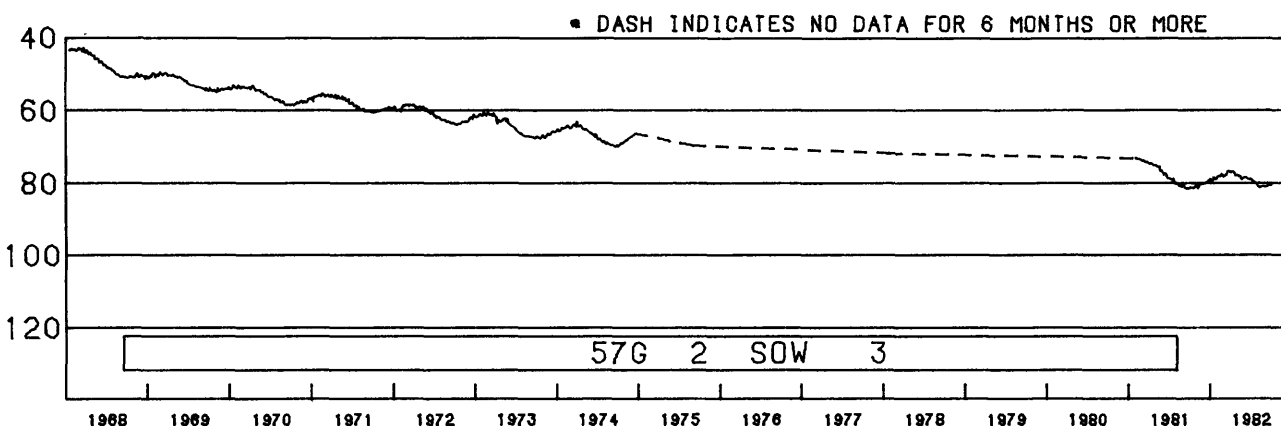
DATUM.--Altitude of land-surface datum is 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.20 ft (0.06 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board from 1968 to 1975 as State observation well 3.

PERIOD OF RECORD.--1968-76, 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.09 ft (13.13 m) below land-surface datum, Mar. 7, 1968; lowest recorded, 78.58 ft (23.95 m) below land-surface datum, Feb. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE



YORK COUNTY

371654076401601. Local number, 57G17.

LOCATION.--Lat 37/16'54", long 76/40'16", Hydrologic Unit 02080107, 0.05 mi (0.08 km) east of State Route 716 near

Parkway Estates. Owner: Parkway Estates Sydnor Hydrodynamics.

AQUIFER.--Sand of Cretaceous age.

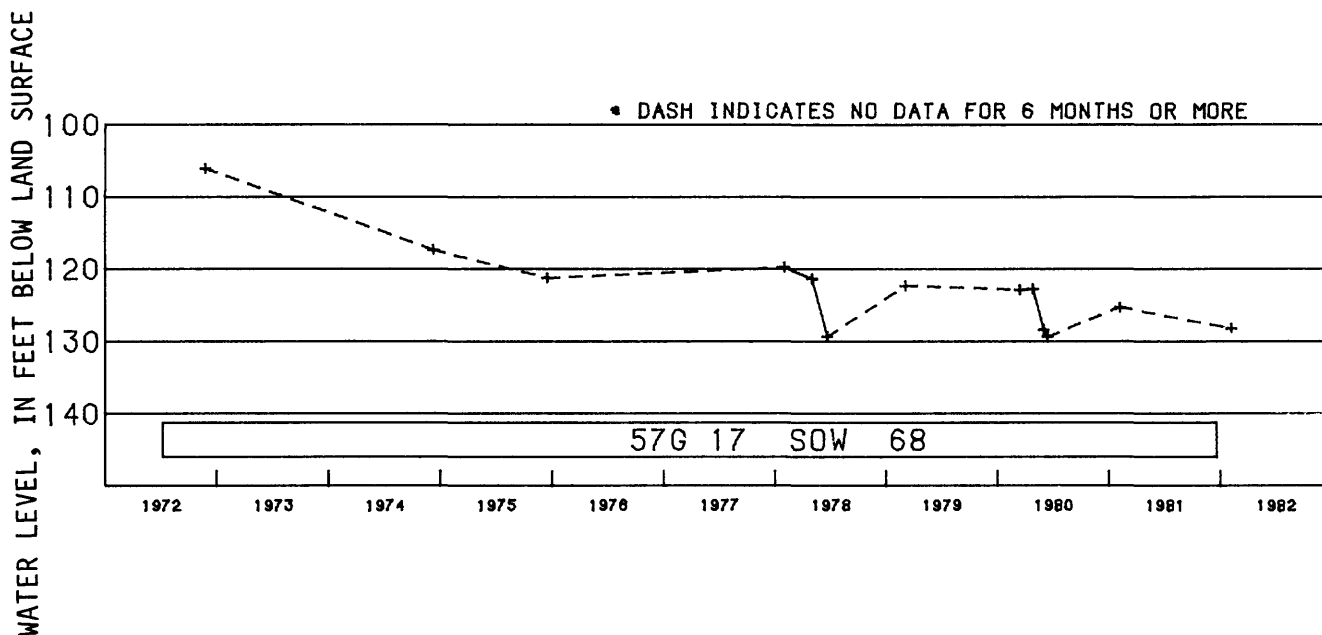
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in (200 mm), depth 452.3 ft (137.8 m), screened 411 to 426 ft (125.3 to 130.0 m), 442.2 to 452.3 ft (134.8 to 137.6 m).

DATUM.--Altitude of land-surface datum is 60 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.45 ft (0.4 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as State observation well 68.

PERIOD OF RECORD.--1972, 1974, 1975, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.09 ft (32.34 m) below land-surface datum, Nov. 22, 1972; lowest measured, 129.37 ft (39.43 m) below land-surface datum, June 13, 1980.



YORK COUNTY

371735076391501. Local number, 57G19.

LOCATION.--Lat 37/17'35", long 76/39'15", Hydrologic Unit 02080107, 0.05 mi (0.08 km) east of State Route 716 at Quenns Lake Subdivision. Owner: Sydnor Hydrodynamics.

AQUIFER.--Sand of Cretaceous age.

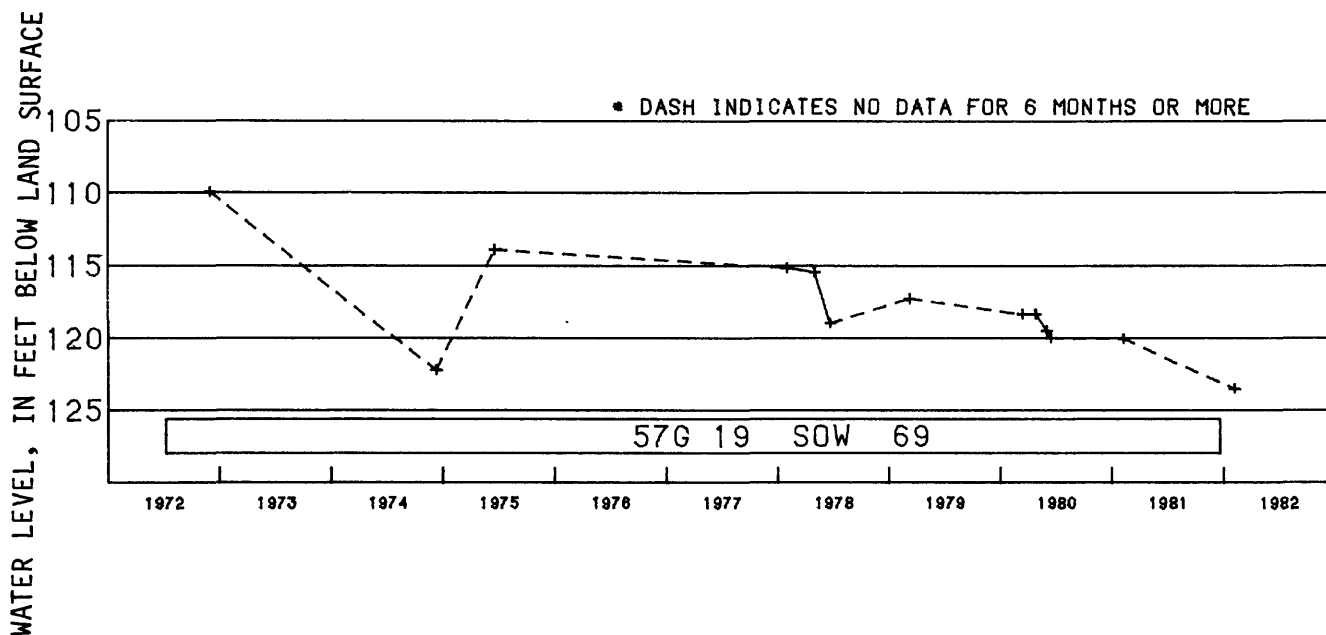
WELL CHARACTERISTICS.--Drilled unused well, diameter 6 in (150 mm), depth 515 ft (157.0 m), screened 420 to 430 ft (128.0 to 131.1 m), 445 to 460 ft (135.6 to 140.2 m), 505 to 515 ft (153.9 to 157.0 m).

DATUM.--Altitude of land-surface datum is 64 ft (19.5 m) National Geodetic Vertical Datum of 1929. Measuring point: 1.25 ft (0.4 m) above land-surface datum.

REMARKS.--Records furnished by the Virginia State Water Control Board as observation well 69.

PERIOD OF RECORD.--1972, 1974, 1975, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 109.95 ft (33.51 m) below land-surface datum, Nov. 29, 1972; lowest measured, 123.48 ft (37.64 m) below land-surface datum, Feb. 5, 1982.



TOWN OF MURFREESBORO, NC

362636077062301. Local number, HF80.

LOCATION.--Lat 36°26'36", long 77°06'23", Hydrologic Unit 03010204, under water tank in town of Murfreesboro, North Carolina. Owner: Town of Murfreesboro, North Carolina.

AQUIFER.--Sand and gravel of undifferentiated Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal well, diameter 20 in (500 mm) to 330 ft (100.6 m), diameter 8 in (200 mm) from 330 to 630 ft (100.6 to 192.0 m), depth 630 ft (192.0 m), screened 380 to 410 ft (115.8 to 125.0 m), 475 to 495 ft (144.8 to 150.9 m), 514 to 524 ft (156.7 to 159.7 m), 575 to 595 ft (175.3 to 181.4 m), 615 to 625 ft (187.5 to 190.5 m).

DATUM.--Altitude of land-surface datum is 100.0 ft (30.48 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--1970, 1972-75, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 111.58 ft (34.01 m) below land-surface datum, Feb. 9, 1970; lowest measured, 146.18 ft (44.56 m) below land-surface datum, Jan. 24, 1978.

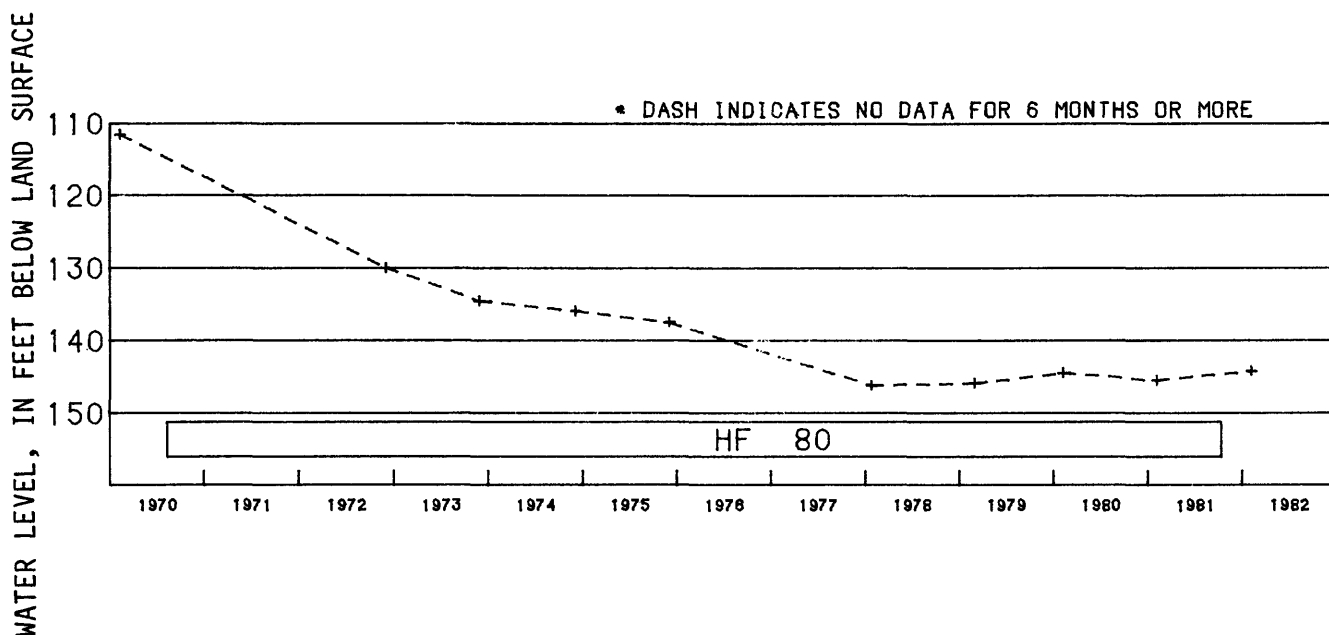


Table 1.--Method and frequency of water level measurements in observation wells as of 1982

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
<u>Accomack</u> 67W 2	100-219			X		
<u>Albemarle</u> 43N 1	101-028 SOW 28			X		
<u>Appomattox</u> 40G 1 41H 2	105-002 SOW 12 *			.	X	X
<u>Arlington</u> 53V 1 54V 3	106-001 106-002				X X X	
<u>Buckingham</u> 41H 1 41H 3 41H 4	* * *				X X X X X X	
<u>Caroline</u> 52N 5 52N 6	116-13 116-021					X X X
<u>Charles City</u> 54G 11 54G 13	118-049 SOW 66 118-52 SOW 67					X X X

* State Water Control Board Number not assigned.

Table 1.--Continued

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
<u>City of Chesapeake</u> 60B 3 60B 4	234-134 SOW 90A 234-135 SOW 90B					X X
<u>City of Colonial Heights</u> 51G 1	205-1			X		
<u>Essex</u> 55L 1	128-041					X
<u>Fairfax</u> 52U 4 52V 2	129-160 *	X			X	
<u>City of Franklin</u> 55B 22	187-13			X		
<u>Gloucester</u> 58F 14	136-069					X
<u>Halifax</u> 39C 1	* SOW 11	X				
<u>City of Hopewell</u> 52G 1	213-2		X			

* State Water Control Board Number not assigned.

Table 1.--Continued

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
<u>Isle of Wight</u>						
55B 16	146-184	X				X
55B 25	146-190					
55B 35	146-186		X			
55B 43	146-157					X
55B 45	146-033 SOW 33	X				
55B 54	146-121	X				
56B 2	146-181					X
56B 5	146-206					X
56C 1	146-152					X
57C 8	146-189					X
57C 11	146-188					X
57D 1	146-005 SOW 5					X
<u>James City</u>						
56F 1	147-018 SOW 18			X		
<u>King George</u>						
54R 2	148-50					X
<u>King and Queen</u>						
54L 5	149-025					
56J 11	149-004 SOW 73				X	
57J 3	149-005 SOW 74				X	

Table 1.--Continued

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
<u>King William</u> 56J 1 56J 18	150-019 150-010					X X
<u>Lancaster</u> 59K 1 59K 9 59L 3	151-015 SOW 15 151-029 * 151-029					X X X
<u>Loudoun</u> 49Y 1 50W 4C	153-022 SOW 22 153-135				X X	
<u>Louisa</u> 45N 1 45N 4 45N 5 45N 6 46N 1	154-047 154-31 154-40 SOW 61 154-41 SOW 62 154-038 SOW 56	X		X X X X		
<u>Mathews</u> 59H 1	157-18					X
<u>Middlesex</u> 58K 1 58K 7 59J 3	159-031 SOW 31 159-006 159-066					X X X

* State Water Control Board Number not assigned.

Table 1.---Continued

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
<u>Montgomery</u> 27F 2	160-019 SOW 19	X				
<u>Nelson</u> 39K 1	162-6 SOW 6				X	
<u>City of Newport News</u> 58F 1	216-002 SOW 2					X
<u>New Kent</u> 55H 1	163-017 SOW 17				X	
<u>City of Norfolk</u> 61C 1 61C 2 61C 3	217-006 217-003 217-004				X	X X
<u>Orange</u> 45P 1	168-30 SOW 30	X				
<u>Prince William</u> 49U 1 49V 1 51S 7 52S 4 52S 5	175-024 175-025 175-848 175-008 175-009	X			X X X X	

Table 1.--Continued

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
Pulaski 25E 2	177-024 SOW 59				X	
Richmond 56M 6 56M 7	179-021 *					X X
Roanoke 31G 1	180-170 SOW 8				X	
Rockbridge 35K 1	181-063 SOW 63				X	
Rockingham 41Q 1	182-141	X				
Southampton 51B 1 51B 3 52A 1 53B 1 53B 4	187-074 187-143 187-102 187-023 187-027	X				X X X X X
54A 1 54B 1 54B 5 54B 12 54B 18	187-061 187-002 187-025 187-086 187-085					X X X X X

* State Water Control Board Number not assigned.

Table 1.--Continued

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
<u>Southampton (cont.)</u>						
54B 20	187-057					X
54B 24	187-53					X
54B 25	187-066					X
54B 26	187-103					X
54C 1	187-148				X	
54C 2	191-012					X
54C 4	187-109					X
55A 1	187-70					X
55A 3	187-146					X
55B 40	187-120					X
55B 49	187-049					X
55B 51	187-105					X
55C 1	187-115					X
55C 3	187-59					X
55C 6	187-067					X
55C 10	187-077					X
55D 5	187-019					X
<u>City of Suffolk</u>						
56A 1	161-047					X
56A 9	161-308					X
56A 10	161-349					X
56A 11	161-350					X
56A 12	161-356					X
56A 13	* SOW 88B					X

* State Water Control Board Number not assigned.

Table 1.--Continued

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
<u>City of Suffolk (cont.)</u>						
56A 14	*					X
56B 4	161-263					X
56B 7	161-274					X
57A 1	161-275					X
57B 1	161-139					X
57B 8	*				X	
57B 9	*				X	
57C 12	*					X
58A 1	161-036					X
58A 2	161-042					X
58A 23	*				X	
58B 1	161-131					X
58B 13	*	X				
58B 14	*			X		
58B 15	*			X		
58B 48	*					
58B114	*			X		
58B235				X		
58C 2	161-266				X	X
58C 2	161-248					X
58C 8	161-246					
<u>Surry</u>						
56E 1	190-54	X				
56F 2	190-048					X
57F 1	190-049					X
	SOW 39					
	SOW 40					

* State Water Control Board Number not assigned.

Table 1.--Continued

U.S. Geological Survey Local No.	State Water Control Board No.	Continuous Recorder	Weekly	Monthly	Bimonthly	Annual
<u>Surry (cont.)</u>	190-001					X
57F 6	190-070					X
57F 16	SOW 87A					X
57F 24	SOW 87B					
<u>Sussex</u>	191-037					X
53D 2	191-027					X
53D 3	SOW 48					X
53E 5	SOW 45					
<u>City of Va Beach</u>	228-120					X
62C 4						
<u>Westmoreland</u>	196-002	X				
55P 5	196-057				X	
55P 9	196-065					X
55Q 2	196-016				X	
56N 1	196-064					X
56N 6						
<u>York</u>	199-003					X
57G 2	SOW 3					X
57G 17	199-014					X
57G 19	SOW 68					X
	199-018					
<u>Murfresboro, NC</u>	*					X
HF 80						

* State Water Control Board Number not assigned.