

GROUND-WATER AND PRECIPITATION DATA FOR SOUTH CAROLINA, 1990

By Paul A. Conrads, Kathy H. Jones, and Whitney J. Stringfield

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi ²)	2.590	square kilometers
gallon per minute (gal/min)	0.06309	liter per second
million gallons per day (Mgal/d)	0.04381	cubic meter per second

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

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ABSTRACT

Continuous water-level data collected from 53 wells in South Carolina during 1990 provide the basic data for this report. Hydrographs are presented for selected wells to illustrate the effects that changes in ground-water recharge and artificial ground-water discharge have had on the ground-water reservoirs in the State. Daily mean water levels are listed in tables. Monthly mean water levels for 1990 and for the entire period of record at each monitoring well are depicted in hydrographs. Also included are precipitation records from ten National Weather Service stations in South Carolina.

INTRODUCTION

Monitoring water levels is essential to the management of a ground-water reservoir or aquifer. Fluctuations and long-term trends in ground-water levels occur as a result of natural or artificial changes in recharge to and discharge from the aquifer. The amount of recharge to an aquifer varies in response to precipitation, evapotranspiration from the unsaturated zone, and surface-water infiltration. Discharge occurs as natural flow from an aquifer to streams, springs, lakes, and the ocean, as evapotranspiration from plants rooted in the saturated zone, and as withdrawals from wells.

This report, prepared by the U.S. Geological Survey (USGS) in cooperation with the South Carolina Department of Natural Resources-Water Resources Division, presents ground-water level data for major aquifers in South Carolina. Hydrographs from 53 wells were selected to illustrate the effects that changes in ground-water recharge and discharge have had on the water levels of various aquifers in the State. Hydrographs show monthly mean water levels for 1990 and for the entire period of record at each site. Precipitation graphs selected from ten weather stations in South Carolina show annual and cumulative trends. Ground-water level fluctuations due to precipitation are evident in many of the selected wells.

MAJOR AQUIFERS

Different geologic features and geomorphic landforms of the three distinct physiographic provinces in South Carolina cause ground-water conditions in one part of the State to differ from those in another (fig. 1). The most productive aquifers (highest yields) in South Carolina are in the Coastal Plain Province, which includes the southeastern two-thirds of the State. The Coastal Plain is underlain by relatively continuous layers of sand, clay, and some limestone that dip and thicken to the southeast. In the Coastal Plain, aquifers are generally confined, except for the shallow surficial aquifer and for the outcrop areas of the major aquifers near the Fall Line. Major aquifers of the Coastal Plain in South Carolina, from youngest to oldest, include the predominantly limestone Floridan aquifer and its clastic equivalent, the Tertiary sand aquifer, the Black Creek aquifer, the Middendorf aquifer, and the Cape Fear aquifer. The Piedmont and Blue Ridge Provinces in the northwestern one-third of South Carolina are underlain by massive igneous and metamorphic rocks that form aquifers of low to unknown permeability. Names used to designate the aquifers have been adopted from common usage and are synonymous for the most part with the names of geologic formations that contain the principal water-bearing materials (fig. 2). The major aquifers are described in figure 2.

Coastal Plain Aquifers

The sediments of the Coastal Plain Province thicken from the Fall Line toward the coast and consist of layers of sand, silt, clay, and some limestones of Late Cretaceous to Holocene age. These sediments are deposited on pre-Cretaceous, consolidated rocks. The province can be divided into aquifers and confining units on the basis of relative permeabilities, areal extent, and lithologic continuity of the sediments. The aquifers consist of sand, silty sand, or highly permeable limestone. Water generally moves laterally within each of the aquifers from areas of high head (water level) to areas of low head. The confining units consist of clay, silt, or low-permeability limestone that inhibit but do not prevent the vertical movement of ground water between aquifers. The more permeable aquifers are able to store and transmit large quantities of water and are important sources of water for municipal, industrial, and agricultural uses.

A major source of ground-water recharge to the Coastal Plain aquifers is rainfall in areas where the aquifers crop out at land surface or subcrop beneath a thin veneer of permeable surface material. Rainfall percolates vertically downward through the unsaturated zone to the aquifer, and then flows laterally through the aquifer down the hydraulic gradient, generally toward the southeast. Most of the natural discharge from the aquifers occurs in the upper Coastal Plain into streams and rivers incised into the aquifer. In the lower Coastal Plain, natural discharge from aquifers is upward to the surficial sediments, streams, or the ocean.

Surficial Aquifer

The surficial aquifer is a water-table aquifer and is present throughout the Coastal Plain. Water-table conditions also occur in the Tertiary sand, Black Creek, and Middendorf aquifers where they crop out in the upper Coastal Plain. In general, the surficial aquifer consists of deposits that range in age from Late Cretaceous to Holocene and are less than 100 ft thick. It contains water under unconfined conditions, although semiconfined conditions may be present locally. This aquifer is used primarily for domestic and other low-yield supplies, but, in some areas, such as North Myrtle Beach where beds of coquina are present, yields can approach hundreds of gallons per minute (Speiran and Lichtler, 1986) (table 1).

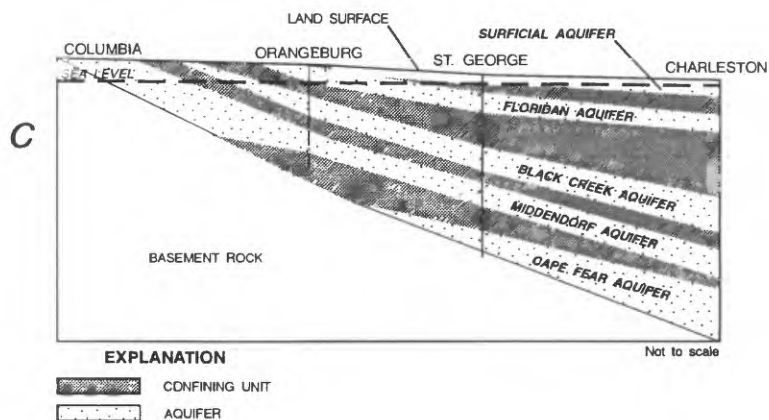
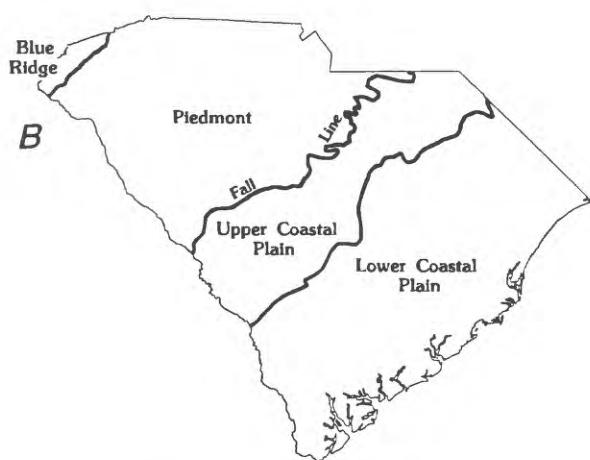
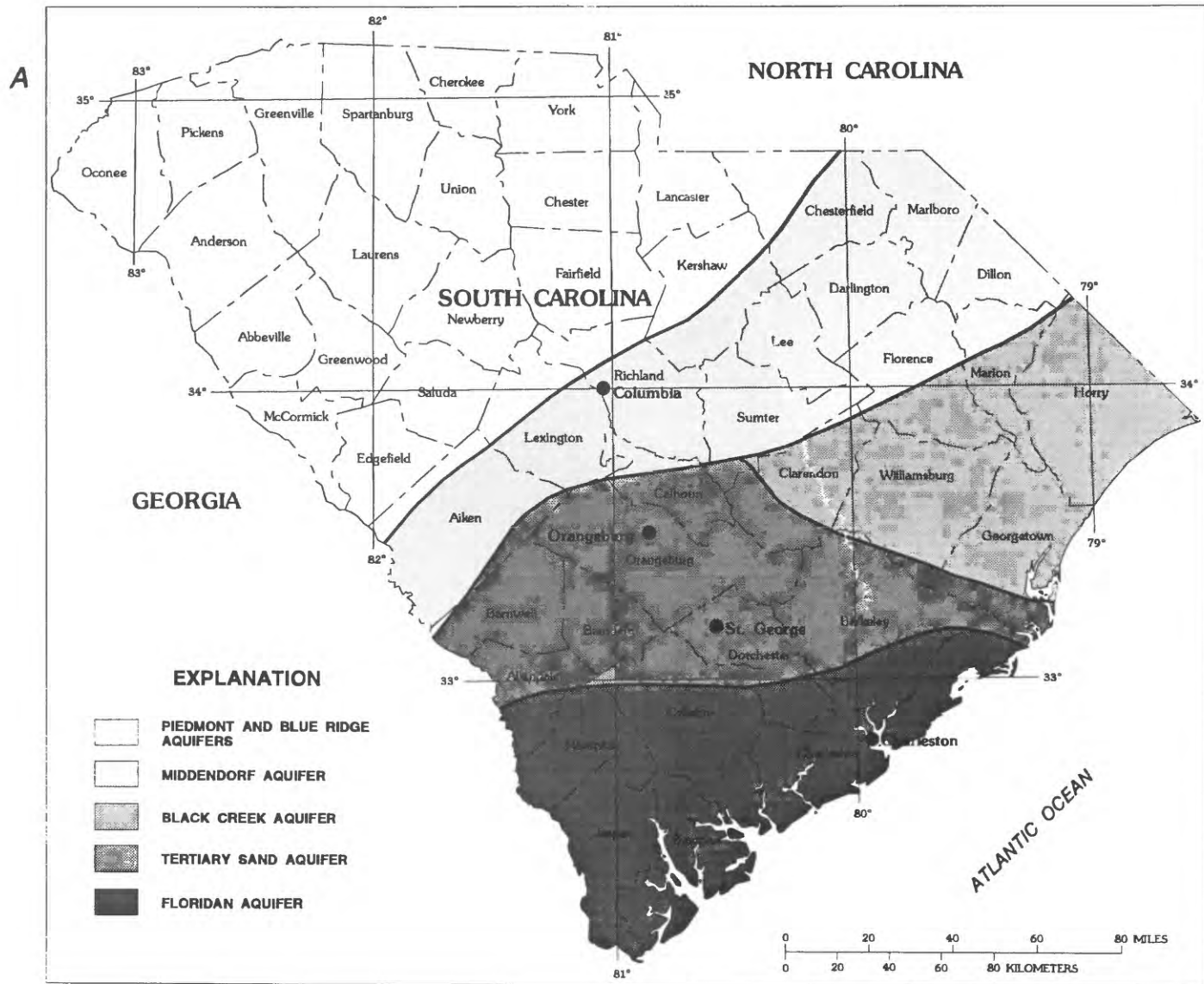


Figure 1.--(A) Principal aquifers in South Carolina, (B) physiographic provinces, and (C) generalized geohydrologic section.

Aquifer	System	Geologic formations ¹	Description
Surficial	Quaternary	Coastal terrace deposits	Sand and clay, reddish-brown, orange and white.
Floridan aquifer system ² (downdip)	Tertiary	Cooper group (lower part)	Limestone and marl, gray to white, silty to sandy, phosphatic.
		Ocala Limestone	Limestone, white to cream, fossiliferous, glauconitic.
		Santee Limestone	Limestone, white to creamy yellow, fossiliferous, glauconitic; interbedded in part with gray to yellow sandstone.
Tertiary sand (updip)	Tertiary	Barnwell Formation	Sand, red to brown, fine- to coarse-grained, massive.
		McBean Formation	Sand, green to yellow, fine-grained, glauconitic; gray-green glauconitic marl.
		Congaree Formation	Sand and sandstone, yellowish-brown to green, fine- to coarse-grained, quartzose, glauconitic; dark green to gray clay.
		Black Mingo Formation (upper part)	Shale, gray, sandy; black sandy limestone may be carbonaceous and fossiliferous in places.
Black Creek	Cretaceous	Black Creek Formation	Sand, gray to white, quartzose, calcareous, micaceous, phosphatic, glauconitic; dark gray to black thinly laminated clay containing nodules of pyrite and marcasite and fragments of lignite.
Middendorf	Cretaceous	Middendorf Formation	Sand, light-gray, fine- to coarse-grained, micaceous, glauconitic, and in part calcareous; green, purple, and maroon clay; greenish-gray micaceous silty sandstone.
Cape Fear	Cretaceous	Cape Fear Formation	Clay, reddish-brown, gray and green; yellow to white fine- to coarse-grained sand with traces of mica.

¹ Geologic formations that are generally associated with a given aquifer. A given aquifer may not, however, consist of the same formations in all areas; and, locally, an aquifer may consist of parts of additional formations not listed.

² Carbonate equivalent of the Tertiary sand aquifer.

Figure 2.--Generalized geohydrologic correlation of Coastal Plain aquifers (from Siple, 1959).

Table 1.--Aquifer and well characteristics in South Carolina

[ft, feet; gal/min, gallons per minute]

Aquifer name and description	Well characteristics			Remarks
	Depth (ft)	Yield (gal/min)		
	Common range	Common range	May exceed	
Coastal Plain aquifers:				
Shallow aquifer: Sand, gravel, and coquina. Unconfined. (Not shown in fig. 1)	20-100	5-10	200	Scattered, mostly domestic use. Variable water quality with local problems.
Floridan aquifer system: Fossiliferous limestone. Confined to unconfined.	80-250	100-300	2,000	Principal aquifer in southern South Carolina. Saltwater encroachment a potential problem.
Tertiary sand aquifer: Fine to coarse quartzose sand. Confined to unconfined.	100-300	50-200	700	Interfingers with limestone in southern Barnwell County.
Black Creek aquifer: Thinly laminated sand and clay lenses. Confined to unconfined.	200-700	50-400	900	Principal aquifer in eastern South Carolina.
Middendorf aquifer: White and gray sand and gravel. Confined to unconfined.	200-2,000	200-700	2,000	Present under entire Coastal Plain. Used most intensively in the upper Coastal Plain.
Cape Fear aquifer: Yellow to white, fine- to coarse-grained sand with traces of mica.	600-3,000	200-700	700	Does not crop out in South Carolina. Relatively few wells. Water high in dissolved solids.
Piedmont aquifer: Fractured igneous and metamorphic rocks and saprolite. Confined to unconfined.	50-300	10-30	300	Small yields and areal variability limit large-scale use. Water quality variable in dissolved solids and major constituents.

Water-level fluctuations, as observed in wells screened in these aquifers, are caused mainly by changes in precipitation. Water levels generally rise rapidly during wet periods and decline slowly during dry periods. During prolonged droughts, well failures may occur, particularly on steep slopes when water levels decline below pump intakes in dug, bored, or shallow drilled wells. Generally, the well yields are restored with the return of precipitation.

Floridan Aquifer

The Floridan aquifer is generally known in South Carolina as the Tertiary limestone aquifer and in Beaufort and Jasper Counties as the principal artesian aquifer. The principal water-bearing units are the Santee and Ocala Formations of Eocene age. These formations consist of creamy-yellow to white, fossiliferous limestone. Typically, the upper part of each unit, particularly the Ocala limestone, contains extensive loosely cemented shell deposits. These limestones are the facies equivalents of the Eocene sands of the Tertiary sand aquifer. The Floridan aquifer extends laterally over a triangular-shaped section of southern South Carolina.

In aquifer outcrop areas, water levels in wells tapping the Floridan aquifer fluctuate seasonally in response to ground-water recharge from precipitation. Where the aquifer is deeply buried, (greater than 100 ft) ground-water levels respond primarily to withdrawals, and the fluctuations caused by recharge are less pronounced. Near the coast, ground-water levels also respond to tidal changes in nearby saltwater bodies.

Tertiary Sand Aquifer

The Tertiary sand aquifer can be divided into two units. The upper unit is the updip sand facies equivalent of the downdip limestone facies of the Floridan aquifer, and extends laterally from near the Fall Line to the sand-limestone facies interface with the Floridan aquifer. Sediments composing the upper unit include the Barnwell, McBean, and Congaree Formations. They range in age from Early to Late Eocene and consist of a continuous red, gray, greenish-yellow, fine to coarse-grained sand, with layers and lenses of gray to green clay and greenish marl (Siple, 1959). Marl is particularly notable in the McBean Formation.

The lower unit of the Tertiary sand aquifer extends laterally to the south from its outcrop in the north-central part of the Coastal Plain. This unit underlies part of the upper Tertiary sand aquifer and all of the Floridan aquifer. The lower unit of the aquifer consists of sediments of early Eocene and Paleocene age, including the more permeable upper Black Mingo Formation.

Sediments from these Tertiary sand formations are grouped together and called the Tertiary sand aquifer, because, on a regional basis, they act as a single aquifer. The Tertiary sand aquifer and the Floridan aquifer can be treated as a single hydrologic unit in South Carolina, because there are no significant water-level differences between them and no evidence of an intervening confining unit (Aucott and Speiran, 1985b).

Black Creek Aquifer

The Black Creek aquifer, of Late Cretaceous age, ranges in thickness from a few feet in updip outcrop areas to about 800 ft in coastal areas. This aquifer consists primarily of the permeable sediments of the Black Creek Formation but may contain sediments of overlying formations or the underlying Middendorf Formation. The Black Creek is the uppermost regional aquifer and consists of thinly laminated (and interbedded) sand and clay lenses. The updip limit of the Black Creek aquifer is located in the upper Coastal Plain and is generally parallel to the Fall Line. The aquifer crops out in the eastern part of the Coastal Plain, and is present in the subsurface throughout most of the Coastal Plain of South Carolina.

Middendorf Aquifer

The Middendorf aquifer, of Late Cretaceous age, consists mostly of sediments of the Middendorf Formation (and their stratigraphic equivalents) but may include sediments of the overlying Black Creek Formation or the underlying Cape Fear Formation. This unit also has been referred to as the Tuscaloosa Formation (Cooke, 1936).

In outcrop areas and beneath the upper Coastal Plain, sediments of the Middendorf aquifer are primarily light gray, white to buff sand frequently interfingering with lenses of white, pink, or purple clay. In the lower Coastal Plain, the sediments of the Middendorf aquifer are lithologically similar to those of the Black Creek aquifer. The Middendorf aquifer exists throughout the Coastal Plain of South Carolina and crops out along most of the length of the Fall Line. The aquifer generally thickens from the Fall Line toward the coast.

Cape Fear Aquifer

The Cape Fear aquifer is the basal aquifer in the Coastal Plain aquifer system of South Carolina. In most areas it consists of sand, silt, and gravel separated by relatively thick silt and clay layers. This unit has not been well defined in the Coastal Plain of South Carolina, but it probably occurs only in the lower Coastal Plain and in the eastern part of the upper Coastal Plain. The Cape Fear aquifer is not known to crop out in South Carolina. The extent of the Cape Fear aquifer is not well defined because it is rarely penetrated by wells, it is deeper and generally is less productive than the overlying Middendorf aquifer, and the aquifer contains high concentrations of dissolved solids in the lower Coastal Plain.

Piedmont and Blue Ridge Aquifers

The igneous and metamorphic rocks in the Piedmont and Blue Ridge Provinces have little primary porosity or permeability, and individual aquifers are not areally extensive. Groundwater storage and movement occurs in unconsolidated material (alluvium and saprolite) overlying the crystalline rock, and in joints, fractures, and other types of secondary porosity within the rock. The largest yields are from wells constructed in the alluvium and saprolite overlying the unweathered bedrock. The quality and quantity of water generally is suitable for domestic uses.

Ground-water levels in the crystalline rock aquifers are affected mainly by precipitation and evapotranspiration. Ground-water levels rise rapidly with the onset of late-winter rains and reduced evapotranspiration, and generally reach their highest levels for the year in March or April. Increases in evapotranspiration and decreases in rainfall during the spring and early summer cause ground-water levels to decline. Heavy precipitation in midsummer may cause small rises in ground-water levels, but the lack of recharge from light rainfall in the autumn results in water levels declining to the annual lows, usually in October or November.

PRECIPITATION DATA

Precipitation is one of the principle sources of ground-water recharge to aquifers. Monthly mean precipitation data furnished by the National Oceanic and Atmospheric Administration (NOAA) are shown for ten precipitation stations. Locations of the precipitation stations are shown in figure 3. Monthly precipitation was compared to the 30-year (1951-80) average for each station (figs. 4-13 at end of report). The upper graph on each figure shows the monthly departure from normal and cumulative departures from normal for 1990. The lower graph shows the cumulative departure from normal precipitation for 1981-90.

Precipitation was below normal over most of South Carolina for 1990. Only two of the stations, Clemson and Chester, had annual departures above normal; 1.40 in. and 0.63 in., respectively. The other eight stations had annual departures below normal ranging from -0.60 in. at Kingstree to -9.68 in. at Beaufort.

For 10 years (1981-90), the cumulative departure of precipitation was below normal at 9 of the 10 stations. Only the Aiken station showed a cumulative departure of precipitation above normal.

GROUND-WATER DATA

Water levels were continuously monitored in 53 wells located in the surficial, Floridan, Tertiary sand, Black Creek, Middendorf, Cape Fear, and Piedmont and Blue Ridge aquifers. The locations of monitoring wells are shown in figure 14 (at end of report). The locations of wells in each aquifer are listed in table 2 and shown in figures 15 to 21 (at end of report). For each well, daily mean water levels are listed in tables 3 to 55 (at end of report) and hydrographs are shown in figures 22 to 74 (at end of report). The monthly mean water levels for the period of record for each well are also shown in hydrograph form. In cases of missing data, monthly mean water levels were determined where there were five or fewer missing days. In this report, the annual hydrographs are plotted from daily mean values; therefore, a record low or record high water level that occurred on a particular day would have been higher or lower than that shown on the hydrograph. Similarly, the period-of-record hydrographs are plotted from monthly mean values; therefore, a record low or a record high instantaneous or daily value that occurred on a particular day would have been higher or lower than that shown on the hydrograph.

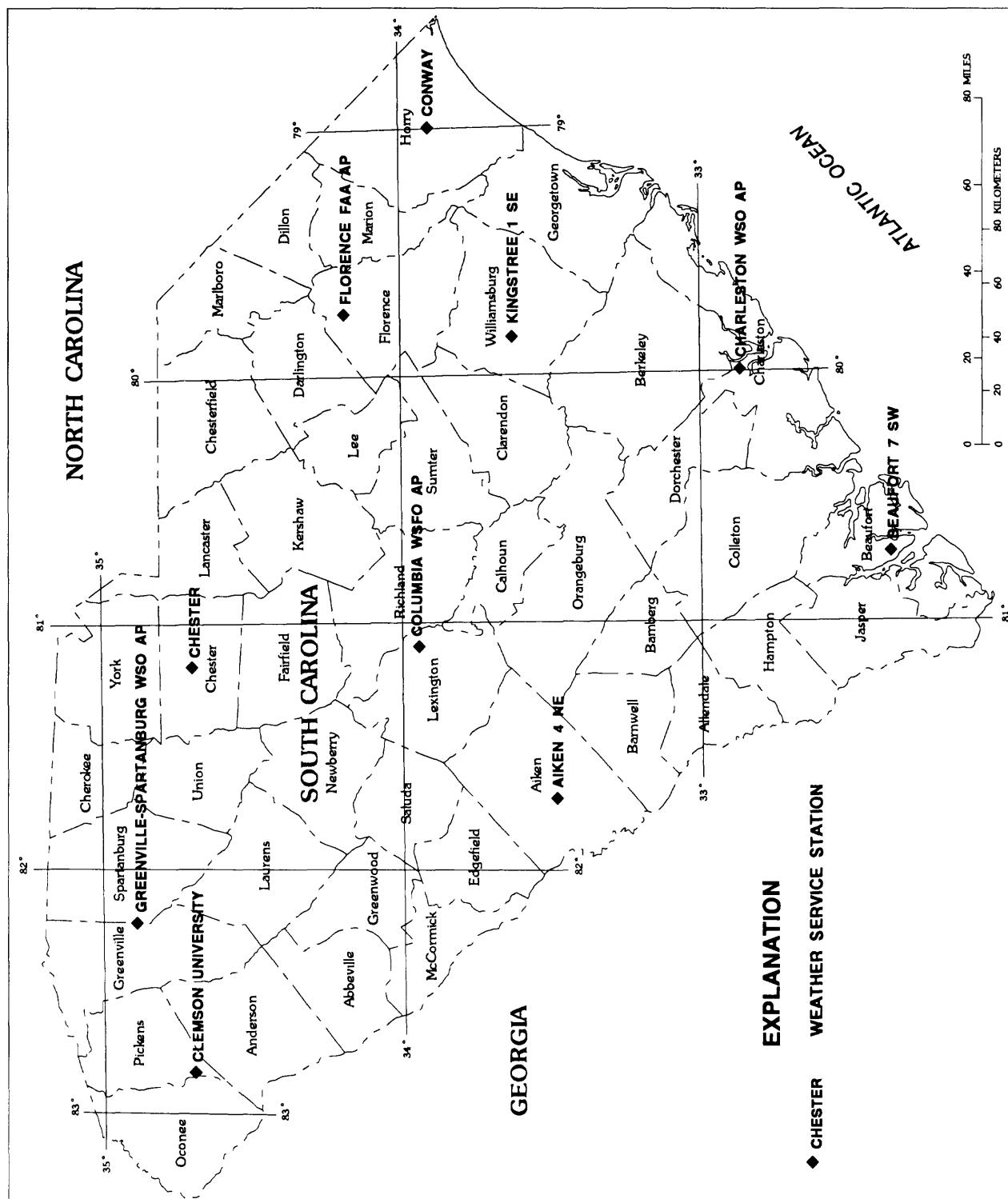


Figure 3.--Location of National Weather Service stations in South Carolina used in this report.

Table 2.--Observation wells listed by aquifers

Aquifer	County	Well number	Aquifer	County	Well number
Black Creek	Barnwell	BW-353	Middendorf	Florence	FLO-85
Black Creek	Barnwell	BW-355	Middendorf*	Florence	FLO-128
Black Creek	Florence	FLO-99	Middendorf*	Lee	LE-23
Black Creek	Georgetown	GEO-77	Middendorf	Marlboro	MLB-110
Black Creek	Georgetown	GEO-84	Middendorf*	Marlboro	MLB-112/134
Black Creek*	Horry	HO-269	Middendorf	Richland	RIC-63
Black Creek*	Horry	HO-307	Middendorf*	Sumter	SU-9
Black Creek*	Lee	LE-23			
Black Creek	Marion	MN-77	Piedmont	Greenville	GRV-709
Black Creek*	Sumter	SU-9	Piedmont	Richland	RIC-309
Black Creek	Williamsburg	WL-76	Piedmont	York	YK-147
Cape Fear*	Florence	FLO-128	Surficial	Beaufort	BFT-1811
Cape Fear*	Marlboro	MLB-112/134	Surficial	Beaufort	BFT-1812
Floridan	Beaufort	BFT-101	Surficial	Colleton	COL-305
Floridan	Beaufort	BFT-121	Surficial*	Horry	HO-269
Floridan	Beaufort	BFT-429	Surficial*	Horry	HO-307
Floridan	Beaufort	BFT-439			
Floridan	Beaufort	BFT-444	Tertiary sand	Barnwell	BW-350
Floridan	Beaufort	BFT-786	Tertiary sand	Barnwell	BW-351
Floridan	Beaufort	BFT-787	Tertiary sand	Barnwell	BW-354
Floridan	Beaufort	BFT-1809	Tertiary sand	Barnwell	BW-359
Floridan	Beaufort	BFT-1810	Tertiary sand	Barnwell	BW-360
Floridan	Beaufort	BFT-1814	Tertiary sand	Berkeley	BRK-91
Floridan	Charleston	CHN-44	*Wells screened in multiple aquifers.		
Floridan	Charleston	CHN-101			
Floridan	Colleton	COL-97			
Floridan	Hampton	HAM-82			
Floridan	Hampton	HAM-83			
Floridan	Orangeburg	ORG-95			
Middendorf	Aiken	AK-430			
Middendorf	Aiken	AK-817			
Middendorf	Aiken	AK-818			
Middendorf	Barnwell	BW-78			
Middendorf	Barnwell	BW-349			
Middendorf	Barnwell	BW-356			
Middendorf	Berkeley	BRK-431			
Middendorf	Charleston	CHN-14			
Middendorf	Charleston	CHN-64			

Water-level fluctuations due to precipitation are evident in many of the USGS network wells. Thirty-nine of the 53 wells in this report showed noticeable increases in water levels after October 10 - 11, 1990, when heavy rain from tropical storms Klaus and Marco fell statewide. For example, the Florence Airport reported rainfall of 4.35 in. and 3.47 in. on October 10 and 11, respectively, and the water level at well FLO-85 increased 2.91 ft from October 9 to October 12, 1990.

It is difficult to use any particular well as an indicator of the relative fluctuation of the water-level (or potentiometric surface) within an aquifer, because changes in water levels in a well may be attributed to a specific, localized phenomena rather than a generalized aquifer response. Many of the water levels in the Floridan aquifer were slightly lower in 1990 as compared to 1989. Water levels in the Black Creek aquifer also showed a general decline during the year. While the water levels in well GEO-77 decreased 5.25 ft (from 97.99 ft to 103.24 ft below land surface) and in HO-307 decreased 2.73 ft (from 59.50 ft to 62.23 ft below land surface), water levels in GEO-84 increased 5.81 ft (101.05 ft to 95.24 ft below land surface). Many of the wells in the Middendorf aquifer showed a slight decrease in water levels (less than 0.5 ft) over the year with the notable exception of BRK-431, which showed a decline of 6.16 ft (2.55 ft to 8.71 ft). Two of the wells in the Piedmont aquifer, GRV-709 and YK-147, showed a water-level rise of 0.98 ft and 1.16 ft, respectively, whereas RIC-309, also in the Piedmont aquifer, showed a decline of 4.09 ft.

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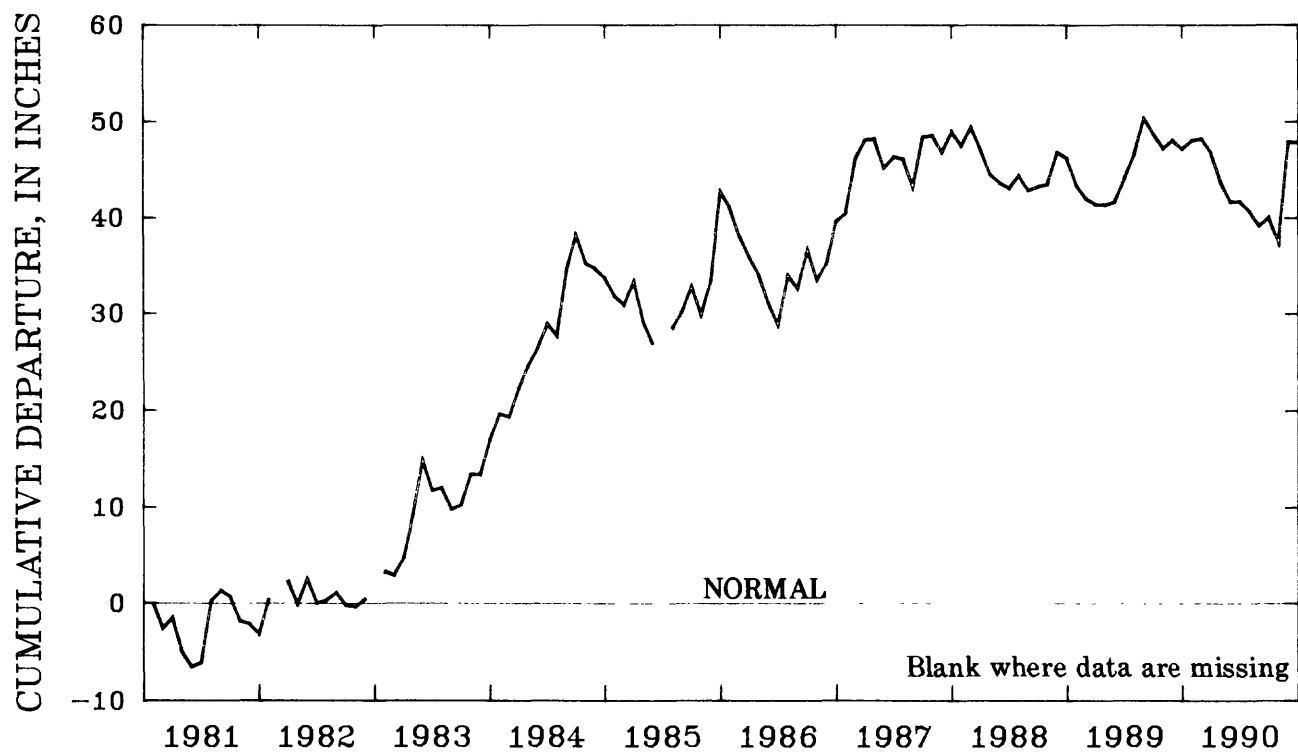
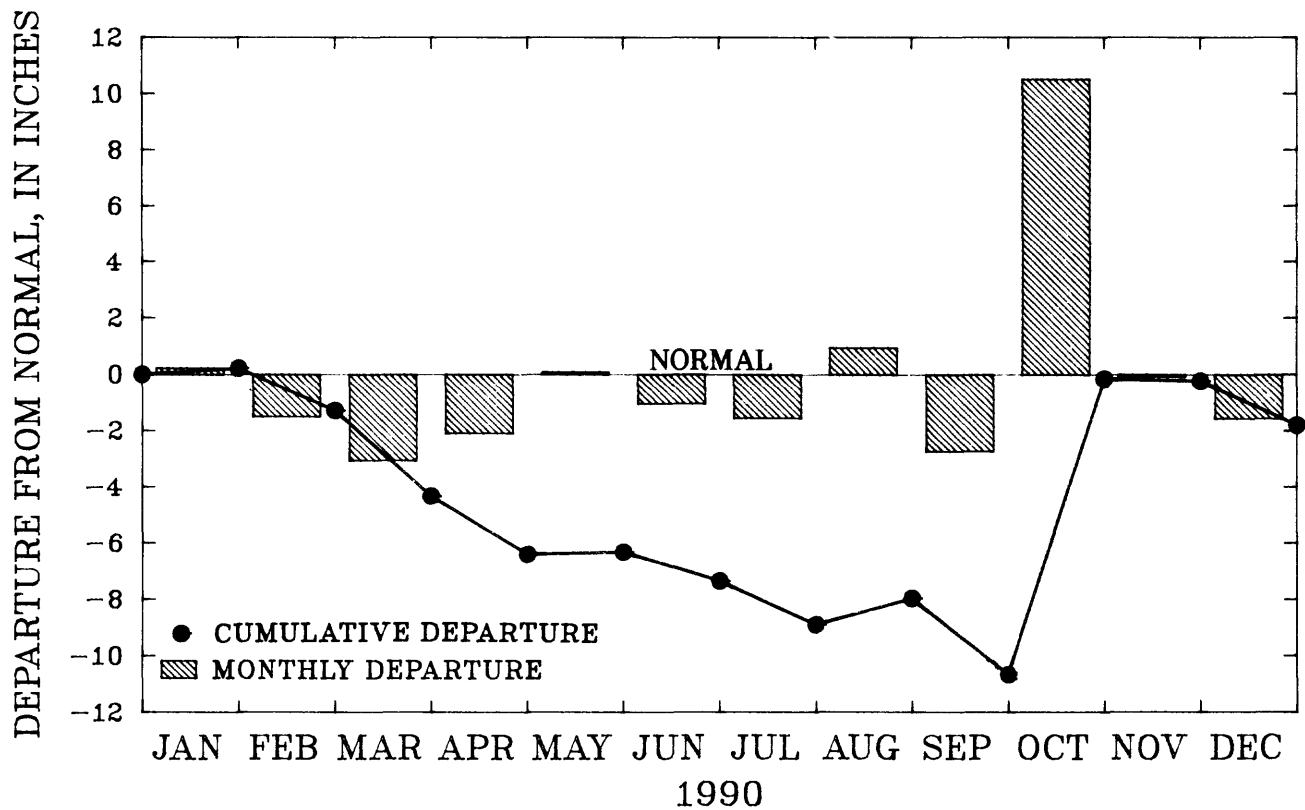


Figure 4.--Precipitation departure from normal for National Weather Service station Aiken 4 NE.

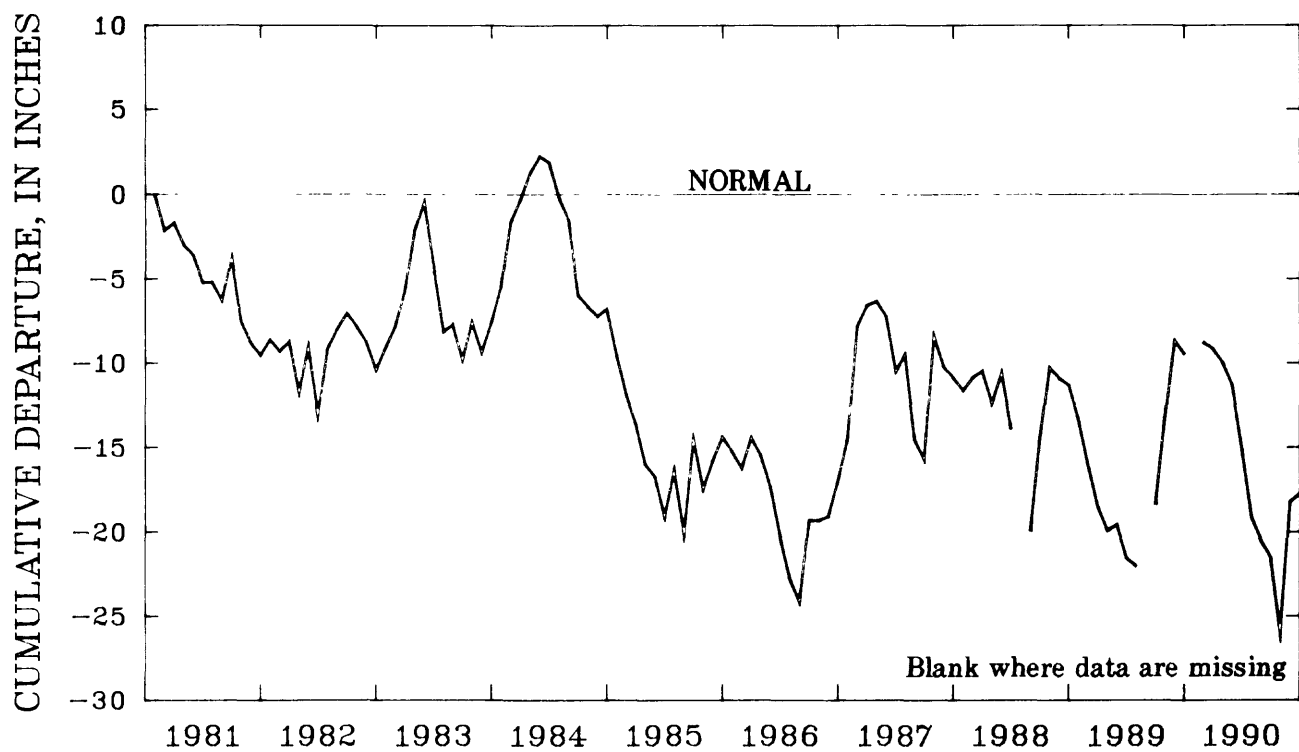
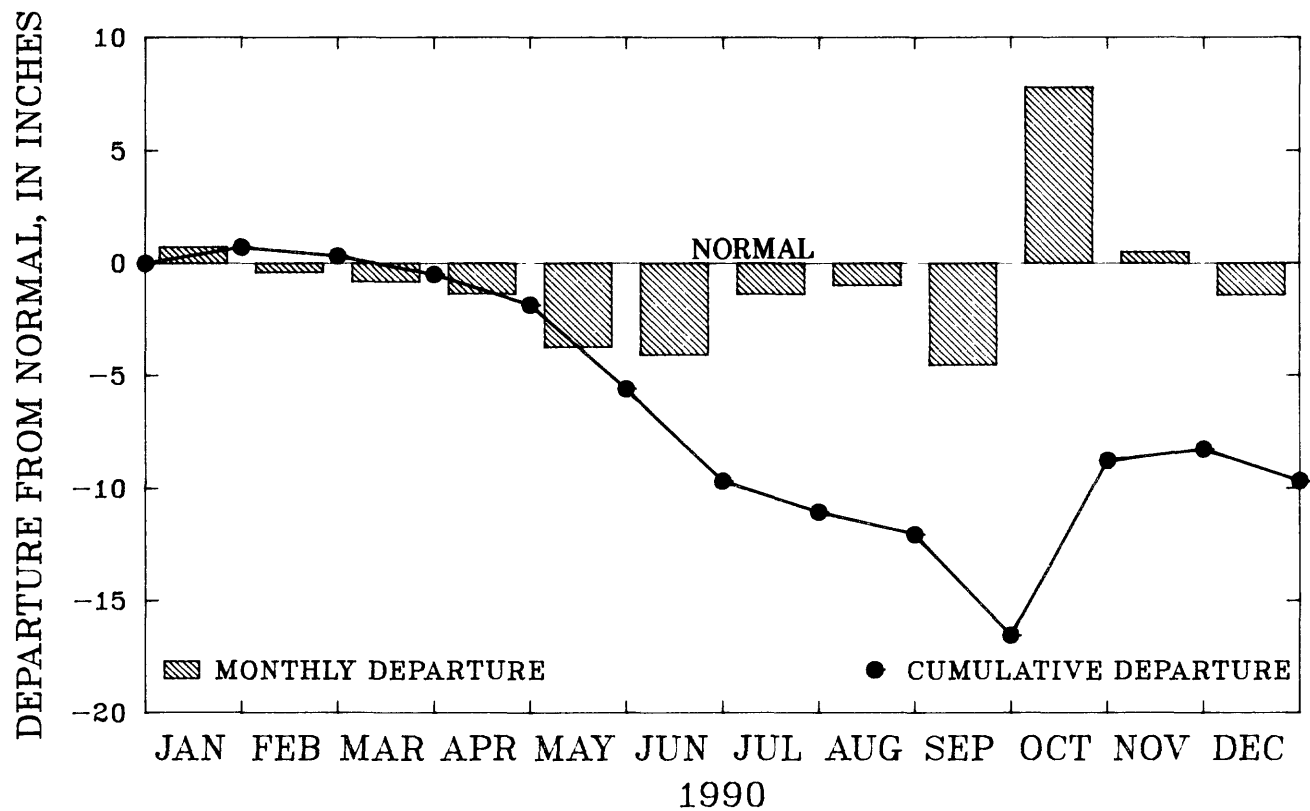


Figure 5.--Precipitation departure from normal for National Weather Service station Beaufort 7 SW.

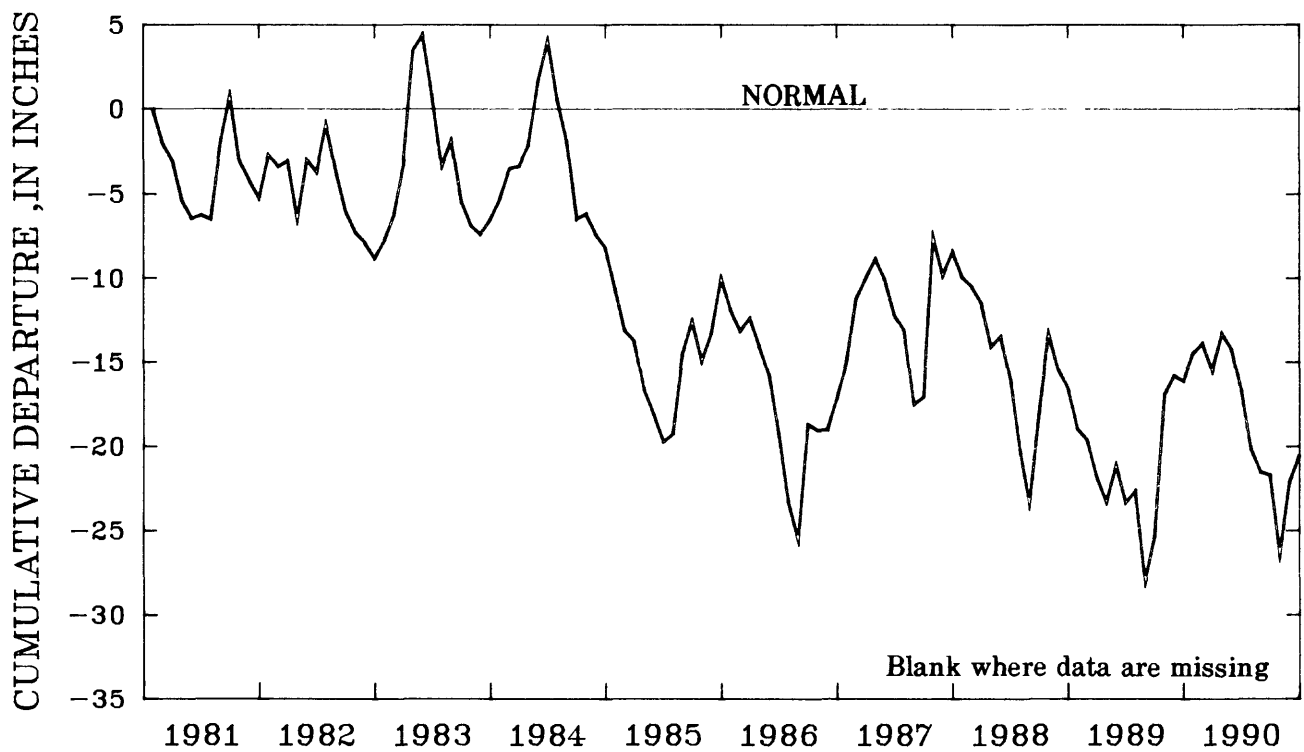
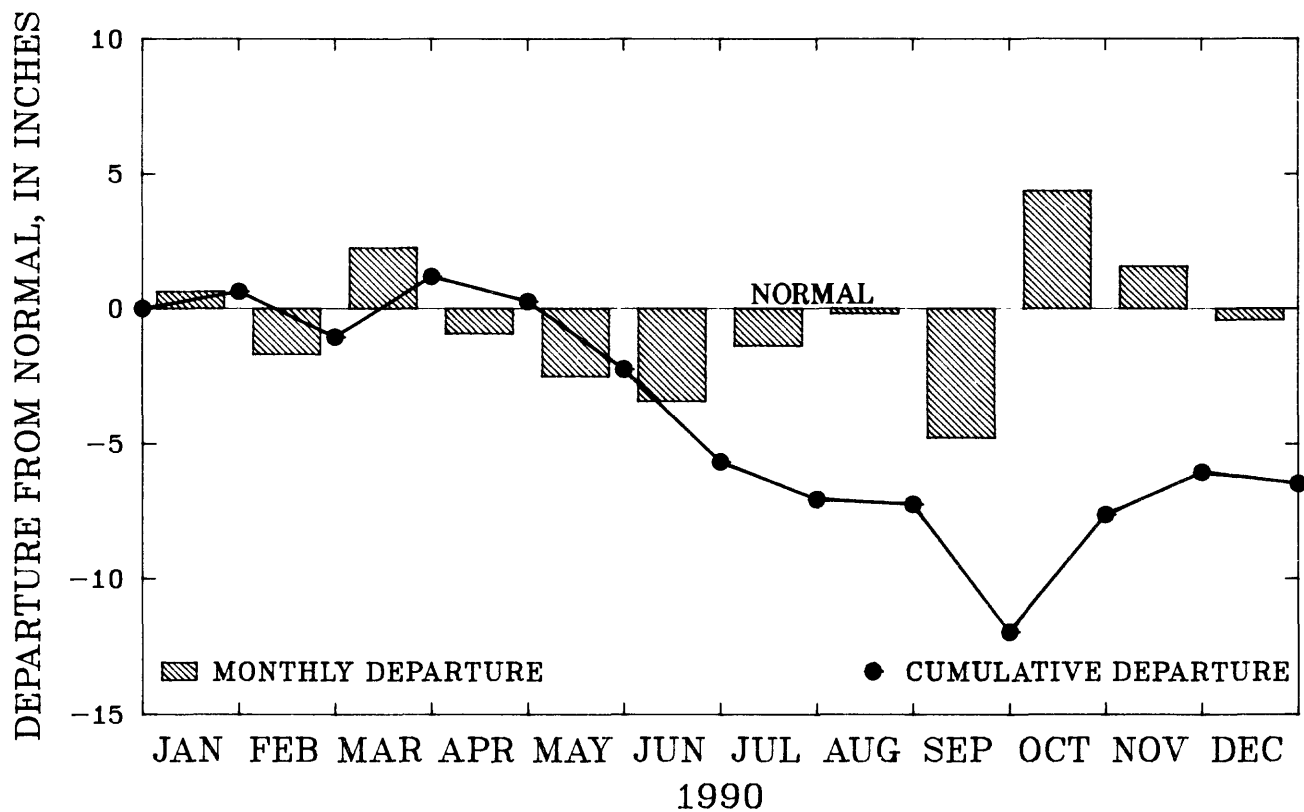


Figure 6.—Precipitation departure from normal for National Weather Service station Charleston WSO AP.

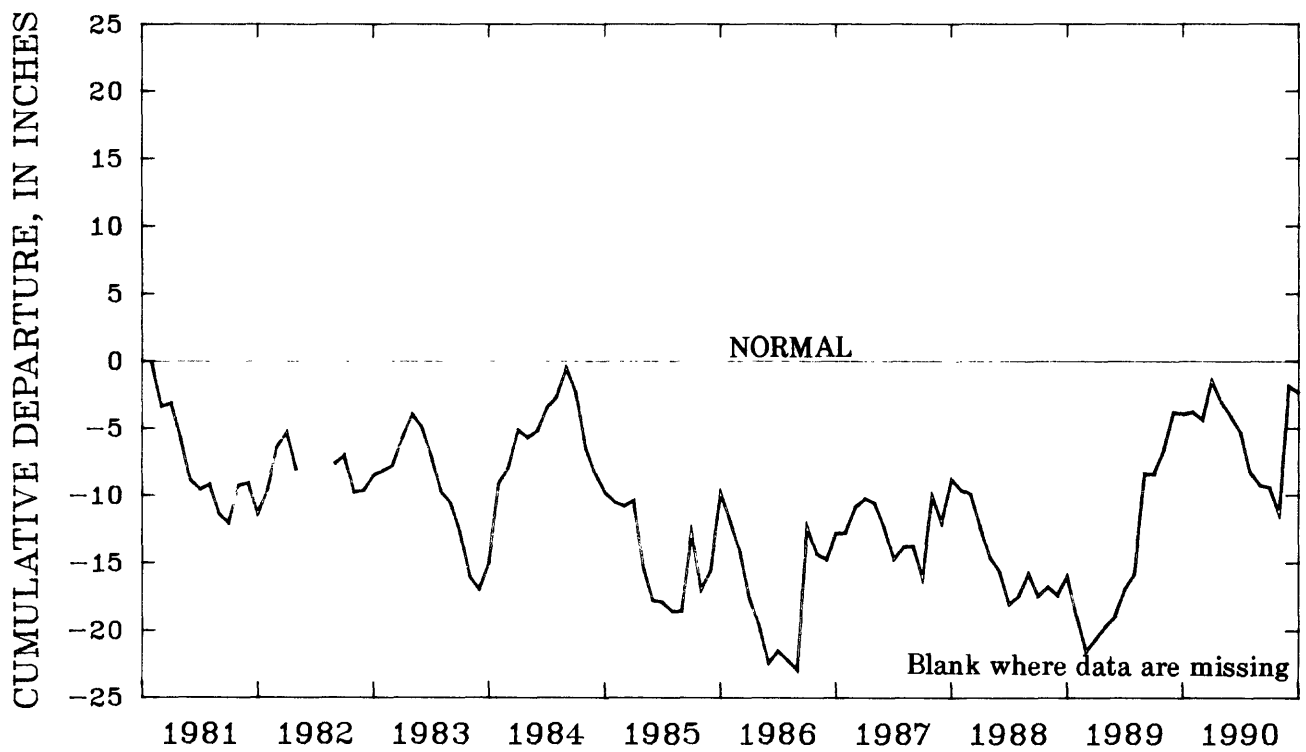
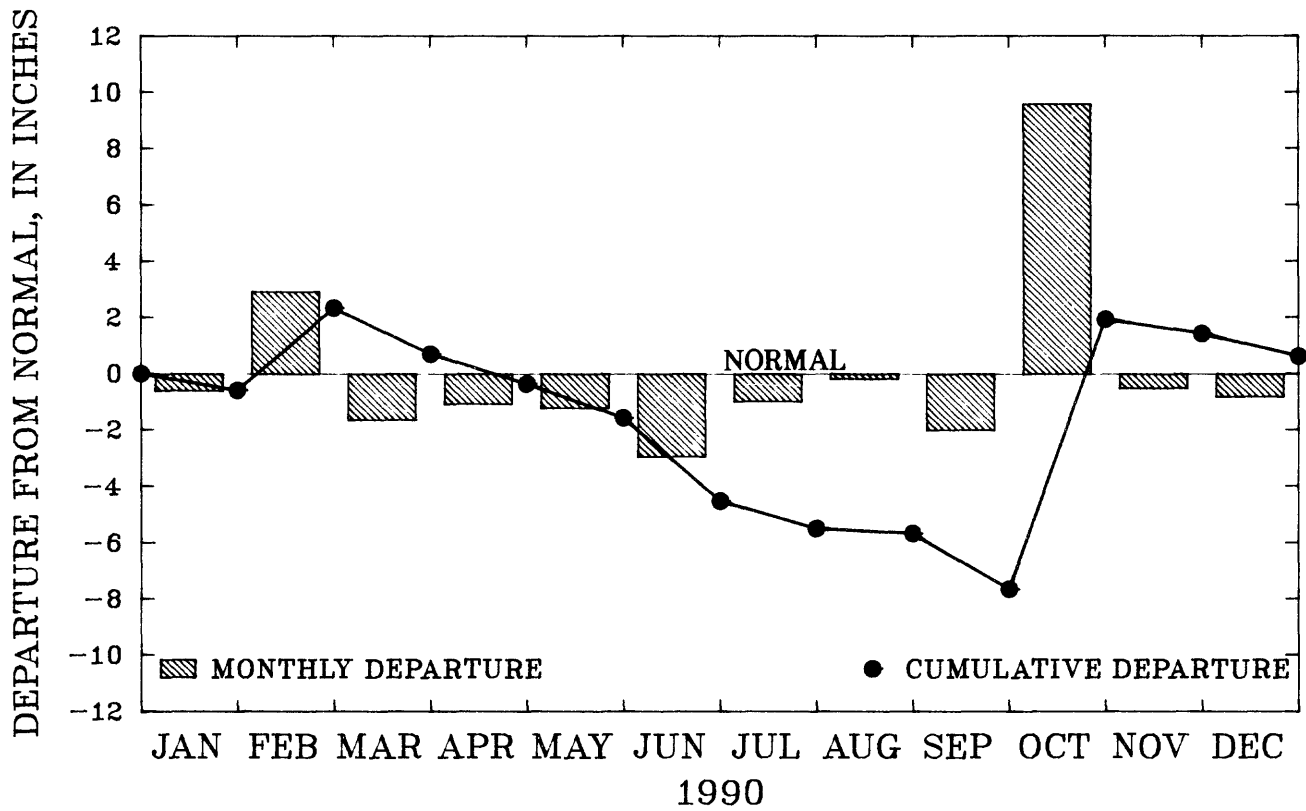


Figure 7.--Precipitation departure from normal for National Weather Service station Chester 1 NW.

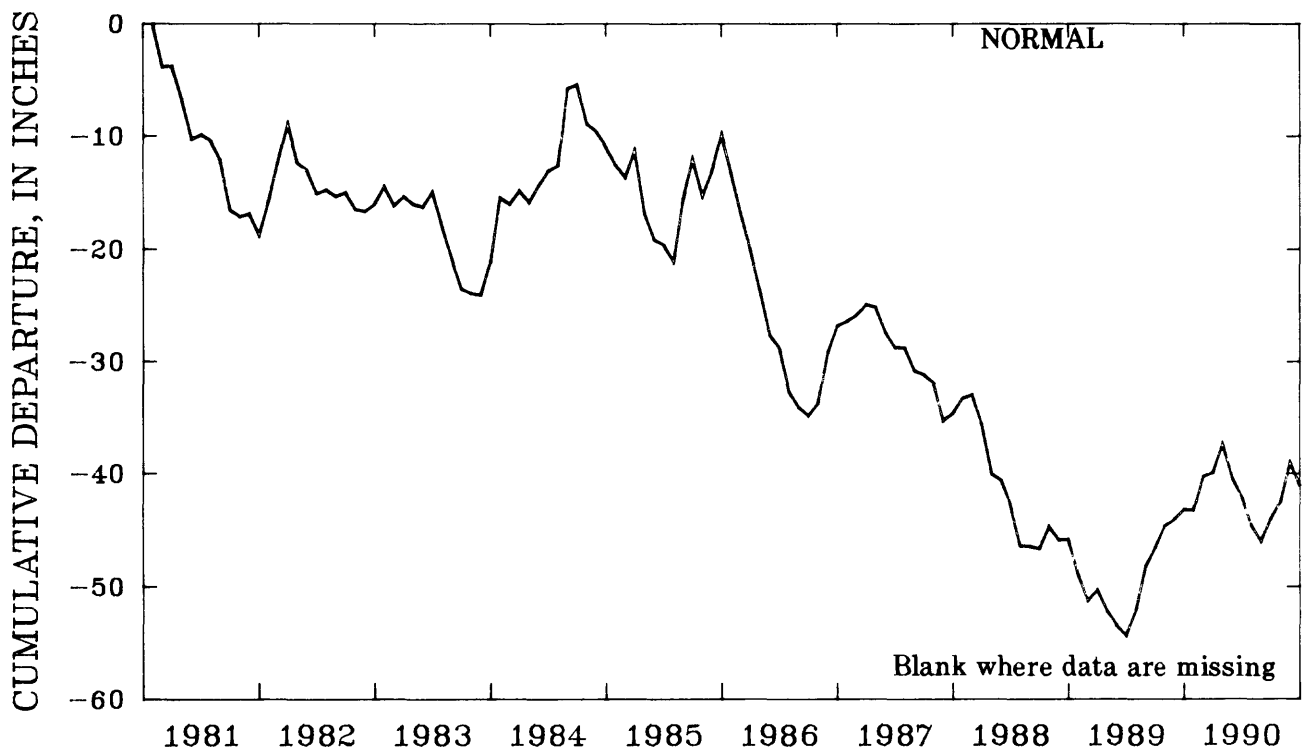
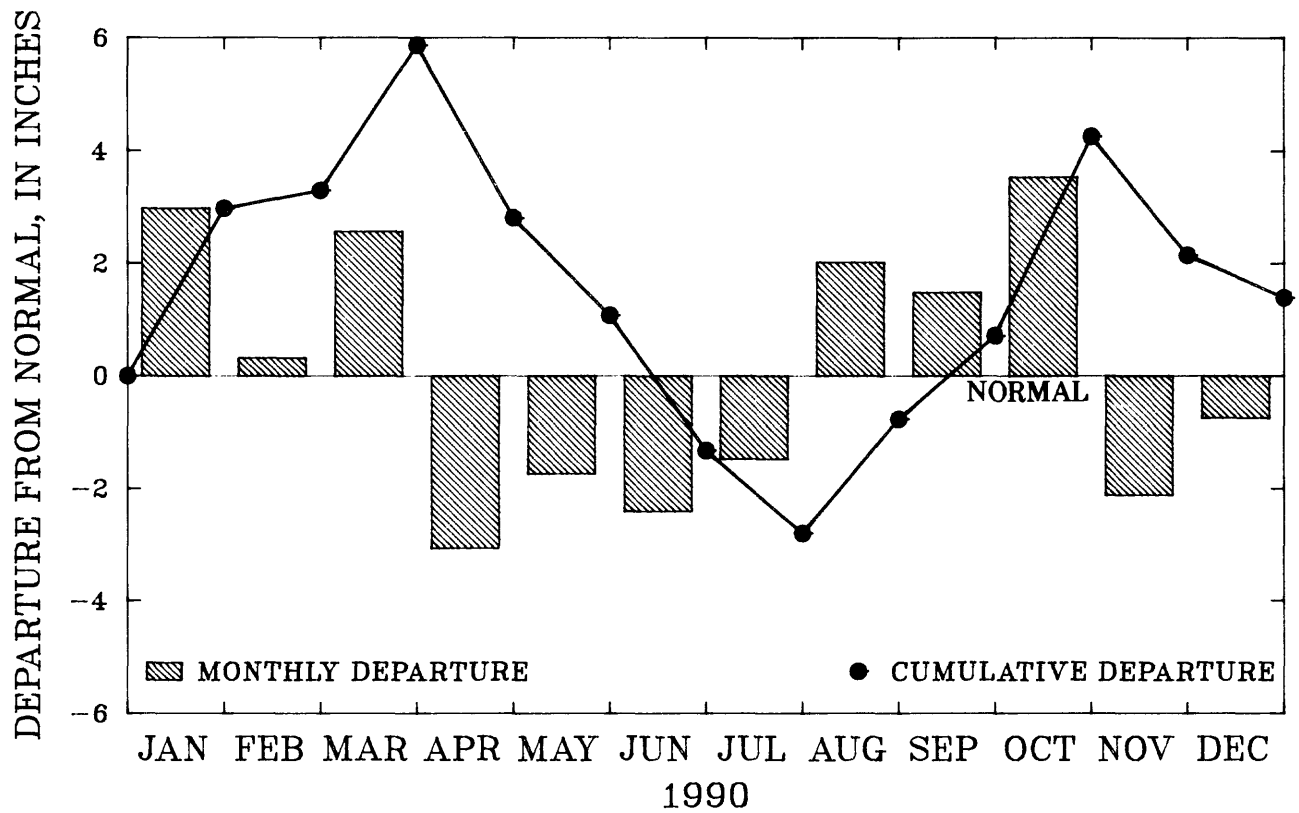


Figure 8.--Precipitation departure from normal for National Weather Service station Clemson University.

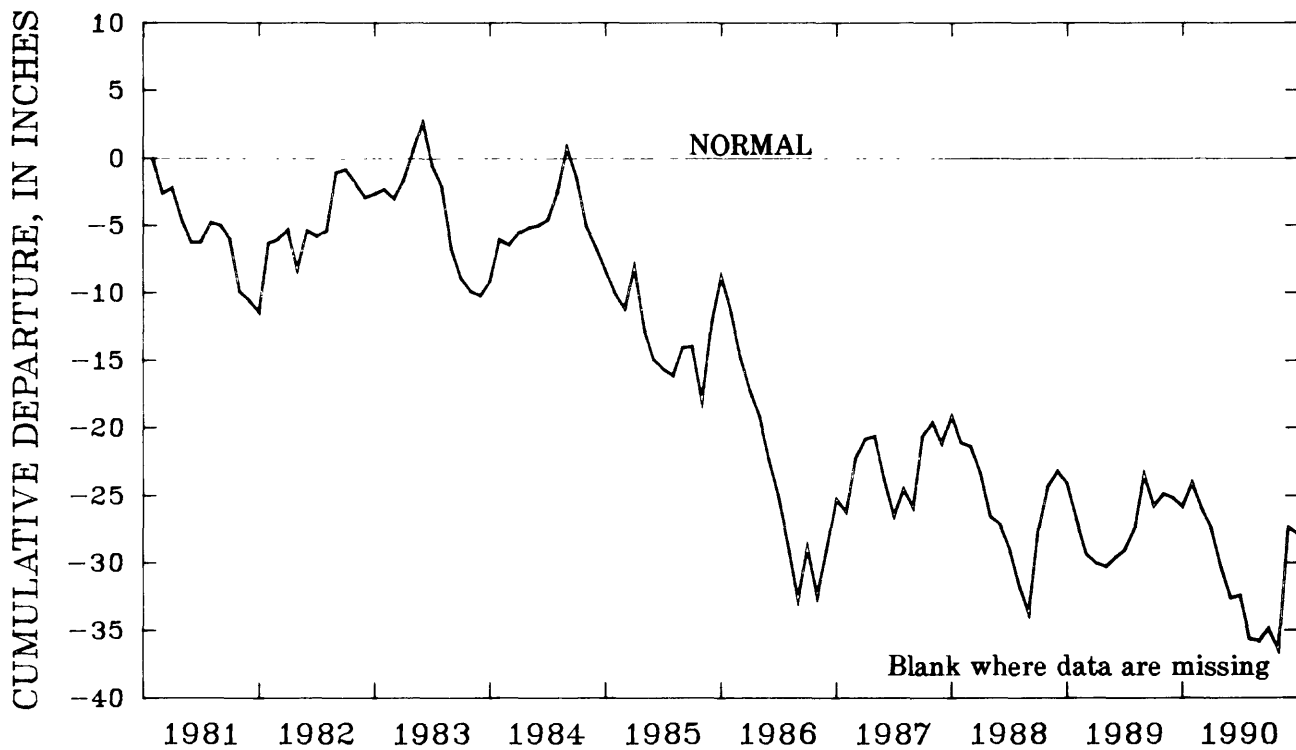
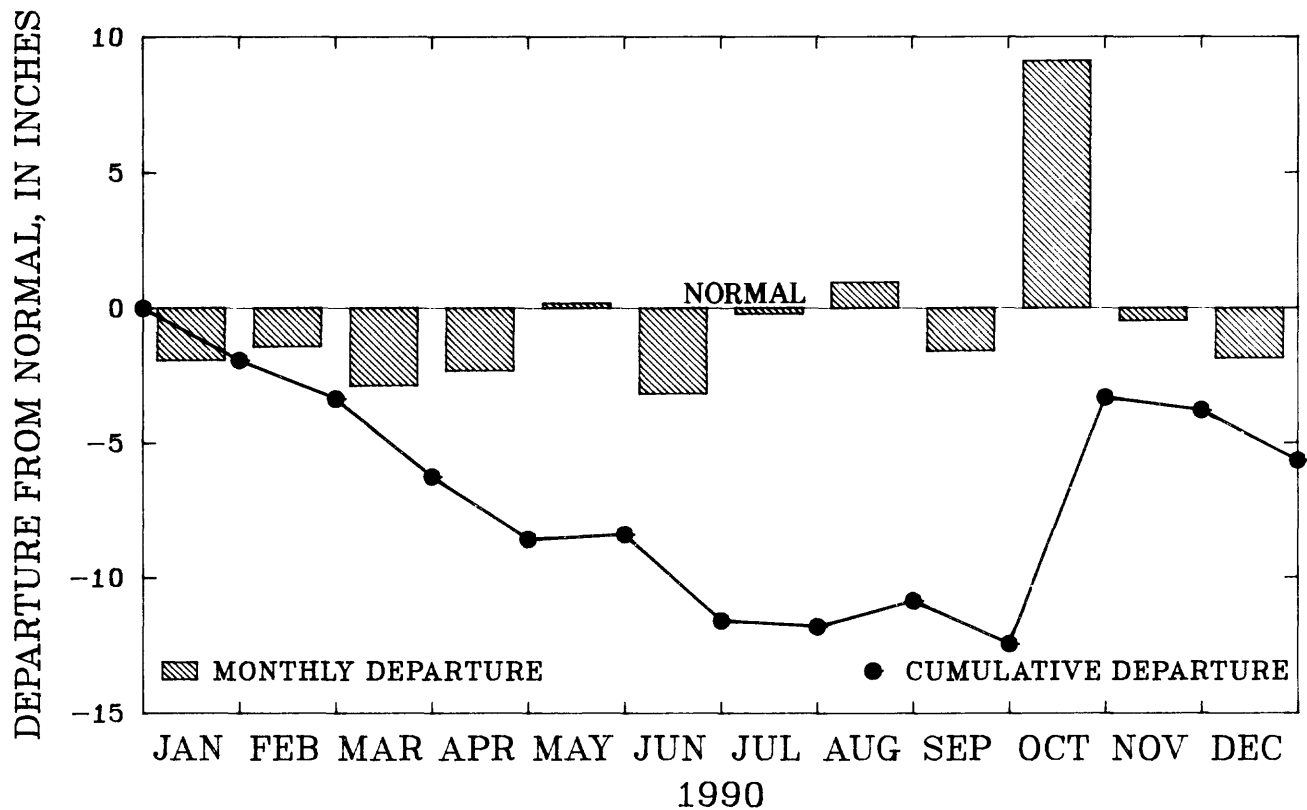


Figure 9.--Precipitation departure from normal for National Weather Service station Columbia WSFO AP.

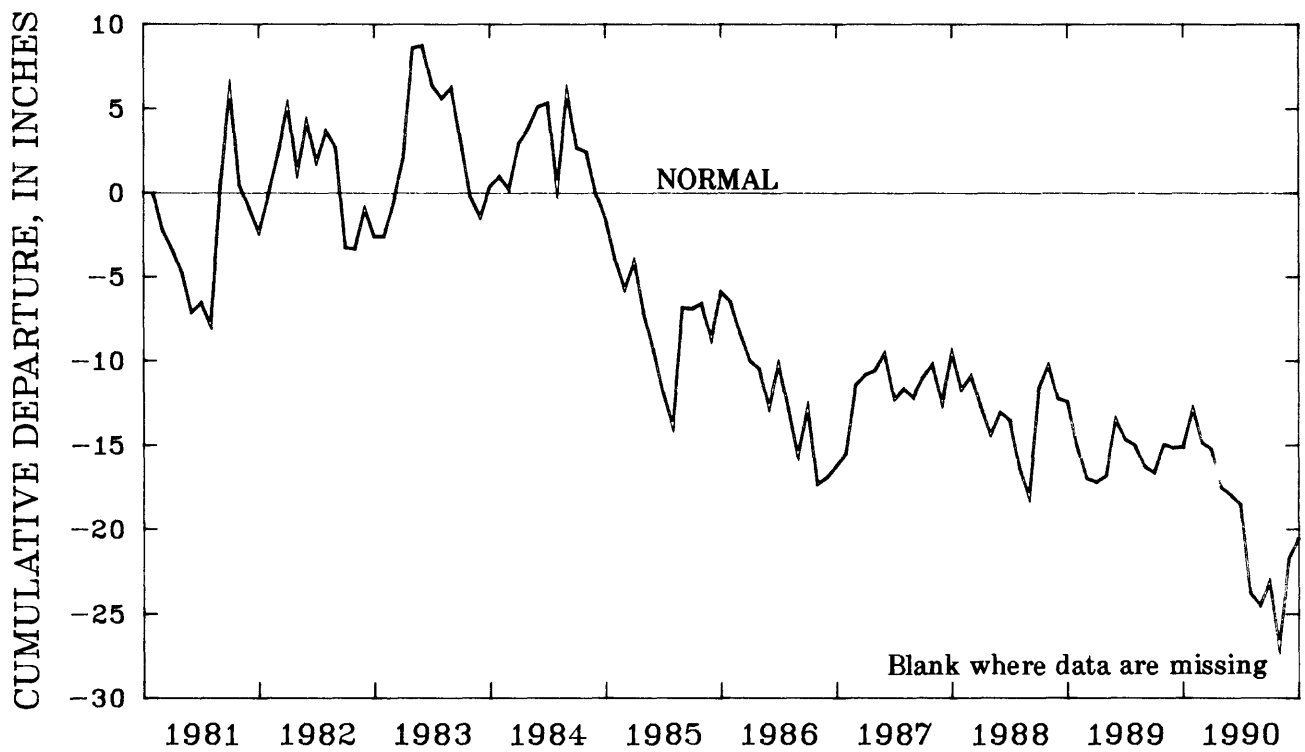
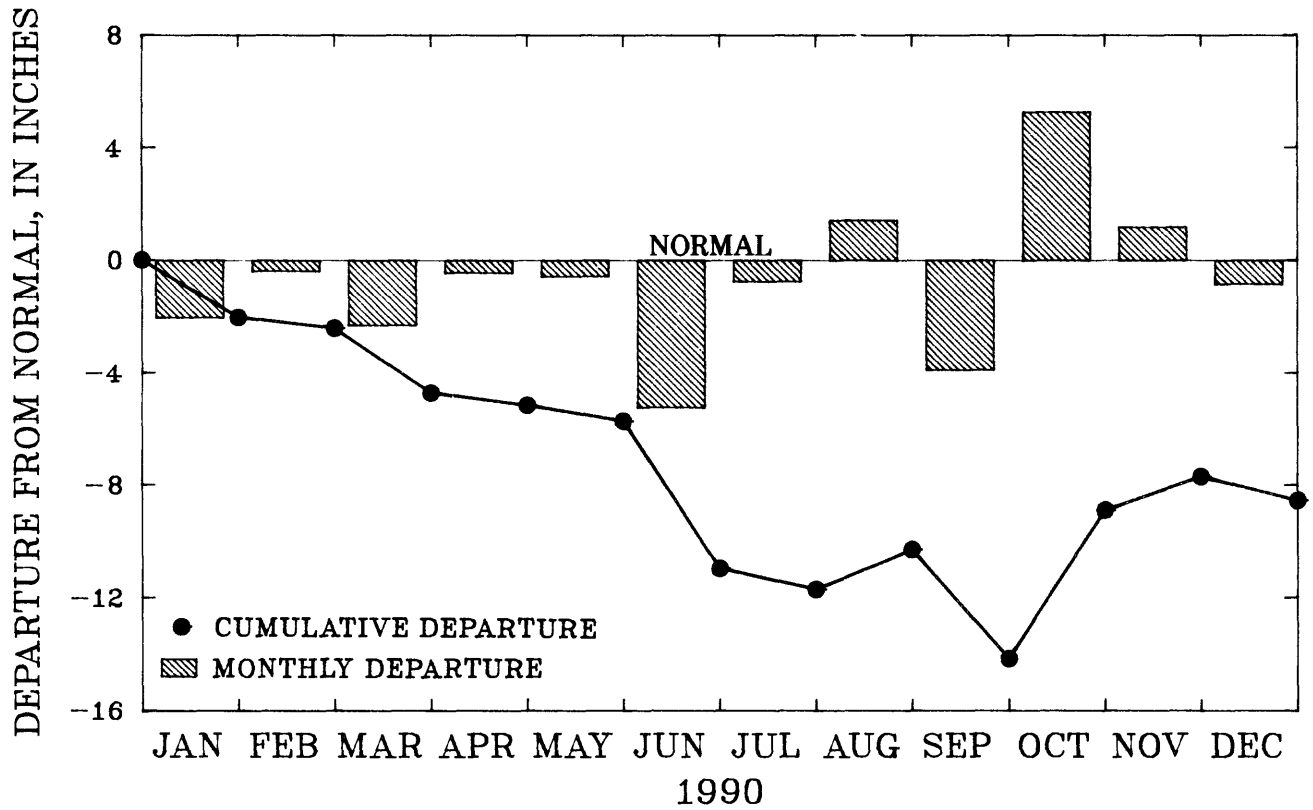


Figure 10.—Precipitation departure from normal for National Weather Service station Conway.

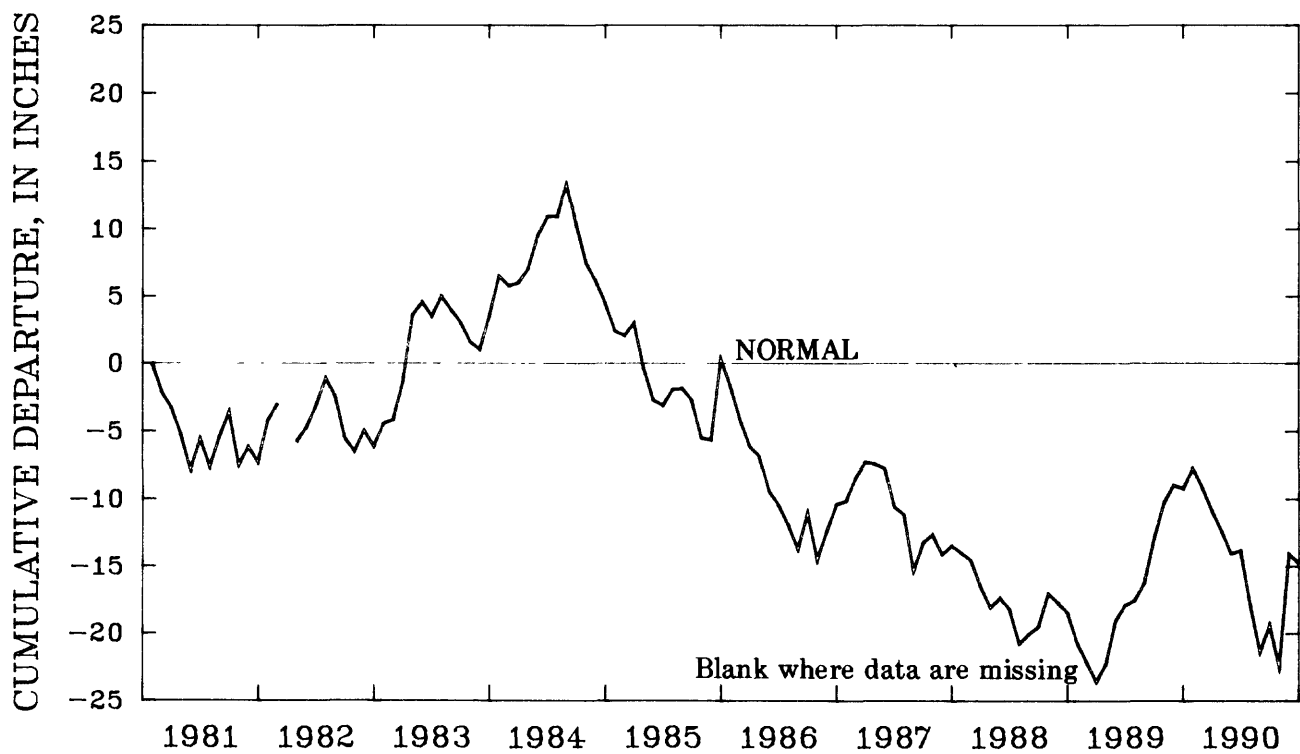
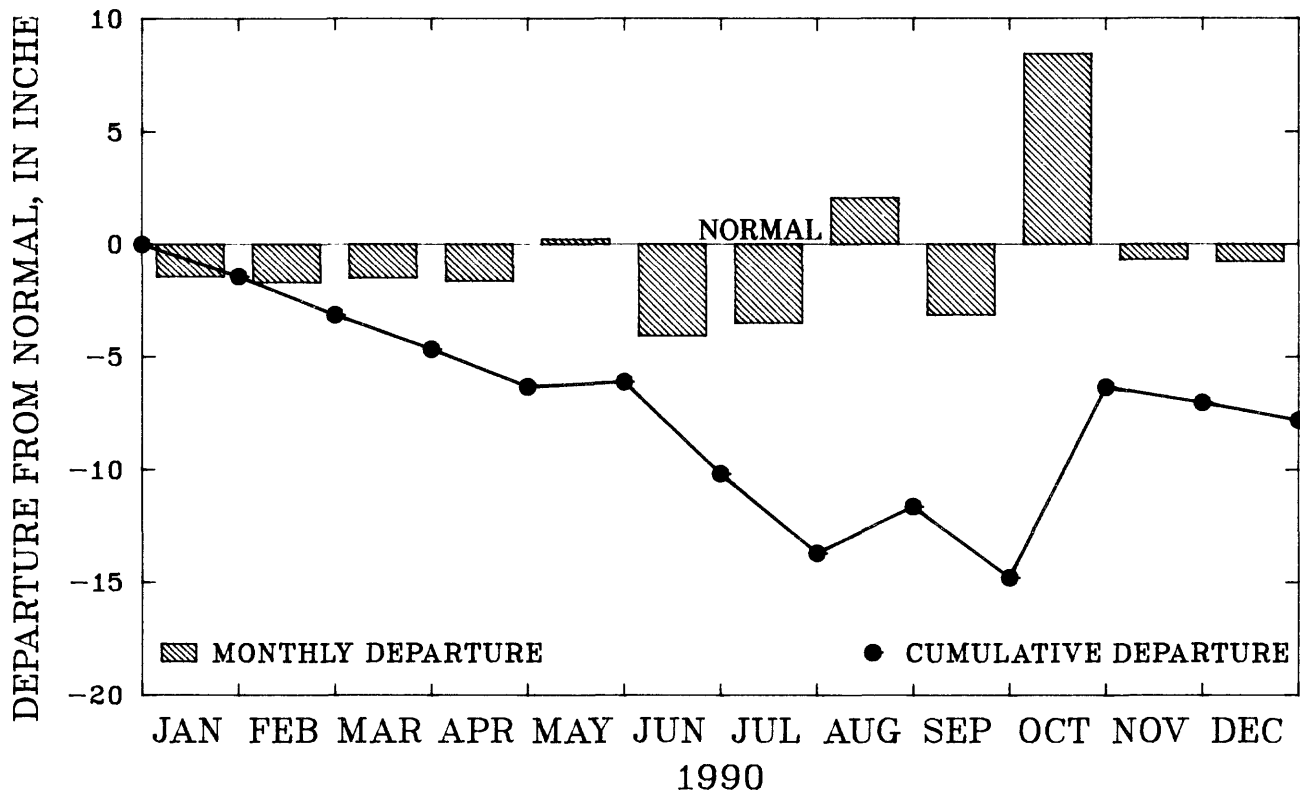


Figure 11.--Precipitation departure from normal for National Weather Service station Florence FAA AP.

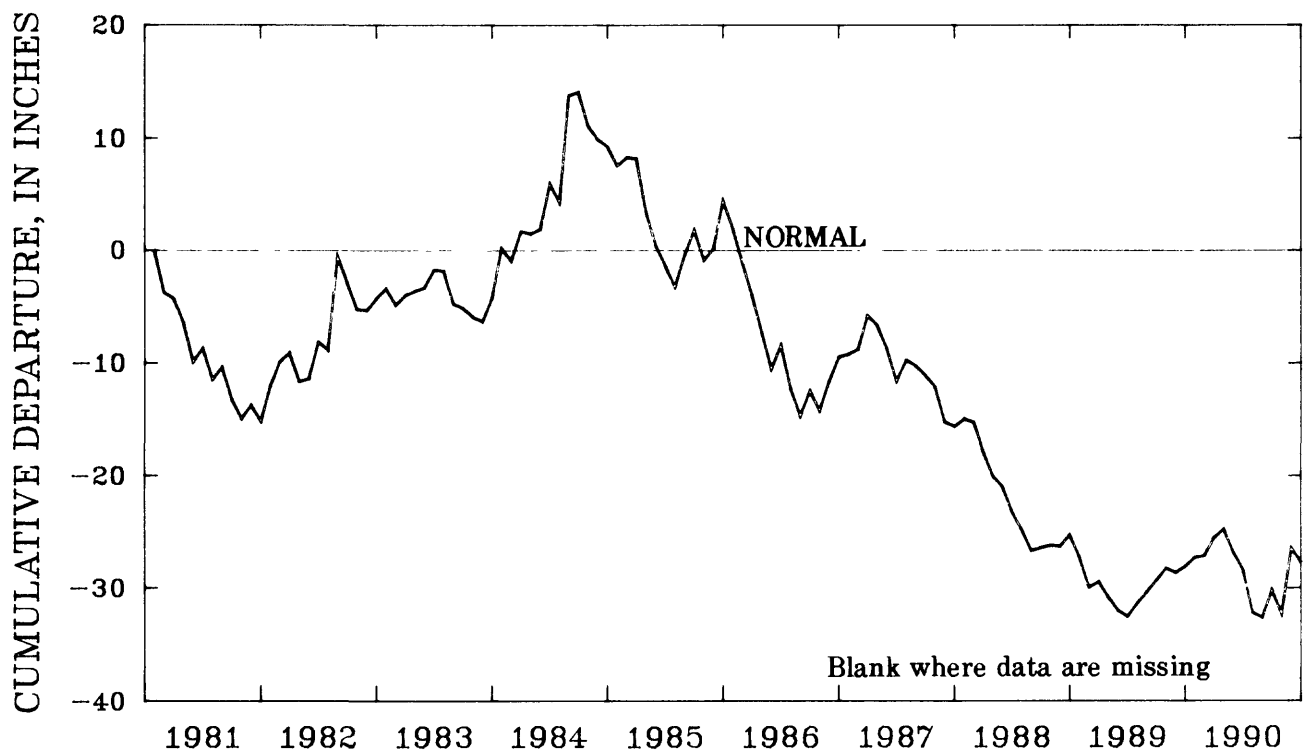
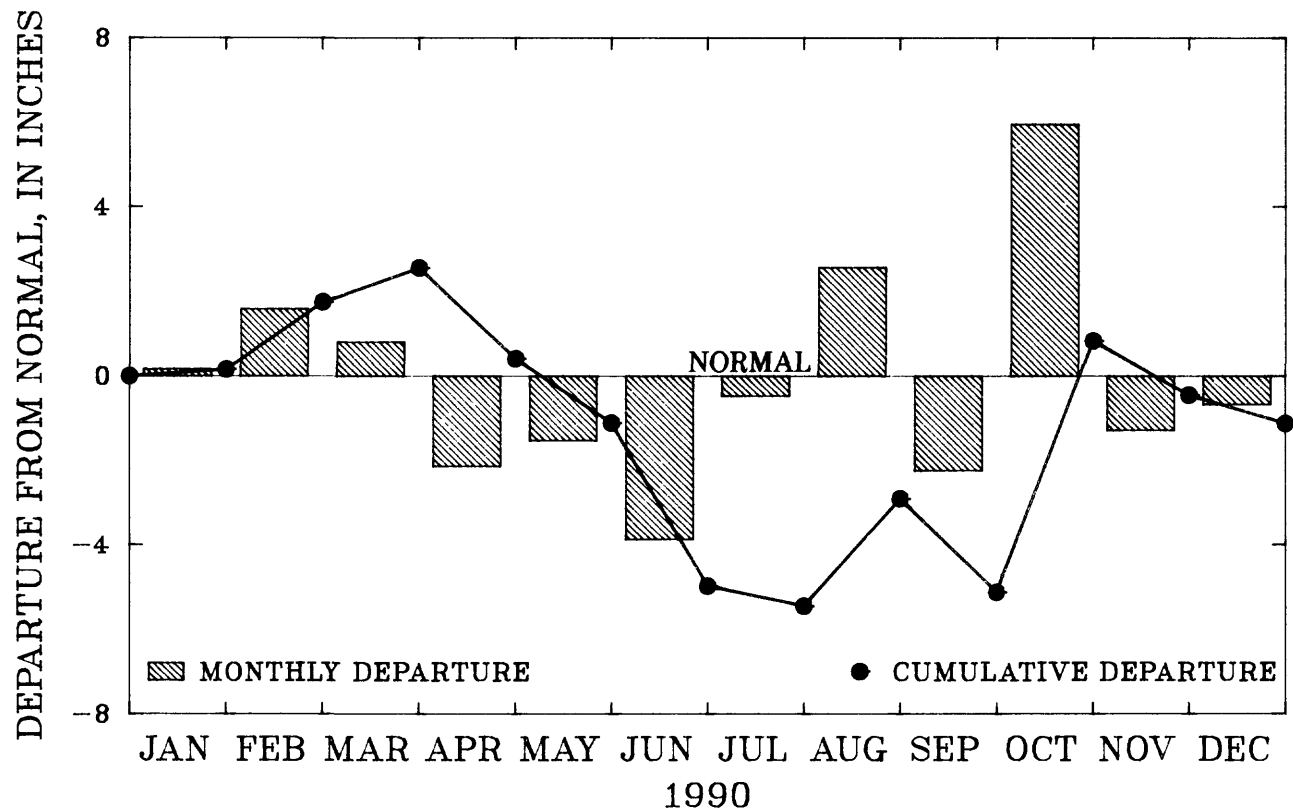


Figure 12.--Precipitation departure from normal for National Weather Service station Greenville-Spartanburg WSO AP.

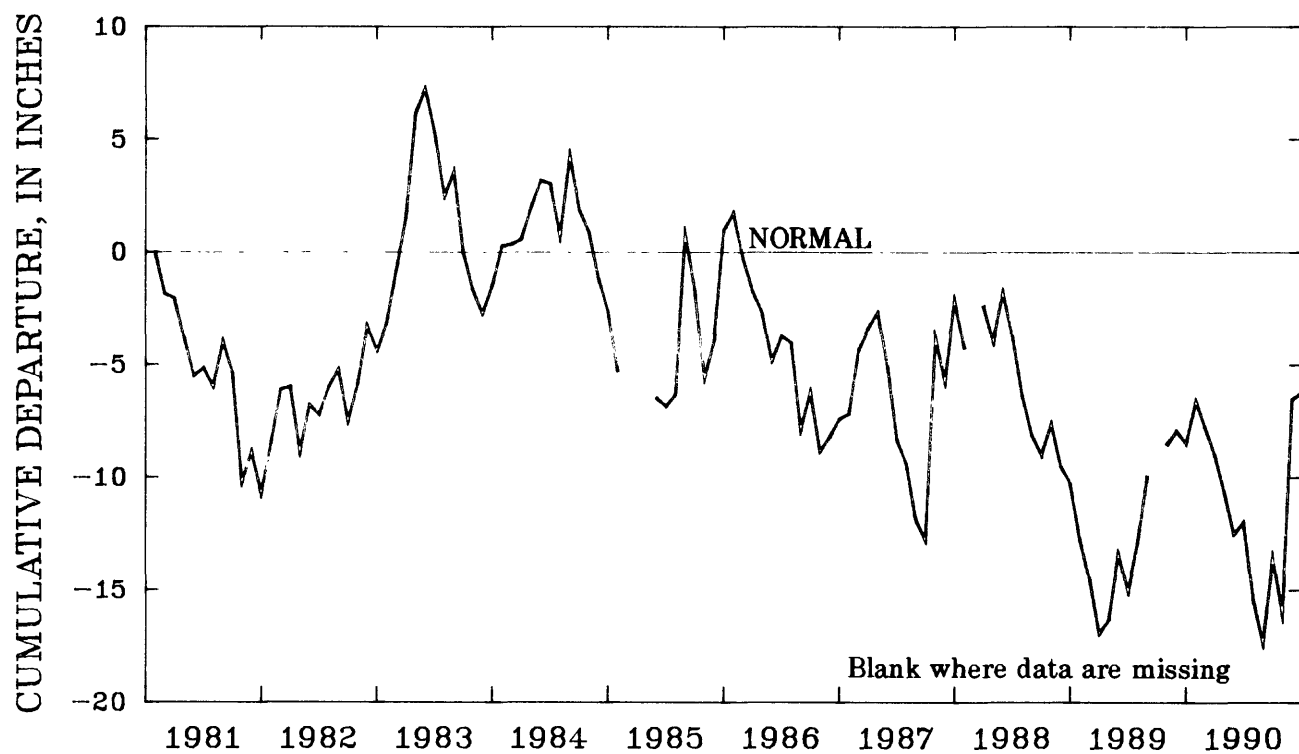
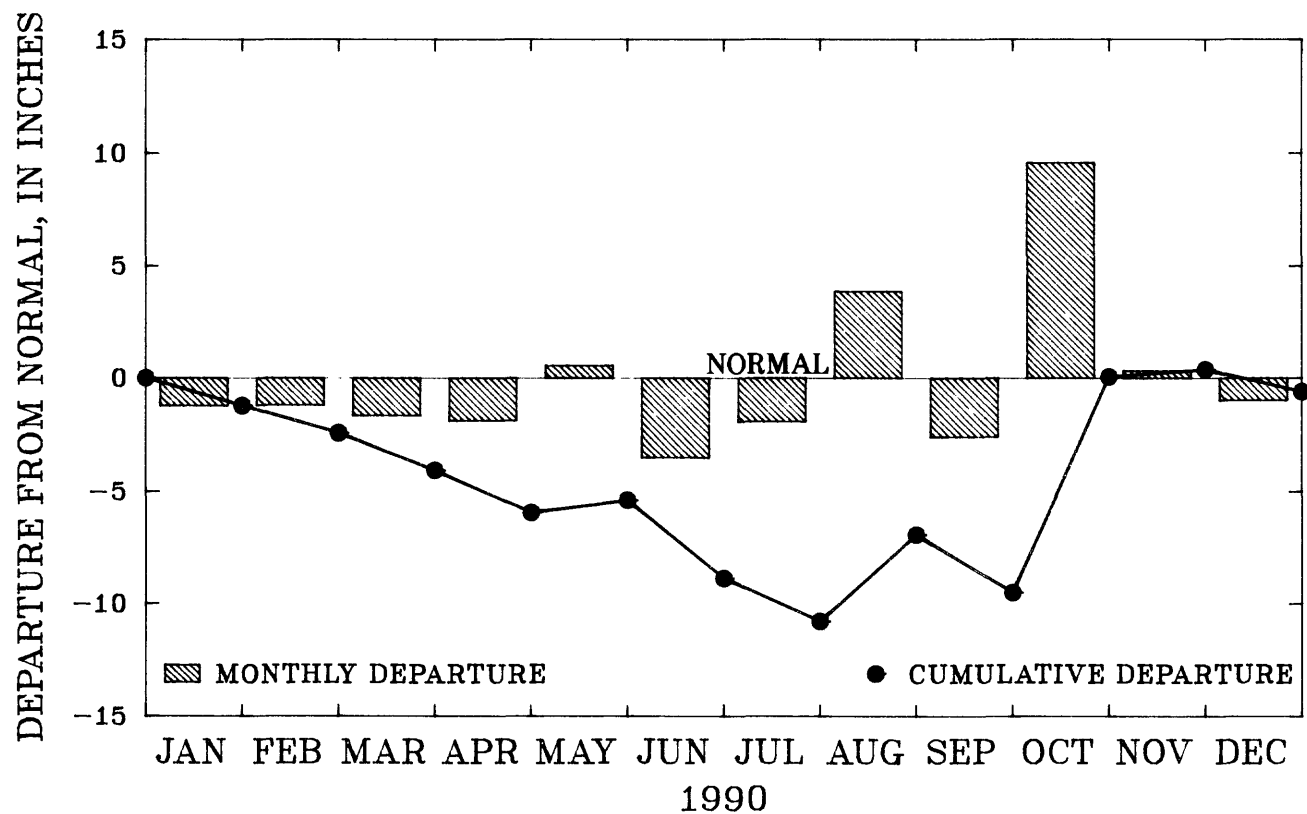


Figure 13.—Precipitation departure from normal for National Weather Service station Kingstree 1 SE.

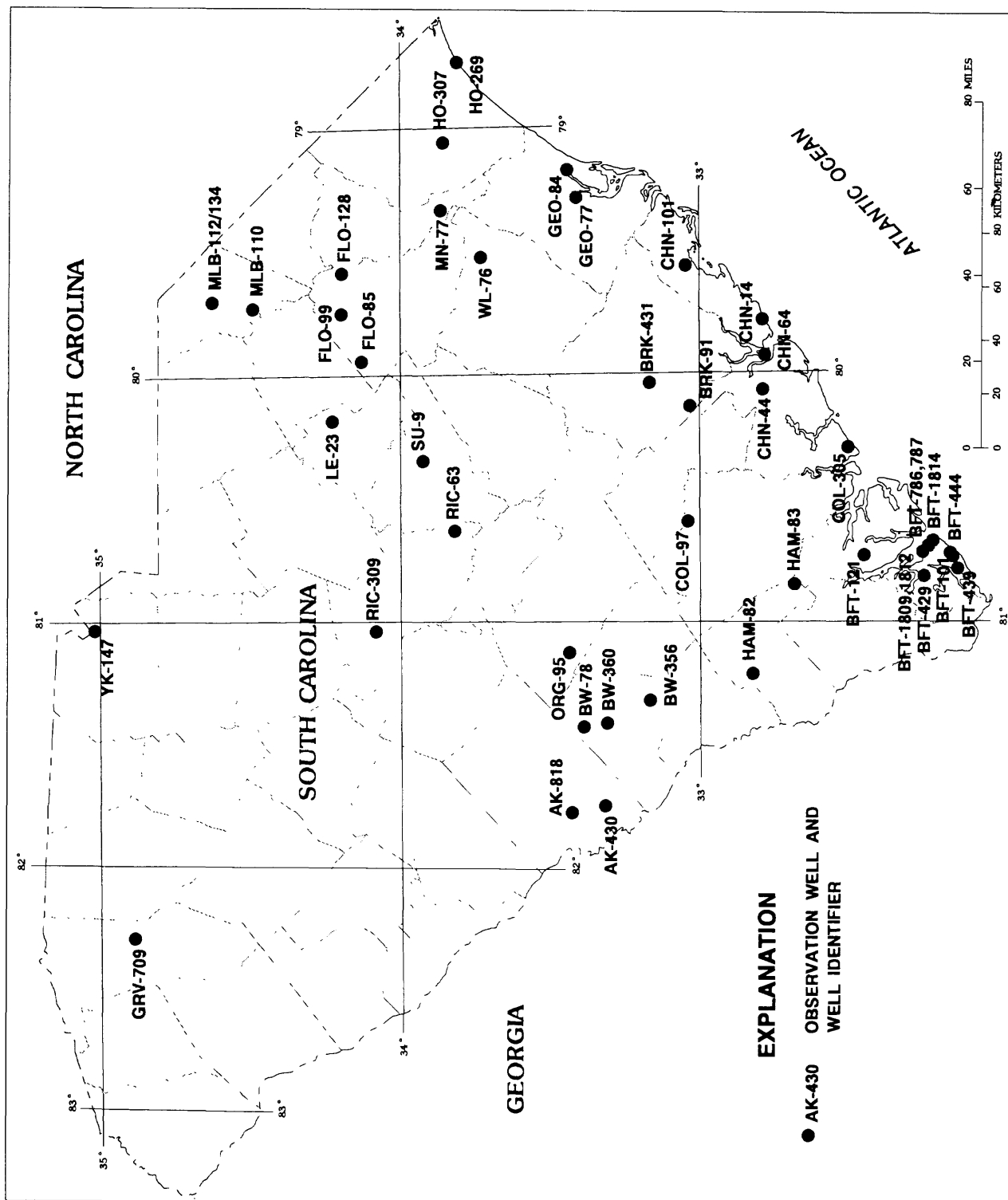


Figure 14.--Locations of observation wells.

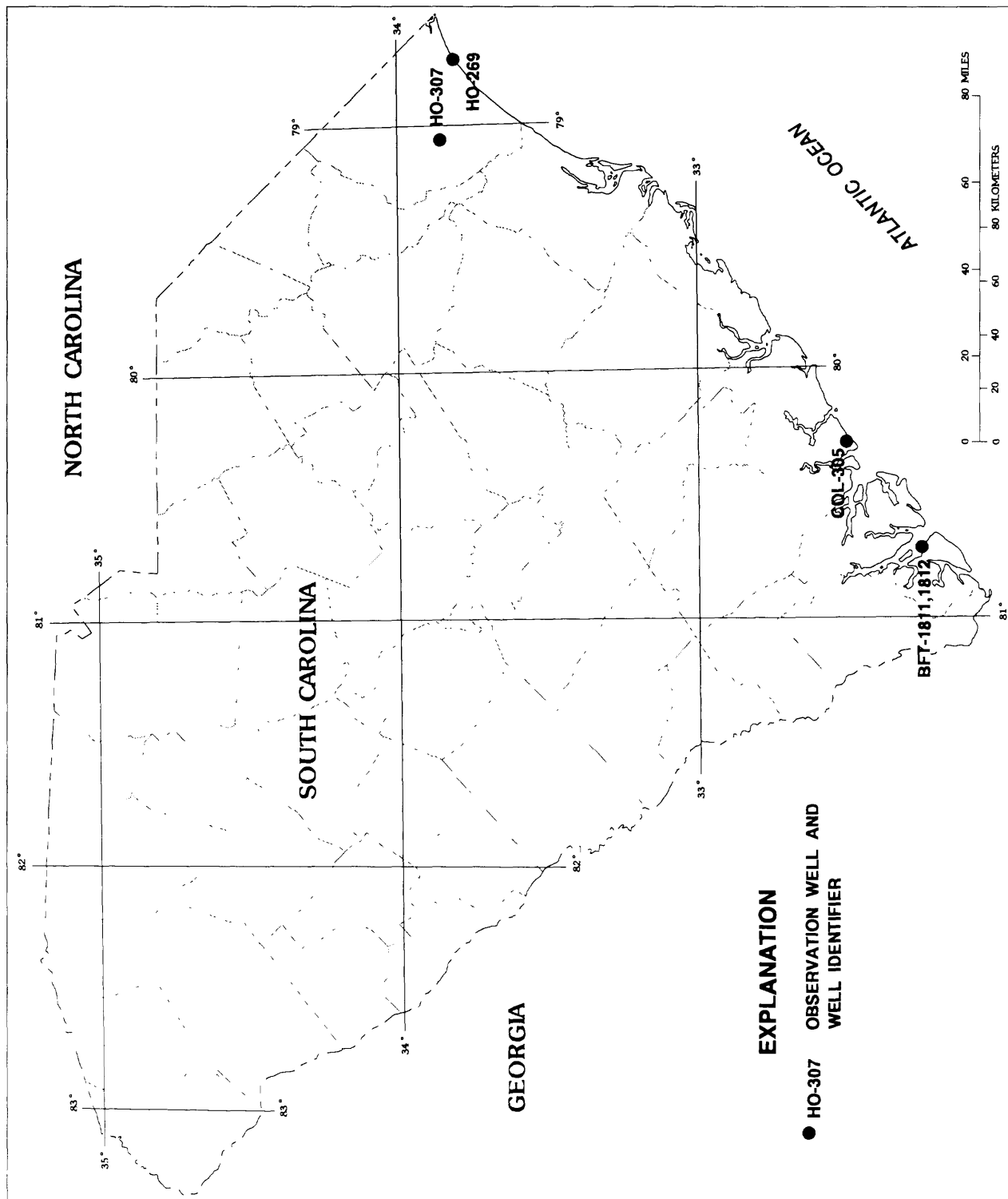


Figure 15.--Locations of observation wells in the Surficial aquifer.

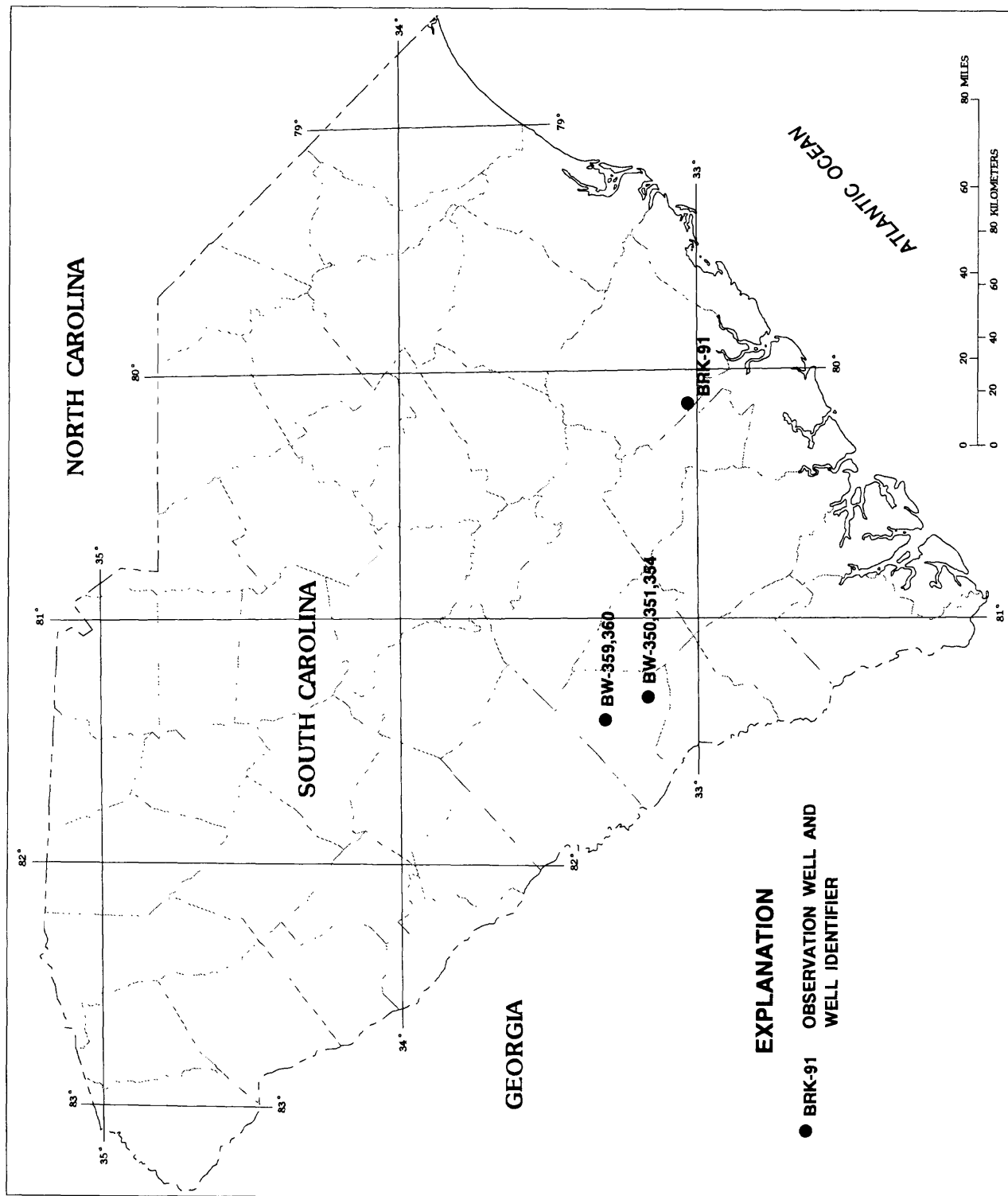


Figure 16.--Locations of observation wells in the Tertiary sand aquifer.

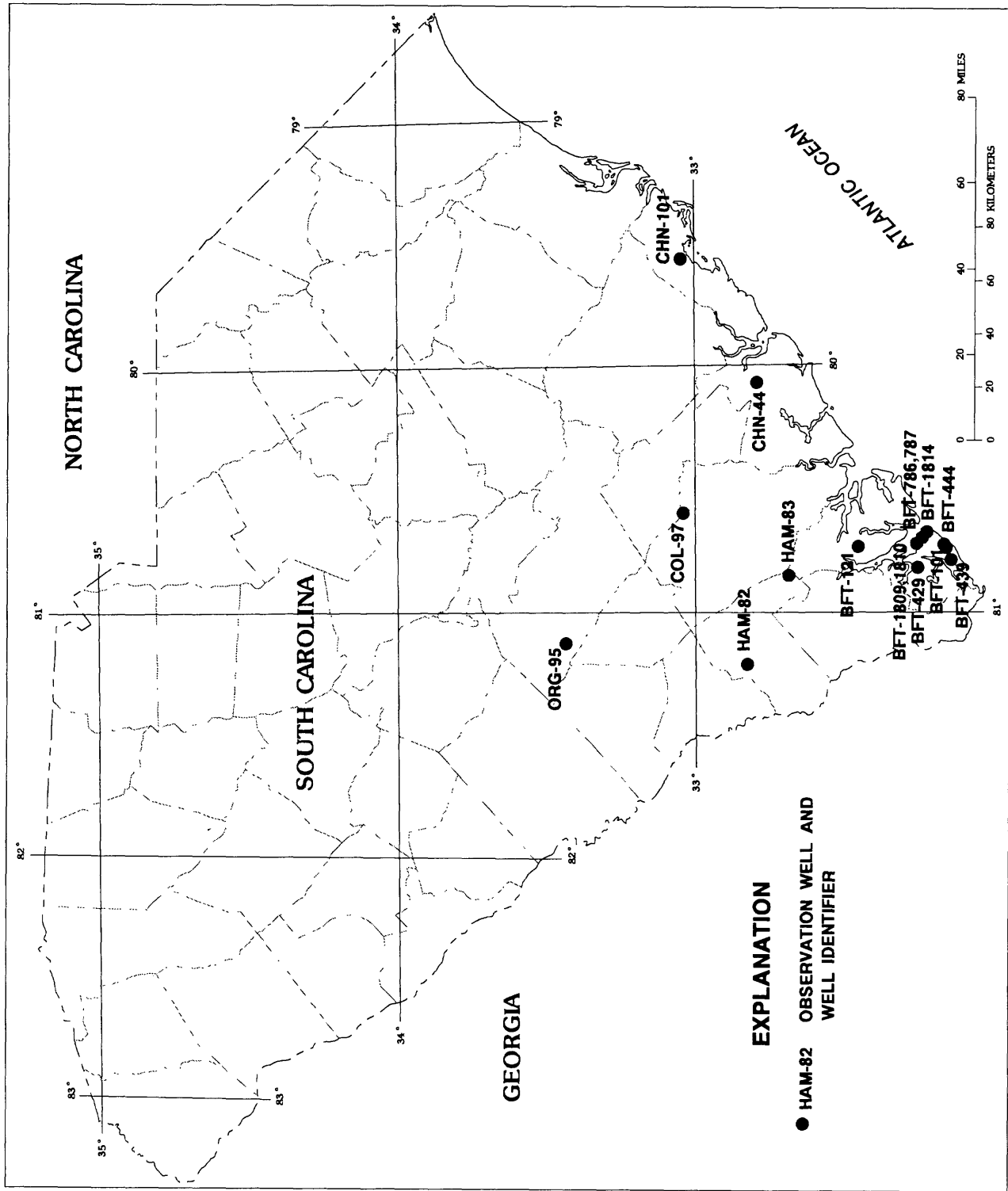


Figure 17.--Locations of observation wells in the Floridan aquifer.

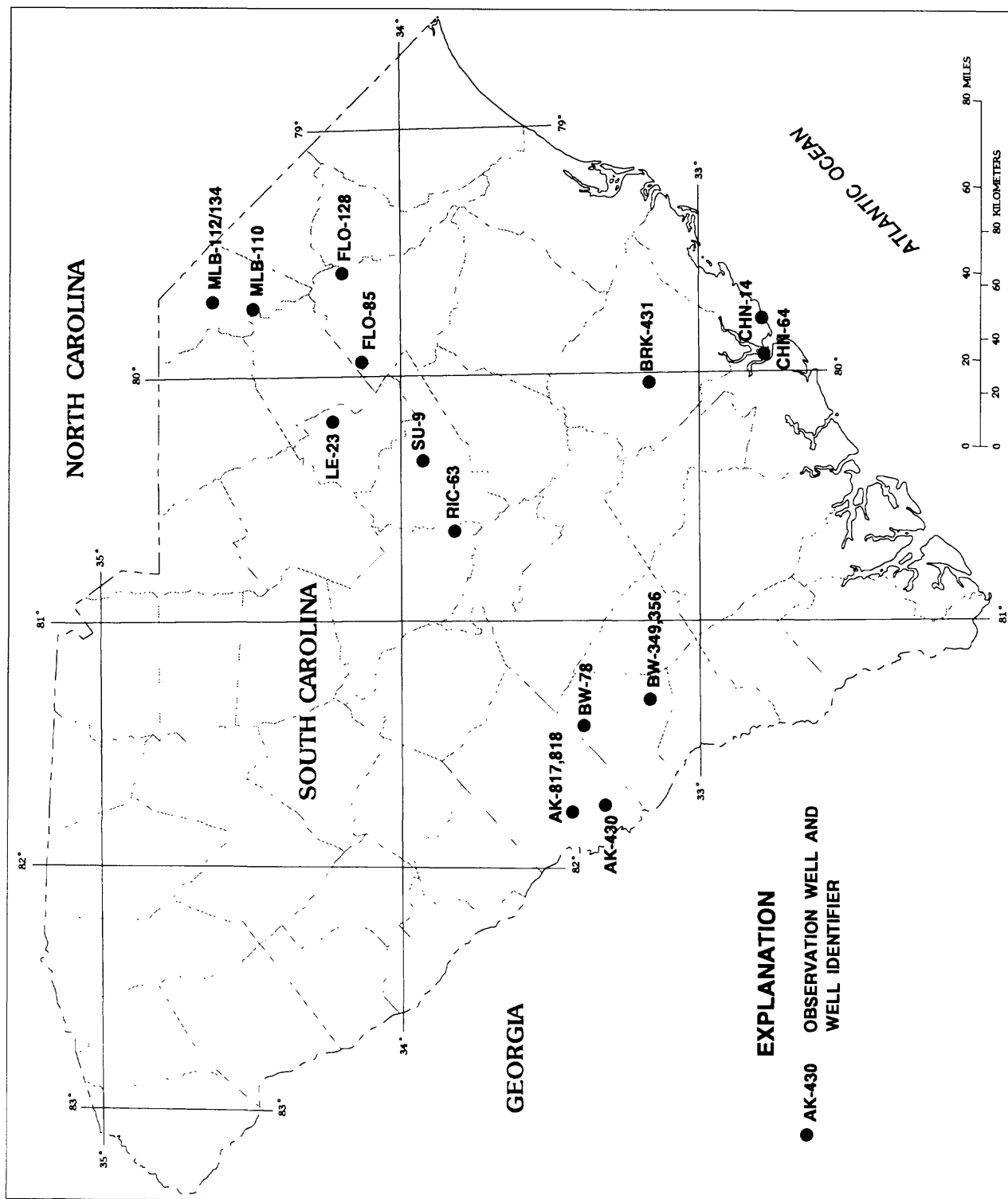


Figure 19.--Locations of observation wells in the Middendorf aquifer.

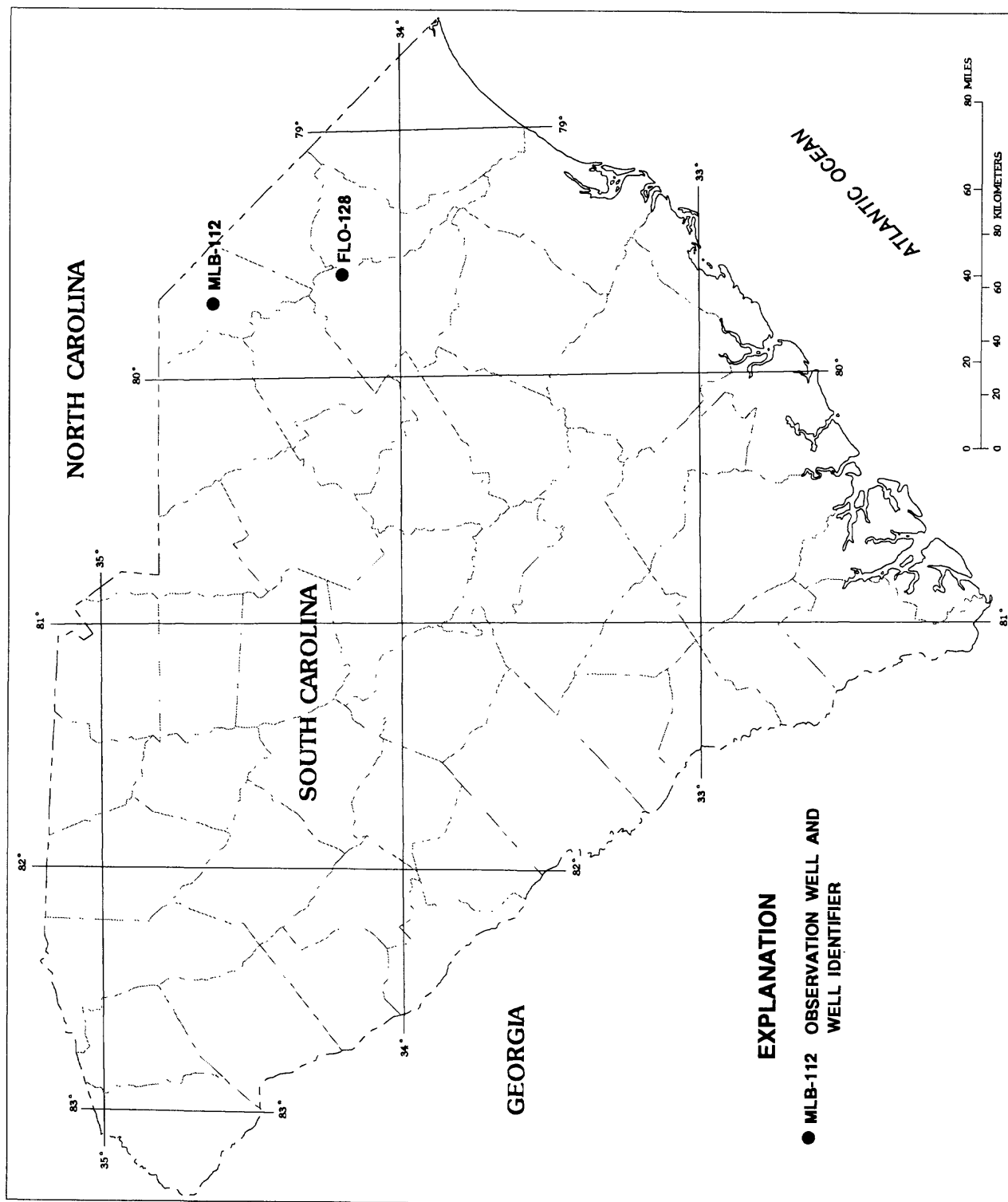


Figure 20.--Locations of observation wells in the Cape Fear aquifer.

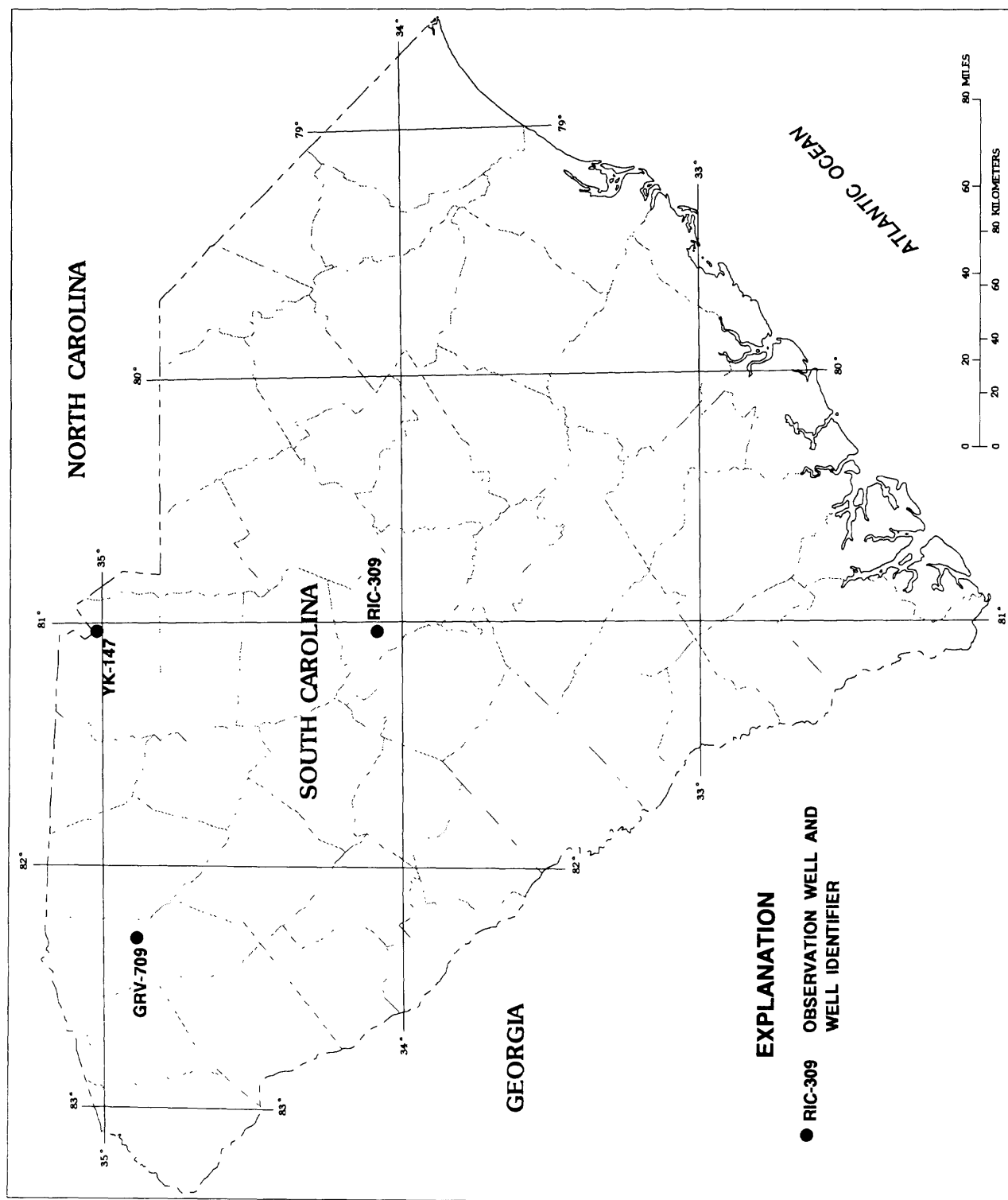


Figure 21.--Locations of observation wells in the Piedmont aquifer.

Table 3.--Characteristics and daily mean water level for well AK-430

AIKEN COUNTY

331940081443501. Local number, AK-430.

LOCATION.--Lat 33°19'40'', long 81°44'35'', Hydrologic Unit 03060106, at Savannah River Site near Aiken.

Owner: U.S. Department of Energy.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 18 in. from surface to 318 ft, 8 in. from 279 to 605 ft, depth 605 ft, cased to 605 ft, screened intervals 390-400, 455-465, 590-600 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 357 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Also known as SRP-4M. Electric log available in District files.

PERIOD OF RECORD.--May 1952 to current year. Prior to October 1970, maximum and minimum only. Prior to 1974, published as AK-2 or LA-4.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 144.77 ft below land-surface datum, Feb. 23, 1966; lowest, 159.22 ft below land-surface datum, May 29, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	157.01	157.30	156.83	156.81	157.79	158.32	158.16	158.08	156.81	158.15	158.56	158.25
2	157.20	157.28	156.78	156.92	157.74	158.12	158.30	158.12	157.34	158.19	158.63	158.08
3	157.26	157.24	156.62	156.73	157.80	157.86	158.33	158.14	157.45	158.23	158.64	157.90
4	157.11	157.04	156.68	157.19	157.73	157.79	158.45	157.90	157.63	158.07	158.55	157.82
5	157.02	156.94	156.81	157.45	157.22	157.81	158.42	157.62	157.89	158.50	158.41	157.96
6	156.98	156.90	156.87	157.54	157.13	157.93	158.29	157.81	157.91	158.58	158.41	158.12
7	156.97	156.77	156.76	157.41	157.18	157.94	158.24	158.08	157.92	158.65	158.54	158.08
8	156.87	156.72	156.40	157.37	157.16	157.72	158.11	158.23	157.99	158.69	158.48	157.99
9	156.83	156.52	156.27	157.36	157.08	157.95	158.21	158.35	158.05	158.75	158.38	157.98
10	156.69	156.19	156.30	157.26	156.97	157.88	158.02	158.28	158.08	158.59	158.33	157.93
11	156.54	156.40	156.27	156.85	157.02	157.94	158.07	158.27	158.13	158.37	158.52	157.88
12	156.40	156.82	156.27	156.94	157.11	158.09	158.26	158.14	158.19	158.19	158.62	157.54
13	156.48	157.01	156.17	157.07	157.16	158.15	158.16	158.35	158.19	158.25	158.67	157.40
14	156.59	157.00	155.60	157.17	156.92	158.04	158.07	158.41	158.18	158.34	158.75	157.37
15	156.58	156.95	156.06	156.91	156.81	157.93	158.25	158.40	158.07	158.41	158.79	157.66
16	156.55	156.85	156.32	157.05	156.97	158.09	158.12	158.29	158.01	158.51	158.72	157.78
17	156.52	157.06	156.31	157.09	157.14	158.17	158.17	158.31	157.82	158.54	158.52	157.58
18	156.16	157.15	156.35	156.97	157.19	158.17	157.94	158.36	157.82	158.44	157.85	157.10
19	155.69	156.97	156.51	157.12	157.22	158.23	157.92	158.33	157.32	158.41	158.29	156.97
20	156.49	156.93	156.60	156.78	157.22	158.21	157.94	158.29	157.00	158.47	158.46	157.30
21	156.77	156.95	156.68	156.92	157.15	158.19	157.94	158.24	157.73	158.48	158.59	157.29
22	156.02	156.80	156.59	156.97	157.13	157.73	157.79	158.04	157.74	158.43	158.59	157.35
23	156.76	156.62	156.63	156.94	157.16	158.10	157.77	158.04	157.91	158.24	158.48	157.43
24	157.18	156.65	156.56	156.92	157.27	158.36	157.87	158.02	158.04	158.29	158.45	157.36
25	157.26	156.87	156.54	157.15	157.79	158.30	157.70	157.65	158.12	158.28	158.52	157.52
26	157.18	157.08	156.55	157.05	158.01	158.37	157.71	157.28	158.12	158.37	158.58	157.43
27	157.30	156.77	156.66	157.08	157.95	158.38	157.87	157.03	158.14	158.56	158.68	157.14
28	156.33	156.76	156.70	157.07	157.51	158.32	157.91	156.97	158.10	158.59	158.70	157.11
29	155.95	---	156.81	157.27	157.85	158.35	157.94	156.70	158.14	158.64	158.53	157.30
30	156.75	---	156.70	157.58	158.14	157.87	157.90	156.26	158.15	158.65	158.38	157.38
31	157.14	---	156.55	---	158.26	---	157.96	156.19	---	158.23	---	157.12
MEAN	156.73	156.88	156.51	157.10	157.38	158.08	158.06	157.88	157.87	158.42	158.52	157.58
MAX	157.30	157.30	156.87	157.58	158.26	158.38	158.45	158.41	158.19	158.75	158.79	158.25
MIN	155.69	156.19	155.60	156.73	156.81	157.72	157.70	156.19	156.81	158.07	157.85	156.97
CAL YR 1990	MEAN 157.59	HIGH 155.60	LOW 158.79									

WATER LEVEL, IN FEET BELOW LAND SURFACE

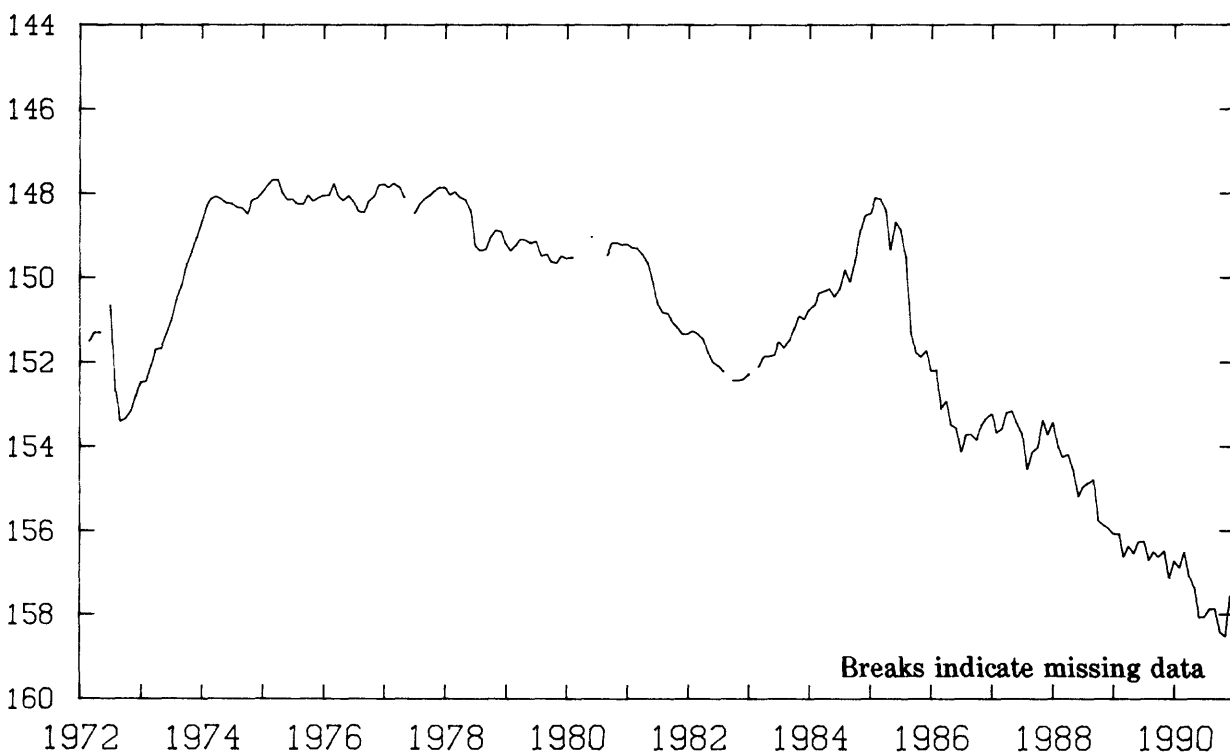
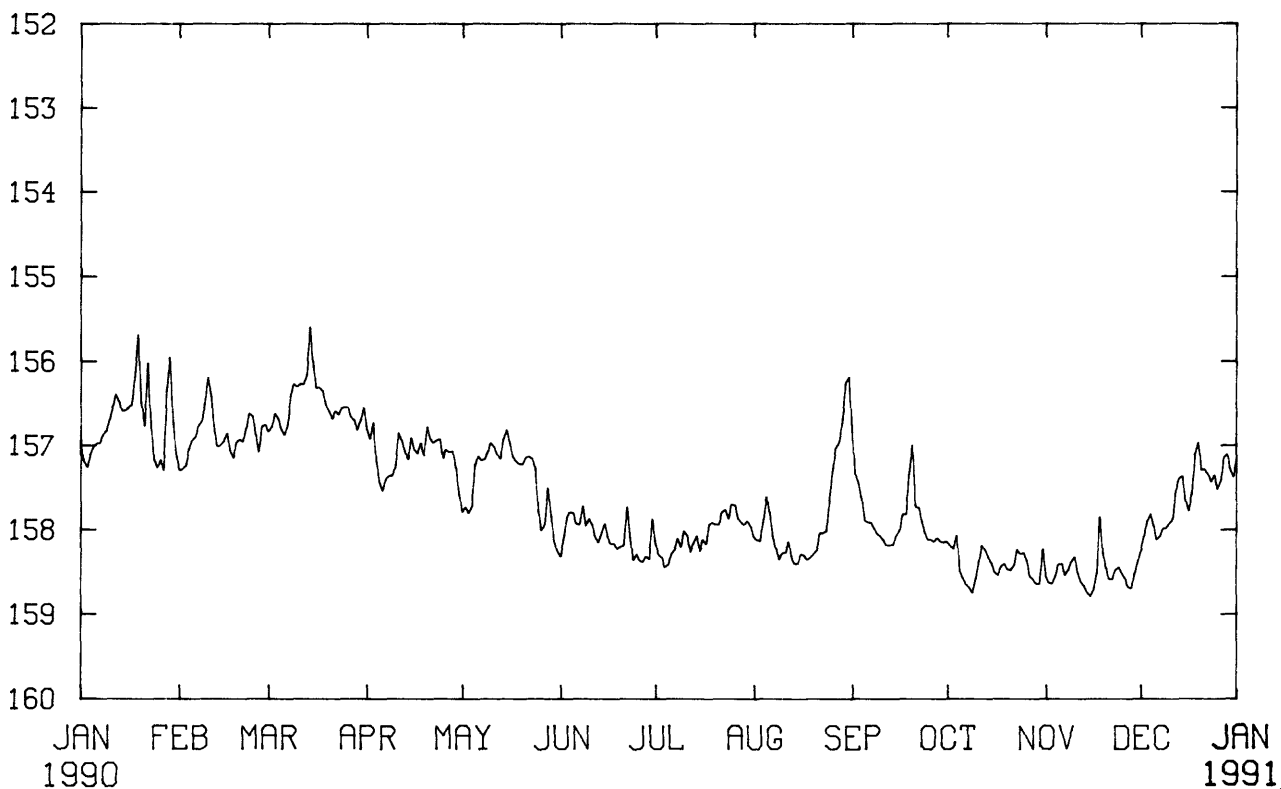


Figure 22.--Water levels in observation well AK-430.

Table 4.--Characteristics and daily mean water level for well AK-817

AIKEN COUNTY

332616081462001.Local number, AK-817.

LOCATION.--Lat 33°26'17'', long 81°46'15'', Hydrologic Unit 03060106, 100 ft north of State Highway 146, (Graymare Hollow Road), approximately 0.6 mi east of junction with State Highway 302.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from surface to 478 ft, 4 in. from 478 ft to 535 ft, depth 535 ft, cased to 535 ft, screened interval 520-530 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 420 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 181.31 ft below land-surface datum, Apr. 24, 1988; lowest, 183.49 ft below land-surface datum, Nov. 30, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	182.92	182.85	182.77	182.95	183.22	183.12	183.20	183.35	---	183.28	183.47
2	---	182.86	182.76	182.75	183.00	183.21	183.11	183.23	183.36	---	183.28	183.36
3	---	182.84	182.61	182.73	183.07	183.09	183.20	183.19	183.33	---	183.28	183.23
4	---	182.74	182.74	182.77	183.05	182.99	183.26	183.21	183.37	---	183.23	183.22
5	---	182.88	182.89	182.84	182.89	183.02	183.22	183.22	183.35	183.40	183.11	183.35
6	---	182.98	182.95	182.88	182.90	183.11	183.16	183.19	183.27	183.42	183.09	183.31
7	---	182.90	183.03	182.97	183.02	183.11	183.18	183.17	183.23	183.43	183.21	183.25
8	---	182.91	183.06	183.10	183.09	183.12	183.25	183.21	183.25	183.43	183.27	183.24
9	---	182.84	182.95	183.14	183.02	183.11	183.26	183.22	183.30	183.41	183.22	183.36
10	---	182.68	182.87	182.99	182.84	183.07	183.23	183.22	183.33	183.31	183.01	183.35
11	---	182.75	182.87	182.82	182.98	183.07	183.21	183.24	183.36	183.09	183.24	183.34
12	---	182.90	182.88	182.94	183.06	183.14	183.21	183.28	183.37	183.01	183.30	---
13	---	182.99	182.86	183.03	183.00	183.17	183.17	183.28	---	182.96	183.31	---
14	---	182.97	182.82	182.98	183.02	183.11	183.10	183.26	---	183.10	183.42	---
15	---	182.91	182.81	182.85	183.05	183.00	183.16	183.26	---	183.21	183.47	---
16	---	182.84	182.80	182.84	183.04	182.99	183.27	183.25	---	183.30	183.35	---
17	---	182.89	182.72	182.88	182.99	183.11	183.31	183.25	---	183.35	183.22	---
18	---	183.02	182.82	183.03	183.04	183.10	183.28	183.27	---	183.27	183.26	---
19	---	182.87	182.89	183.17	183.05	183.02	183.23	183.26	---	183.21	183.27	---
20	---	182.91	182.91	183.12	182.99	183.06	183.19	183.27	---	183.28	183.31	183.31
21	---	183.00	183.00	182.98	182.94	183.12	183.15	183.28	---	183.31	183.35	183.31
22	---	182.81	183.00	182.86	182.93	183.12	183.12	183.17	---	183.24	183.32	183.39
23	---	182.65	182.95	182.90	183.03	183.05	183.12	183.16	---	183.04	183.20	183.49
24	182.80	182.74	182.91	182.95	183.08	183.10	183.15	183.20	---	183.06	183.22	183.45
25	182.73	182.99	182.91	182.99	183.11	183.18	183.16	183.27	---	183.06	183.30	183.29
26	182.83	183.17	182.92	182.95	183.07	183.21	183.09	183.29	---	183.12	183.36	183.24
27	182.99	183.10	182.95	182.91	182.97	183.20	183.14	183.26	---	183.30	183.39	183.24
28	182.95	182.92	182.96	182.85	182.91	183.21	183.13	183.22	---	183.35	183.34	183.31
29	182.75	---	182.88	182.86	182.92	183.22	183.14	183.19	---	183.32	183.36	183.36
30	182.76	---	182.84	182.90	183.07	183.18	183.13	183.19	---	183.35	183.49	183.44
31	182.87	---	182.77	---	183.18	---	183.14	183.27	---	183.32	---	183.46
MEAN	---	182.89	182.88	182.92	183.01	183.11	183.18	183.23	---	---	183.28	---
MAX	---	183.17	183.06	183.17	183.18	183.22	183.31	183.29	---	---	183.49	---
MIN	---	182.65	182.61	182.73	182.84	182.99	183.09	183.16	---	---	183.01	---

WATER LEVEL, IN FEET BELOW LAND SURFACE

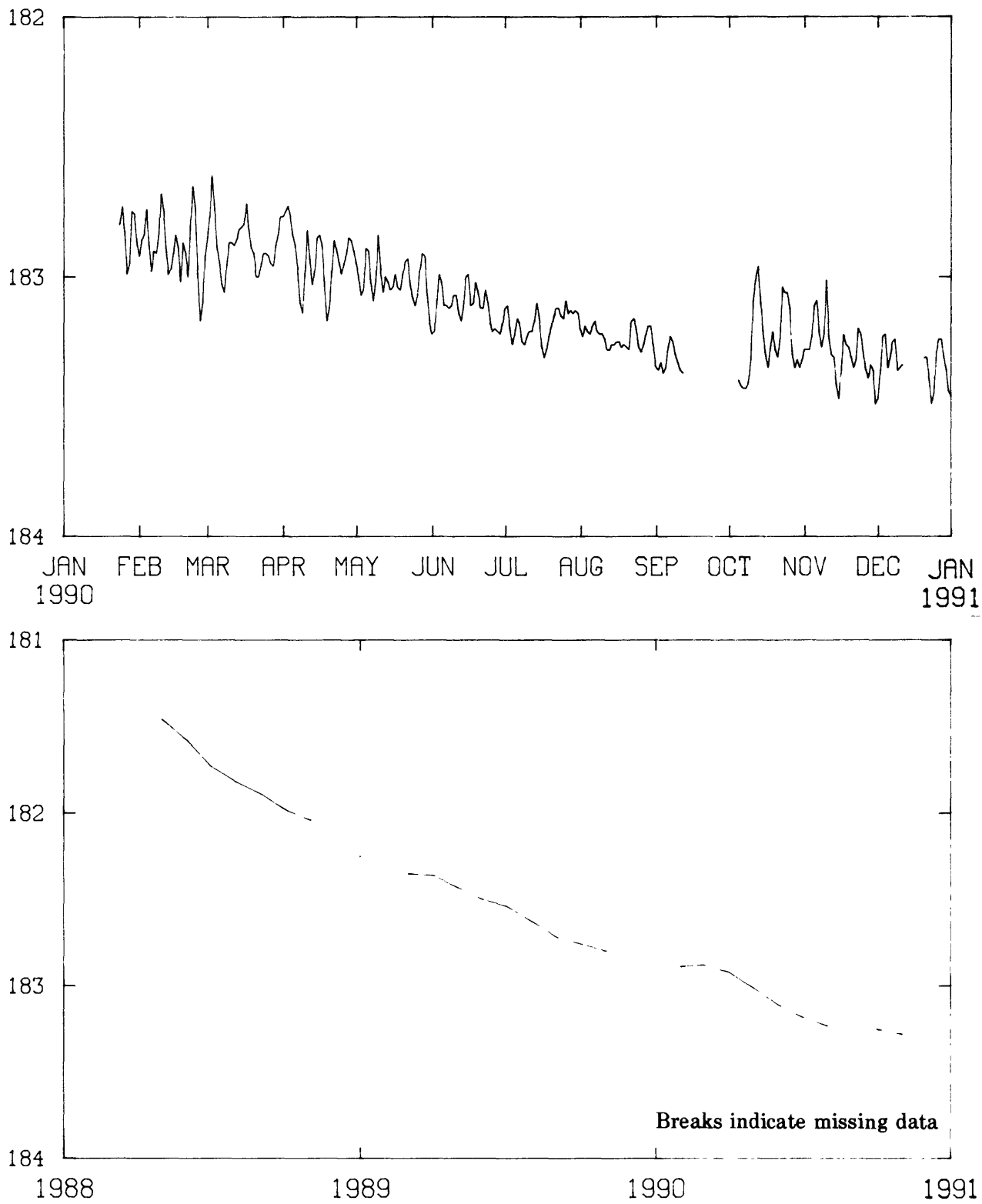


Figure 23.--Water levels in observation well AK-817.

Table 5.--Characteristics and daily mean water level for well AK-818

AIKEN COUNTY

332617081462001.Local number, AK-818.

LOCATION.--Lat 33°26'17'', long 81°46'14'', Hydrologic Unit 03060106, 100 ft north of State Highway 146, (Graymare Hollow Road), approximately 0.6 mi east of junction with State Highway 302.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from 3 ft to 410 ft, 4 in. from 368 to 425 ft, depth 425 ft, cased to 425 ft, screened interval 410-420 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 420 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.1 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 178.72 ft below land-surface datum, Apr. 24, May 17, 1988; lowest, 181.00 ft below land-surface datum, Nov. 30, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	180.80	180.60	180.73	180.88	180.86	180.79	180.93
2	---	---	---	---	---	180.79	180.62	180.76	180.85	180.89	180.80	180.79
3	---	---	---	---	---	180.78	180.72	180.72	180.81	180.94	180.79	180.66
4	---	---	---	---	---	180.73	180.77	180.72	180.87	180.87	180.68	180.68
5	---	---	---	---	---	180.70	180.70	180.71	180.82	180.88	180.56	180.87
6	---	---	---	180.34	---	180.70	180.65	180.69	180.73	180.88	180.65	180.76
7	---	---	180.36	180.35	---	180.70	180.69	180.69	180.69	180.90	180.77	180.70
8	---	---	180.36	180.41	---	180.70	180.77	180.72	180.74	180.89	180.81	180.72
9	---	---	180.34	180.41	---	180.70	180.76	180.72	180.82	180.83	180.70	180.88
10	---	---	180.33	180.34	---	180.70	180.71	180.72	180.83	180.67	180.52	180.82
11	---	---	---	180.33	---	---	180.69	180.74	180.85	180.65	180.86	180.81
12	---	---	---	180.34	---	---	180.71	180.80	180.85	180.53	180.86	---
13	---	---	---	180.36	---	---	180.67	180.77	180.83	180.60	180.86	---
14	---	---	---	180.34	---	---	180.61	180.73	180.77	180.71	180.93	---
15	---	---	---	180.33	---	---	180.69	180.74	180.67	180.82	180.93	---
16	---	---	---	180.33	180.52	---	180.82	180.73	180.70	180.89	180.78	---
17	---	---	---	180.33	180.51	---	180.84	180.75	180.89	180.87	180.64	---
18	---	---	---	180.38	180.52	---	180.78	180.77	180.97	180.69	180.72	---
19	---	---	---	180.47	180.52	---	180.72	180.74	180.86	180.76	180.73	---
20	---	---	---	180.38	180.51	---	180.69	180.77	180.78	180.85	180.79	180.72
21	---	---	---	180.34	180.51	---	180.65	180.78	180.80	180.82	180.84	180.79
22	---	---	---	180.33	180.51	---	180.63	180.69	180.74	180.66	180.77	180.91
23	---	---	---	180.34	180.52	---	180.64	180.68	180.78	180.55	180.63	181.01
24	---	---	---	180.34	180.54	---	180.67	180.72	180.92	180.63	180.69	180.92
25	---	---	---	180.34	180.54	---	180.69	180.79	180.88	180.58	180.80	180.72
26	---	---	---	---	180.52	---	180.69	180.81	180.81	180.74	180.86	180.71
27	---	---	---	---	180.51	---	180.68	180.75	180.86	180.93	180.88	180.74
28	---	---	---	---	180.50	180.71	180.66	180.70	180.92	180.85	180.81	180.83
29	---	---	---	---	180.51	180.71	180.66	180.68	180.90	180.87	180.84	180.87
30	---	---	---	---	180.56	180.67	180.66	180.70	180.86	180.88	181.00	180.97
31	---	---	---	---	180.72	---	180.66	180.81	---	180.81	---	180.95
MEAN	---	---	---	---	---	---	180.69	180.74	180.82	180.78	180.78	---
MAX	---	---	---	---	---	---	180.84	180.81	180.97	180.94	181.00	---
MIN	---	---	---	---	---	---	180.60	180.68	180.67	180.53	180.52	---

WATER LEVEL, IN FEET BELOW LAND SURFACE

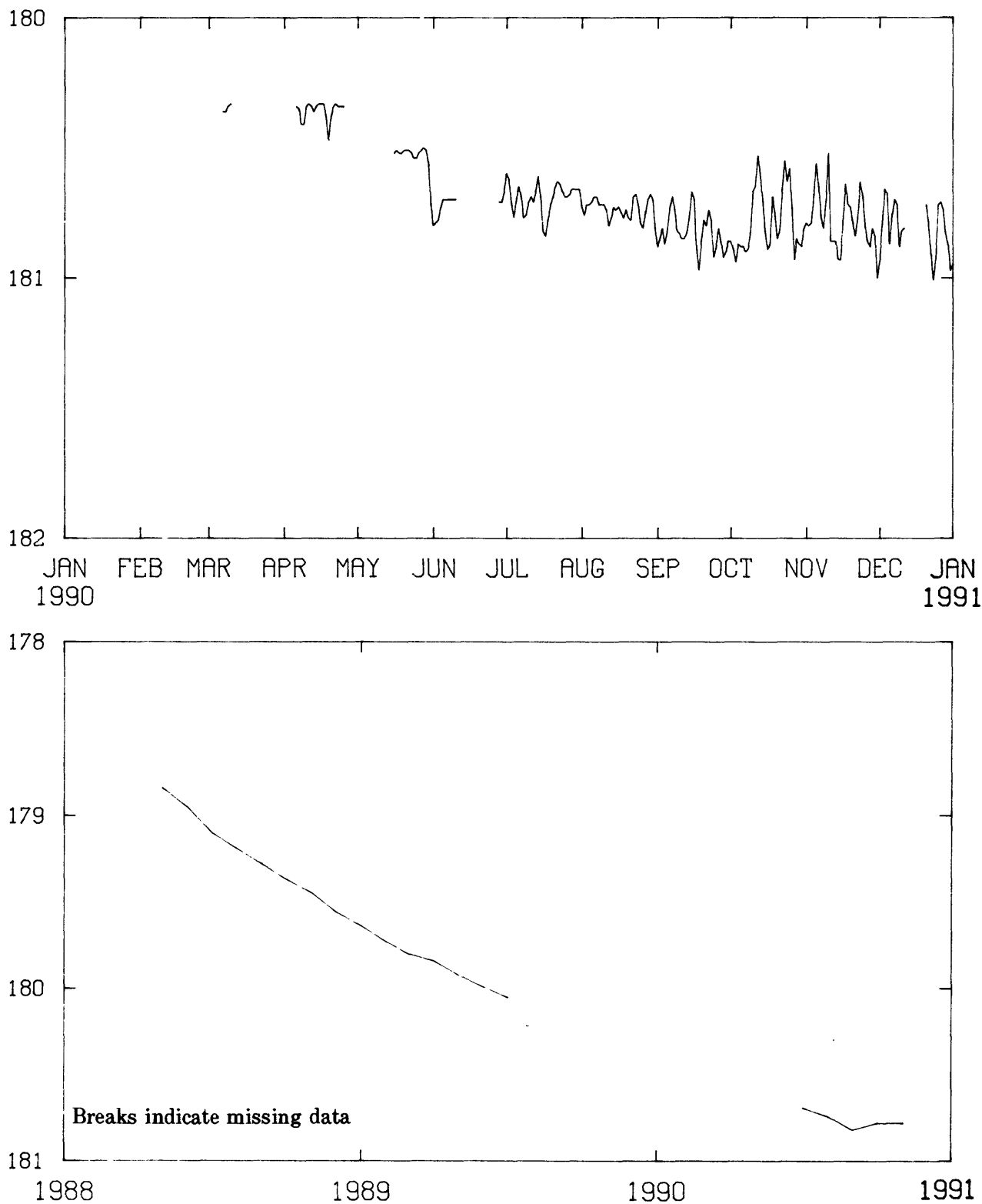


Figure 24.--Water levels in observation well AK-818.

Table 6.--Characteristics and daily mean water level for well BW-78

BARNWELL COUNTY

332358081252000. Local number, BW-78.

LOCATION.--Lat 33°23'58'', long 81°25'20'', Hydrologic Unit 03050207, 26 ft south of West Street, 41 ft east of Elko Street in Williston.

Owner: Town of Williston.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 12 in. from surface to 500 ft, 10 in. from 500 to 785 ft, depth 785 ft, screened intervals 568-578, 599-604, 638-658, 702-712, 734-744, 760-770 ft, gravel packed.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 340 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft above land-surface datum.

REMARKS.--Test hole Gamma logged Aug. 6, 1970 to 808 ft. Resistivity logged Aug. 6, 1970 to 800 ft. Pump test and water-quality data available in District files.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 106.03 ft below land-surface datum, Feb. 12, 1985; lowest, 112.32 ft below land-surface datum, June 5, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	109.89	109.70	109.62	109.69	110.77	111.53	111.41	111.67	111.61	111.69	110.82	110.41
2	109.99	109.65	109.54	109.67	110.96	111.29	111.46	111.77	111.46	111.84	110.92	110.33
3	109.93	109.63	109.44	109.65	111.27	111.07	111.54	111.64	111.43	111.91	110.83	110.29
4	109.89	109.57	109.53	109.72	111.17	110.92	111.56	111.47	111.53	111.91	110.70	110.39
5	109.79	109.69	109.60	110.21	110.96	110.98	111.78	111.47	111.62	111.93	110.68	110.52
6	109.72	109.71	109.64	109.98	110.98	111.02	111.70	111.58	111.63	111.88	110.75	110.40
7	109.73	109.66	109.71	109.90	111.18	111.12	111.77	111.69	111.64	111.86	110.86	110.44
8	109.60	109.68	109.74	109.92	111.34	111.49	111.77	111.81	111.57	111.85	110.92	110.28
9	109.71	109.63	109.71	109.91	111.17	111.21	111.79	111.73	111.45	111.84	110.79	110.28
10	109.72	109.51	109.64	109.68	111.06	110.91	111.83	111.78	111.52	111.80	110.52	110.23
11	109.68	109.55	109.64	109.67	111.18	110.77	112.08	111.62	111.66	111.51	110.56	110.25
12	109.67	109.65	109.66	109.88	111.22	110.78	112.06	111.49	111.74	111.09	110.61	110.24
13	109.74	109.70	109.77	109.98	111.20	110.78	111.98	111.54	111.78	110.95	110.67	110.40
14	109.80	109.70	110.31	109.87	111.26	110.81	111.69	111.68	111.76	110.91	110.69	110.29
15	109.80	109.68	---	109.76	111.31	110.86	111.48	111.69	111.58	110.96	110.70	110.28
16	109.81	109.54	---	109.77	111.32	110.83	111.55	111.71	111.47	111.06	---	110.14
17	109.79	109.49	---	109.85	111.33	110.76	111.66	111.78	111.61	111.06	---	110.13
18	109.76	109.65	---	109.99	111.39	110.69	111.63	111.69	111.77	110.98	110.59	110.08
19	109.75	109.54	---	110.01	111.39	110.79	111.54	111.67	111.80	111.10	110.55	110.07
20	109.71	109.64	---	109.98	111.39	111.08	111.44	111.68	111.86	111.07	110.51	110.15
21	109.65	109.69	---	109.88	111.39	111.12	111.38	111.82	111.85	110.96	110.45	110.11
22	109.68	109.54	---	109.82	111.39	111.33	111.36	111.78	111.69	110.90	110.40	110.01
23	109.70	109.45	---	109.84	111.46	111.00	111.26	111.77	111.57	110.72	110.36	109.96
24	109.69	109.52	---	109.88	111.51	110.88	111.13	111.76	111.69	110.75	110.35	109.97
25	109.64	109.64	---	110.04	111.55	110.86	111.12	111.65	111.76	110.79	110.34	110.05
26	109.67	109.76	---	110.08	111.52	110.97	111.40	111.53	111.81	110.88	110.36	110.07
27	109.75	109.72	---	110.04	111.48	111.10	111.43	111.51	111.86	110.88	110.41	110.01
28	109.71	109.64	---	110.18	111.49	111.20	111.34	111.63	111.90	110.73	110.49	110.00
29	109.60	---	---	110.37	111.46	111.31	111.22	111.70	111.80	110.81	110.55	109.99
30	109.62	---	---	110.51	111.55	111.24	111.28	111.63	111.63	110.91	110.55	109.95
31	109.68	---	109.94	---	111.64	---	111.45	111.56	---	110.83	---	109.94
MEAN	109.74	109.63	---	109.92	111.30	111.02	111.55	111.66	111.67	111.24	---	110.18
MAX	109.99	109.76	---	110.51	111.64	111.53	112.08	111.82	111.90	111.93	---	110.52
MIN	109.60	109.45	---	109.65	110.77	110.69	111.12	111.47	111.43	110.72	---	109.94

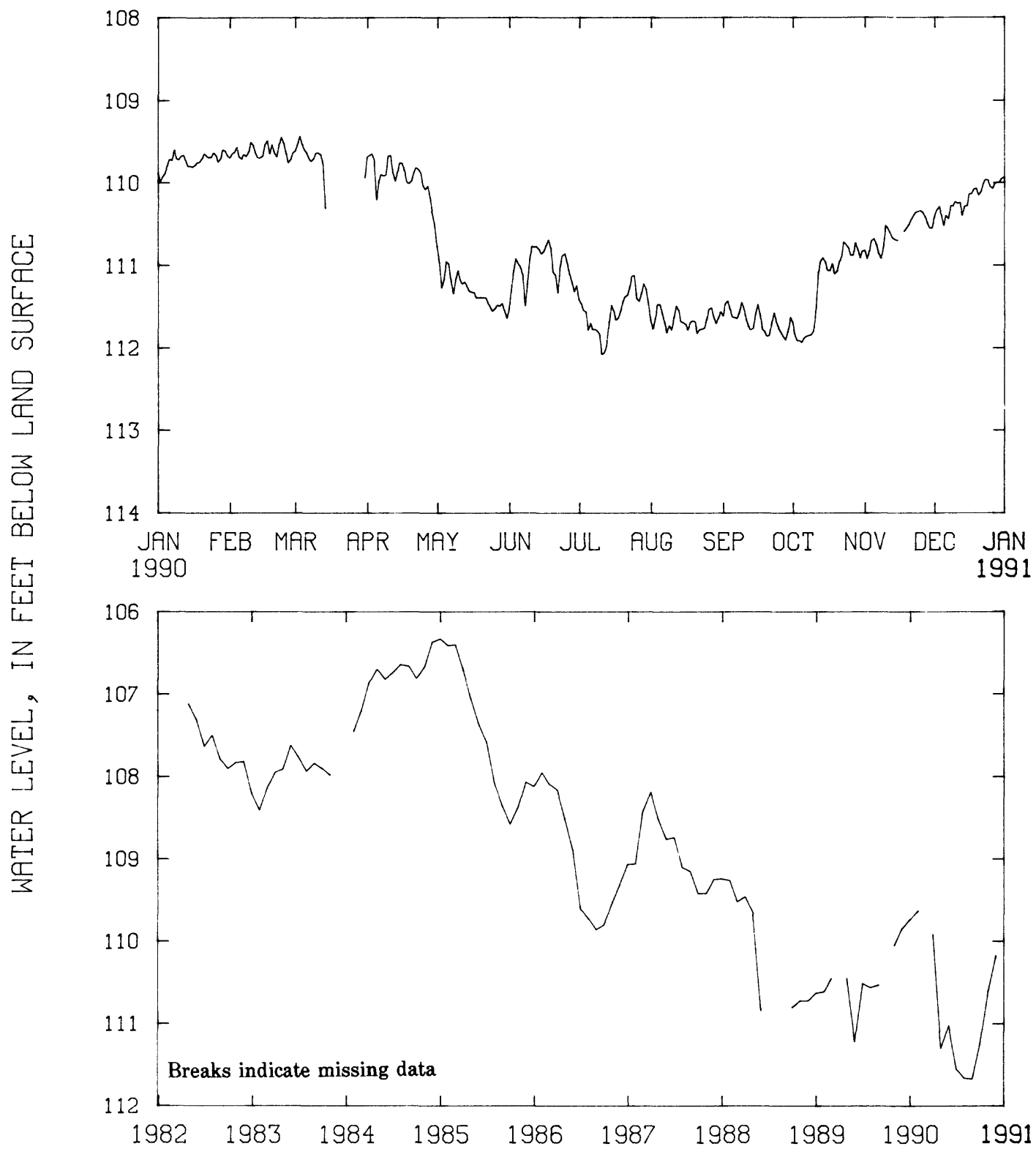


Figure 25.--Water levels in observation well BW-78.

Table 7.--Characteristics and daily mean water level for well BW-349

BARNWELL COUNTY

331037081184301. Local number, BW-349.

LOCATION.--Lat 33°10'42'' , long 81°18'55'', Hydrologic Unit 03050207, 245 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from +3 to 1030 ft, 4 in., 988 to 1045 ft, depth 1045 ft, cased to 1045 ft, screened interval 1030-1040 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 12.34 ft below land-surface datum, Apr. 3, 1990; lowest, 15.19 ft below land-surface datum, Dec. 20, 26, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.86	12.79	12.69	12.42	12.52	12.73	12.72	12.89	12.92	13.13	12.75	12.82
2	13.00	12.74	12.58	12.37	12.56	12.74	12.73	12.92	12.94	13.16	12.76	12.76
3	12.97	12.73	12.46	12.34	12.64	12.67	12.79	12.92	12.95	13.22	12.75	12.67
4	12.90	12.65	12.56	12.36	12.60	12.60	12.83	12.93	13.00	13.17	12.71	12.69
5	12.87	12.76	12.65	12.40	12.49	12.65	12.80	12.94	12.99	13.17	12.61	12.77
6	12.83	12.79	12.68	12.42	12.51	12.71	12.77	12.92	12.95	13.18	12.65	12.72
7	12.81	12.74	12.74	12.49	12.60	12.71	12.80	12.91	12.94	13.21	12.71	12.67
8	12.68	12.77	12.75	12.61	12.65	12.69	12.86	12.93	12.95	13.21	12.74	---
9	12.76	12.71	12.69	12.66	12.59	12.63	12.87	12.90	12.99	13.16	12.64	---
10	12.76	12.58	12.65	12.55	12.46	12.61	12.85	12.90	13.01	12.97	12.48	---
11	12.72	12.65	12.65	12.43	12.60	12.63	12.85	12.92	13.03	12.77	12.69	---
12	12.71	12.74	12.65	12.55	12.64	12.69	12.87	12.96	13.04	12.61	12.69	---
13	12.86	12.77	12.62	12.62	12.58	12.73	12.84	12.96	13.04	12.62	12.72	---
14	12.91	12.76	12.57	12.56	12.60	12.68	12.80	12.96	13.00	12.70	12.78	---
15	12.89	12.73	12.56	12.45	12.64	12.60	12.84	12.95	12.94	12.77	12.79	---
16	12.90	12.69	12.53	12.46	12.62	12.64	12.91	12.88	12.95	12.83	12.73	---
17	12.88	12.72	12.45	12.48	12.59	12.69	12.94	12.91	13.06	12.85	12.66	---
18	12.84	12.77	12.51	12.63	12.63	12.65	12.90	12.93	13.11	12.76	12.70	---
19	12.82	12.65	12.53	12.72	12.64	12.59	12.87	12.93	13.08	12.79	12.71	---
20	12.78	12.71	12.55	12.70	12.58	12.64	12.85	12.96	13.05	12.84	12.72	---
21	12.72	12.76	12.63	12.60	12.57	12.67	12.81	12.97	13.05	12.83	12.75	---
22	12.74	12.60	12.63	12.53	12.54	12.67	12.80	12.91	13.01	12.73	12.71	---
23	12.76	12.48	12.59	12.57	12.63	12.63	12.80	12.86	13.03	12.52	12.61	---
24	12.74	12.58	12.58	12.60	12.67	12.67	12.81	12.88	13.11	12.51	12.65	---
25	12.68	12.75	12.59	12.62	12.70	12.73	12.85	12.92	13.10	12.48	12.71	---
26	12.76	12.85	12.59	12.58	12.65	12.75	12.88	12.93	13.08	12.60	12.74	---
27	12.83	12.79	12.61	12.55	12.58	12.74	12.87	12.90	13.10	12.74	12.75	---
28	12.80	12.71	12.62	12.50	12.51	12.77	12.85	12.88	13.14	12.72	12.71	---
29	12.67	---	12.55	12.49	12.46	12.78	12.85	12.86	13.14	12.75	12.74	---
30	12.72	---	12.51	12.49	12.59	12.76	12.85	12.86	13.12	12.77	12.83	---
31	12.77	---	12.43	---	12.68	---	12.85	12.86	---	12.75	---	---
MEAN	12.80	12.71	12.59	12.52	12.59	12.68	12.84	12.91	13.03	12.86	12.71	---
MAX	13.00	12.85	12.75	12.72	12.70	12.78	12.94	12.97	13.14	13.22	12.83	---
MIN	12.67	12.48	12.43	12.34	12.46	12.59	12.72	12.86	12.92	12.48	12.48	---

WATER LEVEL, IN FEET BELOW LAND SURFACE

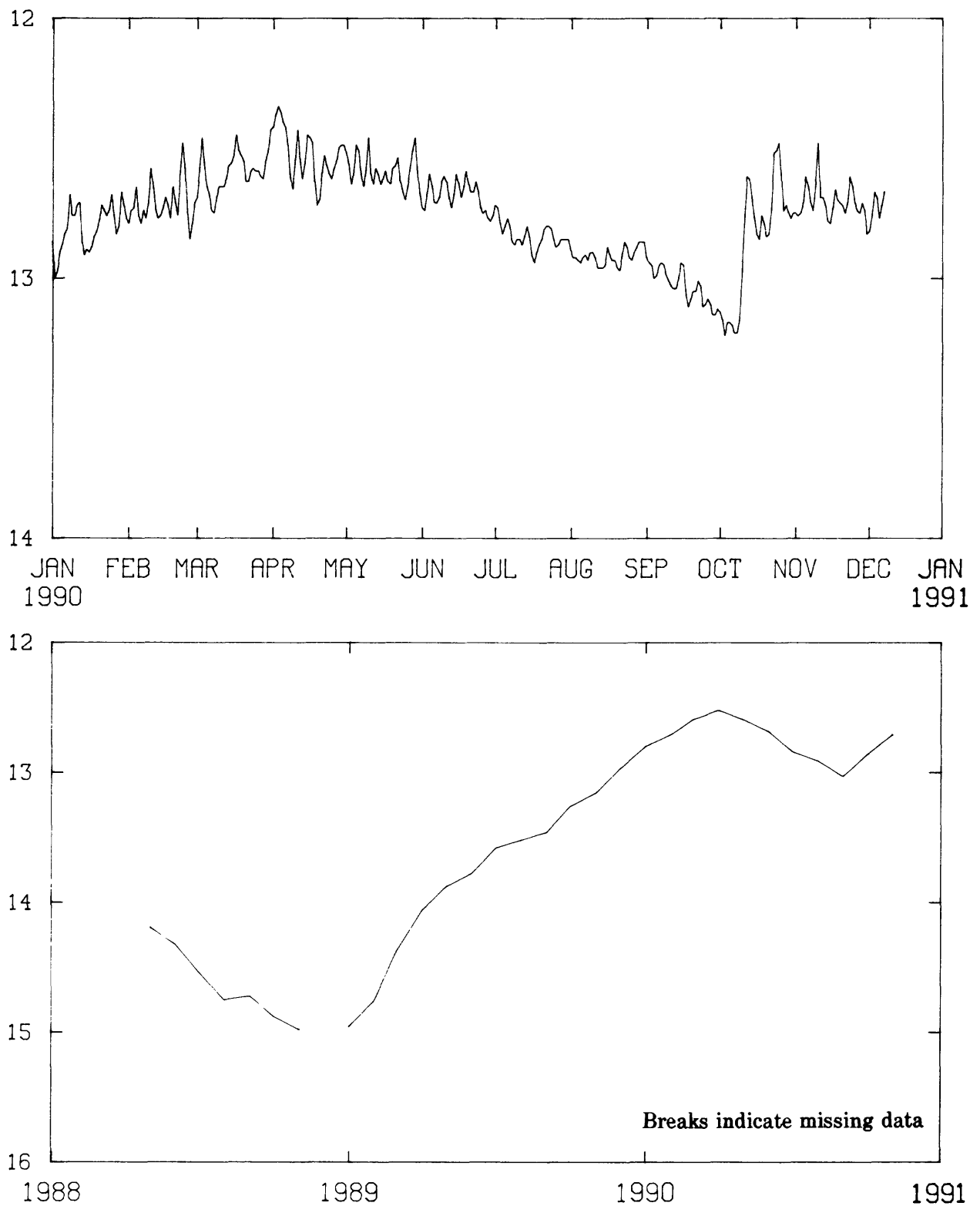


Figure 26.--Water levels in observation well BW-349.

Table 8.--Characteristics and daily mean water level for well BW-350

BARNWELL COUNTY

331039081184201. Local number, BW-350.

LOCATION.--Lat 33°10'45'' , long 81°18'54'', Hydrologic Unit 03050207, 50 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Tertiary System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from +3 ft to 150 ft, 4 in., 113 to 155 ft, depth 170 ft, cased to 170 ft, screened interval 155-165 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 31.91 ft below land-surface datum, Mar. 31, Apr. 2, 1990; lowest, 35.04 ft below land-surface datum, Apr. 1, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.57	32.24	32.07	31.93	32.06	32.40	32.62	32.96	33.29	33.63	33.49	33.08
2	32.57	32.21	32.00	31.91	32.08	32.39	32.66	32.96	33.29	33.65	33.48	33.05
3	32.49	32.20	32.00	31.92	32.11	32.36	32.69	32.96	33.30	33.67	33.44	33.02
4	32.46	32.16	32.10	31.93	32.08	32.36	32.69	32.98	33.33	33.65	33.38	33.08
5	32.47	32.28	32.10	31.95	32.05	32.42	32.67	32.98	33.32	33.68	33.32	33.08
6	32.46	32.21	32.08	31.94	32.10	32.43	32.68	32.98	33.32	33.69	33.40	33.02
7	32.43	32.17	32.11	31.98	32.14	32.43	32.72	33.00	33.34	33.71	33.38	33.02
8	32.41	32.19	32.07	32.01	32.15	32.42	32.73	33.01	33.36	33.72	33.38	33.04
9	32.48	32.13	32.01	32.00	32.11	32.44	32.73	33.02	33.38	33.71	33.26	33.07
10	32.40	32.11	32.02	31.92	32.09	32.44	32.73	33.03	33.38	33.64	33.27	33.02
11	32.34	32.18	32.03	31.92	32.19	32.47	32.74	33.05	33.40	33.68	33.40	33.04
12	32.37	32.20	32.02	32.00	32.18	32.50	32.75	33.07	33.41	33.42	33.28	33.02
13	32.55	32.17	32.00	32.01	32.16	32.49	32.74	33.07	33.42	33.38	33.30	33.01
14	32.47	32.15	31.99	31.95	32.20	32.46	32.75	33.08	33.41	33.53	33.31	33.06
15	32.42	32.12	31.99	31.93	32.21	32.46	32.79	33.08	33.41	33.63	33.26	33.02
16	32.41	32.12	31.97	31.96	32.20	32.52	32.81	33.09	33.45	33.70	33.18	33.01
17	32.38	32.17	31.95	31.96	32.20	32.53	32.81	33.11	33.50	33.69	33.17	33.01
18	32.35	32.15	32.02	32.05	32.24	32.51	32.81	33.12	33.49	33.59	33.21	32.96
19	32.37	32.08	31.98	32.05	32.23	32.51	32.82	33.13	33.47	33.73	33.19	33.06
20	32.33	32.17	32.00	32.01	32.22	32.55	32.81	33.15	33.49	33.75	33.19	33.07
21	32.30	32.15	32.01	31.97	32.24	32.56	32.82	33.15	33.51	33.71	33.18	33.02
22	32.35	31.98	31.98	31.98	32.25	32.56	32.84	33.14	33.50	33.63	33.13	33.01
23	32.33	32.00	31.96	32.01	32.29	32.55	32.85	33.16	33.54	33.55	33.10	33.00
24	32.29	32.15	31.96	32.02	32.30	32.59	32.86	33.19	33.57	33.50	33.15	33.05
25	32.26	32.25	31.97	32.03	32.31	32.61	32.88	33.21	33.55	33.40	33.14	33.08
26	32.36	32.22	31.96	32.01	32.28	32.61	32.89	33.21	33.56	33.59	33.14	33.08
27	32.33	32.09	31.97	32.01	32.27	32.61	32.89	33.21	33.59	33.69	33.12	33.06
28	32.26	32.04	31.96	32.00	32.27	32.63	32.90	33.22	33.61	33.56	33.09	33.05
29	32.19	---	31.93	32.04	32.31	32.63	32.91	33.23	33.60	33.59	33.11	33.06
30	32.28	---	31.93	32.04	32.37	32.63	32.92	33.25	33.61	33.57	33.14	33.03
31	32.28	---	31.91	---	32.39	---	32.93	33.27	---	33.50	---	33.07
MEAN	32.39	32.15	32.00	31.98	32.20	32.50	32.79	33.10	33.45	33.62	33.25	33.04
MAX	32.57	32.28	32.11	32.05	32.39	32.63	32.93	33.27	33.61	33.75	33.49	33.08
MIN	32.19	31.98	31.91	31.91	32.05	32.36	32.62	32.96	33.29	33.38	33.09	32.96

CAL YR 1990 MEAN 32.71 HIGH 31.91 LOW 33.75

WATER LEVEL, IN FEET BELOW LAND SURFACE

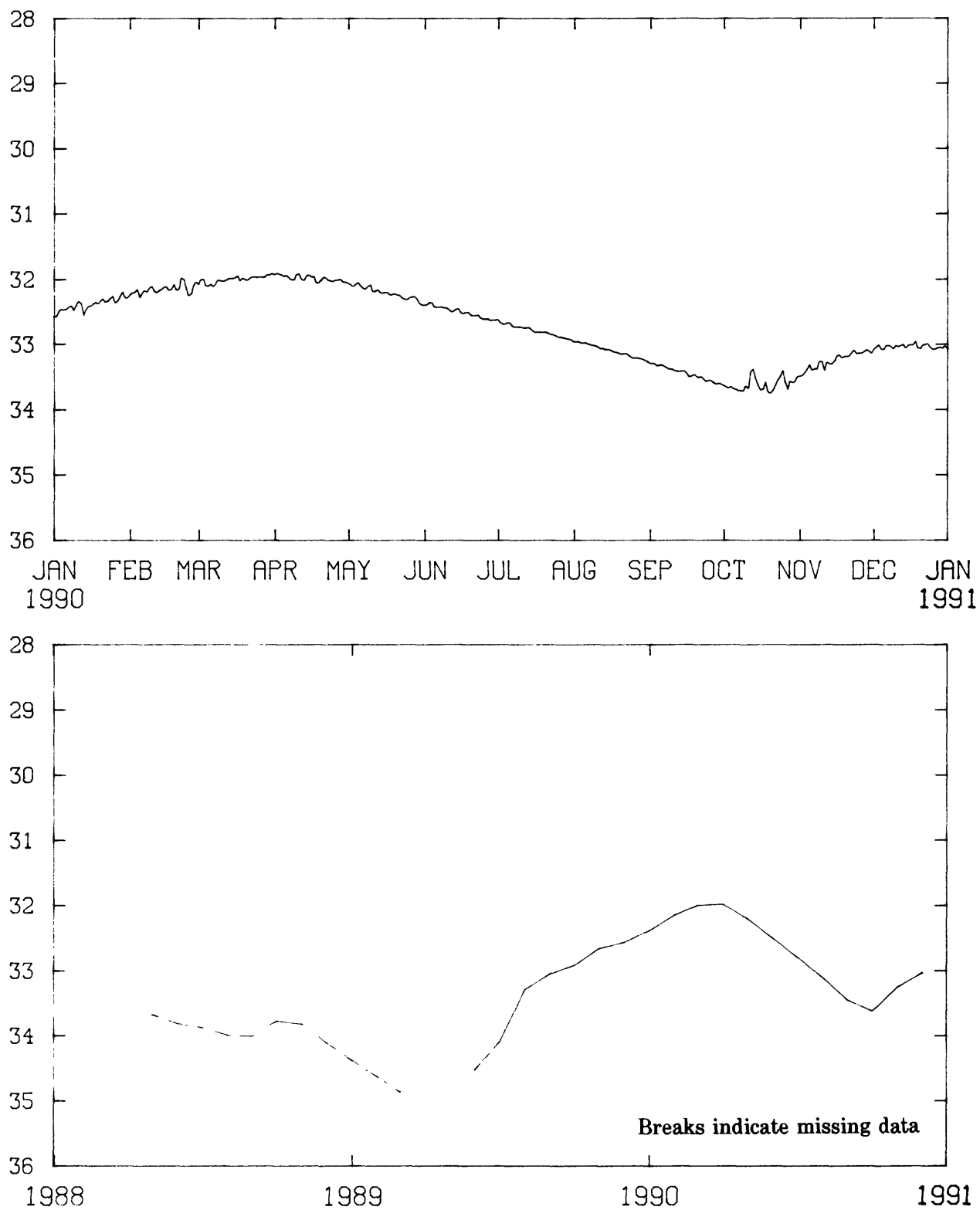


Figure 27.--Water levels in observation well BW-350.

Table 9.--Characteristics and daily mean water level for BW-351

BARNWELL COUNTY

331038081184201. Local number, BW-351.

LOCATION.--Lat 33°10'43'', long 81°18'53'', Hydrologic Unit 03050207, 50 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Tertiary System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from +3 ft to 80 ft, 4 in., 38 to 95 ft, depth 95 ft, cased to 95 ft, screened interval 80-90 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 31.35 ft below land-surface datum, Apr. 2, 1990; lowest, 34.32 ft below land-surface datum, Apr. 12, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	31.98	31.65	31.53	31.37	31.52	31.86	32.07	32.40	32.70	33.03	32.85	32.39
2	31.94	31.63	31.43	31.35	31.55	31.86	32.11	32.40	32.70	33.06	32.82	32.36
3	31.87	31.62	31.48	31.37	31.58	31.83	32.13	32.41	32.71	33.07	32.77	32.35
4	31.85	31.60	31.56	31.37	31.54	31.83	32.13	32.42	32.74	33.07	32.71	32.38
5	31.88	31.70	31.54	31.39	31.52	31.89	32.12	32.43	32.72	33.09	32.66	32.41
6	31.88	31.62	31.53	31.38	31.57	31.89	32.13	32.43	32.73	33.10	32.73	32.35
7	31.84	31.60	31.57	31.44	31.61	31.89	32.16	32.45	32.75	33.11	32.68	32.34
8	31.84	31.61	31.50	31.45	31.62	31.90	32.17	32.46	32.77	33.12	32.68	32.35
9	31.87	31.55	31.47	31.43	31.58	31.90	32.17	32.46	32.78	33.12	32.55	32.39
10	31.80	31.55	31.48	31.36	31.57	31.90	32.18	32.48	32.79	33.11	32.62	32.35
11	31.72	31.60	31.48	31.40	31.66	31.93	32.19	32.50	32.81	33.09	32.68	32.35
12	31.83	31.62	31.47	31.44	31.65	31.95	32.20	32.51	32.81	32.71	32.56	32.35
13	31.98	31.59	31.46	31.44	31.64	31.95	32.19	32.51	32.82	32.74	32.59	32.33
14	31.87	31.57	31.44	31.39	31.67	31.92	32.20	32.52	32.82	32.95	32.60	32.36
15	31.84	31.54	31.44	31.38	31.68	31.93	32.24	32.53	32.82	33.08	32.54	32.37
16	31.84	31.55	31.41	31.42	31.68	31.98	32.25	32.52	32.86	33.16	32.47	32.34
17	31.81	31.60	31.43	31.41	31.68	31.98	32.25	32.53	32.90	33.14	32.48	32.35
18	31.80	31.56	31.46	31.50	31.72	31.96	32.25	32.53	32.89	33.06	32.51	32.32
19	31.82	31.52	31.40	31.49	31.71	31.97	32.26	32.54	32.88	33.20	32.48	32.35
20	31.77	31.61	31.46	31.46	31.70	32.01	32.26	32.56	32.90	33.20	32.49	32.42
21	31.76	31.55	31.43	31.43	31.71	32.01	32.27	32.56	32.91	33.15	32.48	32.39
22	31.79	31.39	31.41	31.45	31.72	32.01	32.28	32.57	32.91	33.08	32.43	32.37
23	31.76	31.44	31.40	31.47	31.76	32.01	32.29	32.58	32.95	32.98	32.40	32.36
24	31.73	31.61	31.40	31.48	31.77	32.04	32.31	32.60	32.96	32.88	32.45	32.36
25	31.71	31.69	31.40	31.49	31.78	32.06	32.33	32.62	32.95	32.81	32.44	32.42
26	31.80	31.64	31.40	31.48	31.76	32.06	32.33	32.62	32.97	33.04	32.44	32.42
27	31.74	31.51	31.41	31.48	31.75	32.06	32.33	32.62	33.00	33.11	32.42	32.43
28	31.68	31.48	31.38	31.47	31.75	32.08	32.34	32.63	33.01	32.95	32.40	32.42
29	31.63	---	31.38	31.50	31.79	32.08	32.35	32.64	33.01	32.98	32.41	32.43
30	31.70	---	31.36	31.50	31.84	32.08	32.36	32.67	33.02	32.93	32.46	32.42
31	31.71	---	31.37	---	31.85	---	32.37	32.69	---	32.86	---	32.42
MEAN	31.81	31.58	31.45	31.43	31.68	31.96	32.23	32.53	32.85	33.03	32.56	32.38
MAX	31.98	31.70	31.57	31.50	31.85	32.08	32.37	32.69	33.02	33.20	32.85	32.43
MIN	31.63	31.39	31.36	31.35	31.52	31.83	32.07	32.40	32.70	32.71	32.40	32.32

CAL YR 1990 MEAN 32.13 HIGH 31.35 LOW 33.20

WATER LEVEL, IN FEET BELOW LAND SURFACE

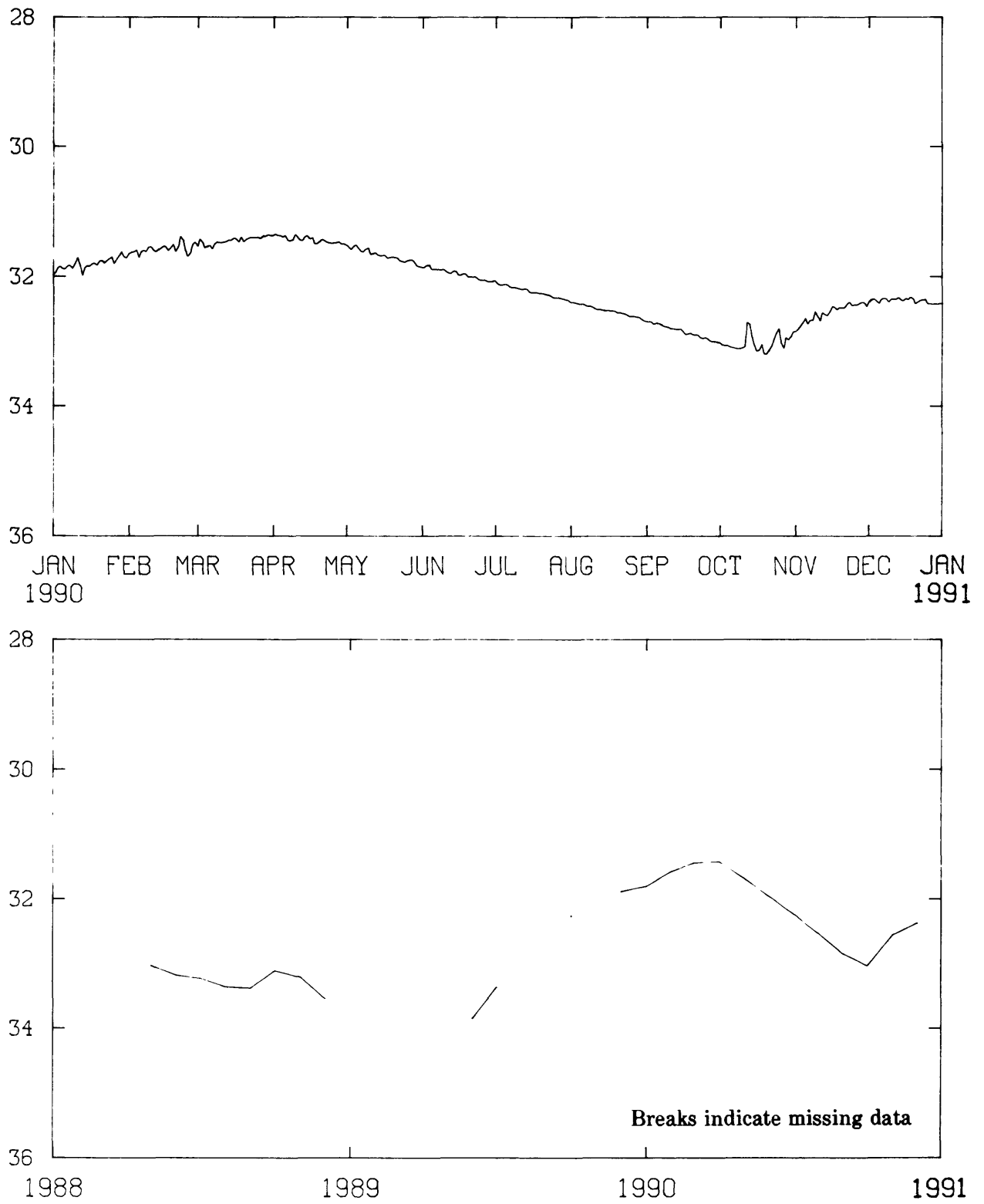


Figure 28.--Water levels in observation well BW-351.

Table 10.--Characteristics and daily mean water level for well BW-353

BARNWELL COUNTY

331043081185401. Local number, BW-353.

LOCATION.--Lat 33°10'43'', long 81°18'54'', Hydrologic Unit 03050207, 150 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Pee Dee Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from surface to 565 ft, 4 in., 543-573, 583-588 ft, depth 590 ft, cased to 588 ft, screened interval from 573 to 583 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.94 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 33.99 ft below land-surface datum, Apr. 3, 1990; lowest, 36.94 ft below land-surface datum, Oct. 8, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	34.89	34.55	34.32	34.04	34.14	34.53	35.19	36.15	36.36	---	36.47	36.34
2	34.98	34.50	34.24	34.02	34.18	34.55	35.23	36.19	36.38	---	36.47	36.29
3	34.95	34.48	34.15	33.99	34.24	34.52	35.33	36.19	36.39	---	36.46	36.22
4	34.88	34.40	34.22	34.01	34.22	34.49	35.39	36.21	36.43	36.87	36.41	36.21
5	34.85	34.49	34.27	34.03	34.16	34.54	35.40	36.23	36.44	36.88	36.34	36.28
6	34.79	34.52	34.29	34.05	34.18	34.60	35.42	36.22	36.42	36.90	36.37	36.23
7	34.75	34.47	34.35	34.09	34.25	34.61	35.48	36.23	36.41	36.93	36.40	36.18
8	34.60	34.49	34.36	34.18	34.29	34.59	35.56	36.25	36.42	36.94	36.42	36.16
9	34.66	34.44	34.30	34.21	34.26	34.54	35.60	36.22	36.45	36.93	36.34	36.22
10	34.65	34.33	34.26	34.14	34.17	34.55	35.62	36.23	36.47	36.72	36.20	36.19
11	34.62	34.37	34.25	34.04	34.28	34.59	35.64	36.26	36.49	36.47	36.33	36.19
12	34.59	34.44	34.26	34.13	34.31	34.65	35.68	36.30	---	36.31	36.33	36.19
13	34.71	34.48	34.23	34.18	34.28	34.71	35.69	36.32	---	36.33	36.36	36.15
14	34.75	34.46	34.20	34.14	34.30	34.69	35.68	36.33	---	36.41	36.41	36.19
15	34.73	34.43	34.19	34.06	34.33	34.66	35.73	36.33	---	36.50	---	36.19
16	34.72	34.38	34.17	34.06	34.33	34.70	35.83	36.26	---	36.58	36.36	36.15
17	34.70	34.39	34.10	34.08	34.31	34.77	35.87	36.29	---	36.60	36.30	36.14
18	34.66	34.44	34.13	34.18	34.35	34.77	35.85	36.31	---	36.53	36.32	36.04
19	34.64	34.31	34.15	34.25	34.35	34.77	35.86	36.32	---	36.56	36.32	36.08
20	34.62	34.36	34.16	34.24	34.33	34.83	35.86	36.35	---	36.61	36.33	36.15
21	34.54	34.41	34.22	34.17	34.32	34.88	35.83	36.37	---	36.61	36.35	36.12
22	34.56	34.27	34.22	34.12	34.30	34.91	35.86	36.34	---	36.51	36.31	36.08
23	34.57	34.18	34.19	34.15	34.37	34.91	35.88	36.30	---	36.30	36.24	36.03
24	34.54	34.24	34.18	34.17	34.40	34.96	35.92	36.32	---	36.27	36.25	36.04
25	34.49	34.38	34.18	34.18	34.43	35.02	35.97	36.36	---	36.26	36.28	36.13
26	34.53	34.47	34.18	34.17	34.41	35.07	36.02	36.38	---	36.36	36.30	36.16
27	34.60	34.43	34.20	34.15	34.36	35.09	36.03	36.37	---	36.47	36.31	36.15
28	34.57	34.35	34.21	34.11	34.31	35.14	36.04	36.35	---	36.45	36.26	36.12
29	34.45	---	34.15	34.11	34.28	35.18	36.06	36.34	---	36.48	36.27	36.10
30	34.48	---	34.12	34.12	34.39	35.20	36.08	36.35	---	36.50	36.36	36.04
31	34.53	---	34.06	---	34.47	---	36.09	36.31	---	36.48	---	36.02
MEAN	34.66	34.41	34.21	34.12	34.30	34.77	35.73	36.29	---	---	---	36.15
MAX	34.98	34.55	34.36	34.25	34.47	35.20	36.09	36.38	---	---	---	36.34
MIN	34.45	34.18	34.06	33.99	34.14	34.49	35.19	36.15	---	---	---	36.02

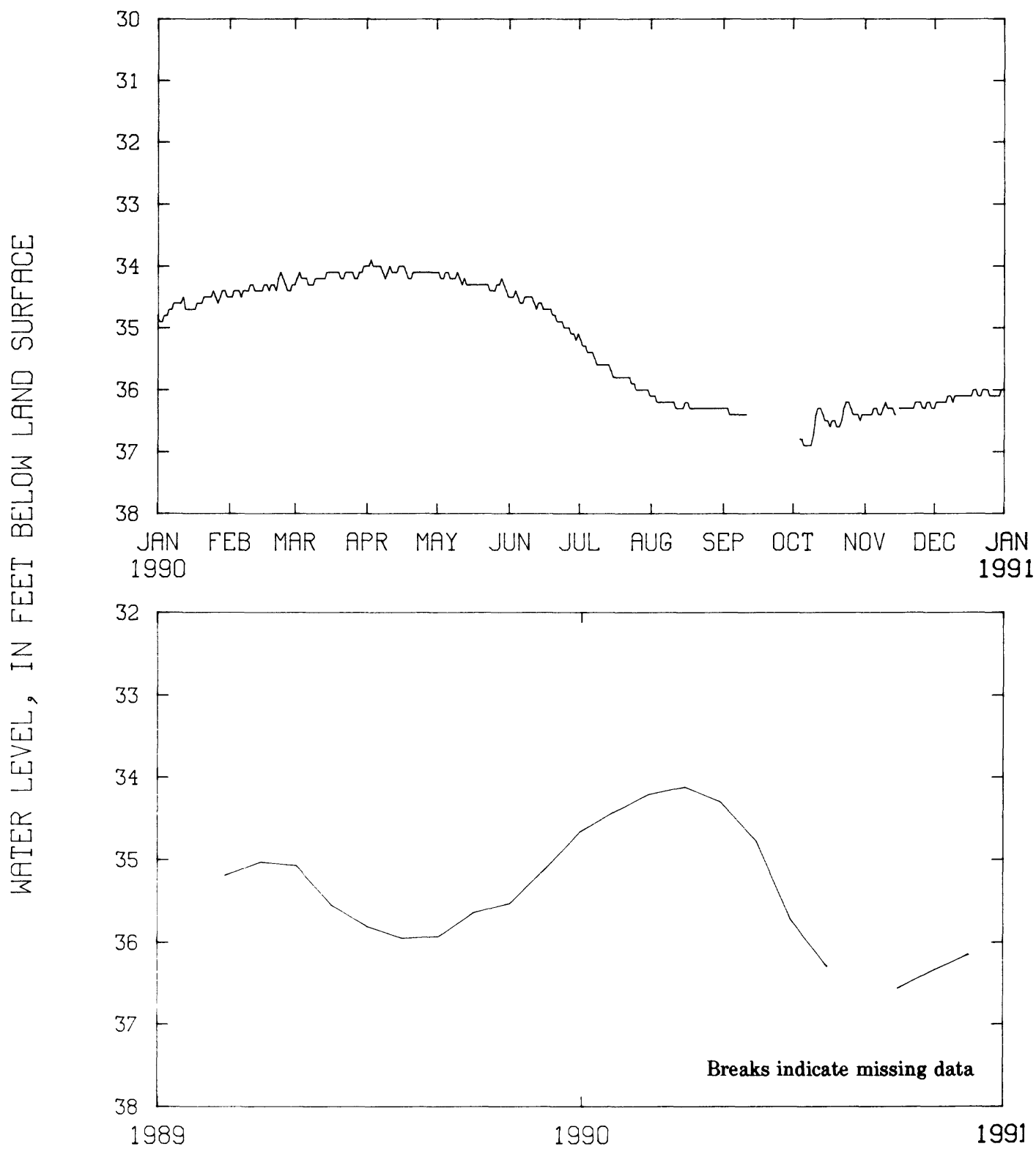


Figure 29.--Water levels in observation well BW-353.

Table 11.--Characteristics and daily mean water level for well BW-354

BARNWELL COUNTY

331044081185401. Local number, BW-354.

LOCATION.--Lat 33°10'44'', long 81°18'54'', Hydrologic Unit 03050207, 100 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Lower Congaree Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from surface to 390 ft, 4 in., 366-390, 406-411 ft, depth 415 ft, cased to 411 ft, screened interval from 396 to 406 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.04 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 42.78 ft below land-surface datum, Feb. 23, Mar. 3, Apr. 3, 1990; lowest, 45.98 ft below land-surface datum, Aug. 20, 21, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	43.01	42.89	42.80	43.11	43.82	44.59	---	45.60	---	44.63	44.06
2	---	42.98	42.85	42.79	43.14	43.85	44.68	---	45.59	---	44.62	44.05
3	---	42.98	42.78	42.78	43.18	43.83	44.82	---	45.49	---	44.62	44.01
4	---	42.92	42.82	42.80	43.18	43.80	44.95	---	45.47	45.60	44.59	43.96
5	---	42.96	42.86	42.82	43.16	43.84	45.04	---	45.48	45.59	44.57	43.92
6	---	43.00	42.88	42.84	43.17	43.89	45.11	---	45.49	45.59	44.55	43.95
7	---	42.97	42.91	42.87	43.20	43.92	45.23	---	45.52	45.59	44.54	43.93
8	---	42.98	42.93	42.93	43.25	43.92	45.34	---	45.56	45.58	44.50	43.90
9	---	42.96	42.89	42.96	43.25	43.86	45.46	---	45.59	45.56	44.43	43.86
10	---	42.89	42.87	42.93	43.18	43.91	---	---	45.62	45.35	44.42	43.89
11	---	42.91	42.87	42.86	43.24	43.96	---	---	45.60	45.03	44.43	43.88
12	---	42.95	42.87	42.91	43.28	44.01	---	---	45.60	44.82	44.42	43.87
13	---	42.97	42.89	42.95	43.26	44.06	---	---	45.63	44.78	44.33	43.87
14	---	42.97	42.90	42.95	43.27	44.08	---	---	45.69	44.79	44.24	43.84
15	---	42.96	42.89	42.91	43.30	44.05	---	---	45.70	44.79	44.26	43.85
16	---	42.93	42.88	42.92	43.31	44.05	---	---	45.67	44.79	44.27	43.86
17	---	42.91	42.83	42.95	43.30	44.11	---	45.95	45.65	44.80	44.23	43.83
18	---	42.94	42.83	43.01	43.31	44.14	---	45.96	45.64	44.83	44.18	43.82
19	---	42.85	42.86	43.07	43.33	44.15	---	45.96	45.60	44.86	44.18	43.77
20	43.06	42.87	42.87	43.08	43.34	44.19	---	45.98	45.63	44.94	44.18	43.76
21	43.01	42.91	42.91	43.04	43.36	44.24	---	45.98	45.65	45.01	44.17	43.81
22	43.01	42.83	42.92	43.01	43.38	44.26	---	45.93	45.63	45.02	44.17	43.80
23	43.02	42.78	42.90	43.04	43.48	44.26	---	45.88	45.62	44.94	44.15	43.75
24	43.01	42.81	42.90	43.06	43.56	44.28	---	45.87	45.63	44.95	44.06	43.72
25	42.98	42.90	42.91	43.08	43.62	44.31	---	45.88	45.65	44.96	44.04	43.72
26	42.98	42.96	42.91	43.08	43.64	44.34	---	45.87	45.63	44.88	44.05	43.77
27	43.02	42.94	42.92	43.08	43.65	44.36	---	45.83	45.61	44.62	44.07	43.79
28	43.01	42.90	42.93	43.07	43.64	44.39	---	45.78	45.61	44.54	44.07	43.80
29	42.95	---	42.89	43.06	43.62	44.51	---	45.74	---	44.48	44.02	43.78
30	42.95	---	42.87	43.08	43.70	44.55	---	45.71	---	44.54	44.01	43.76
31	42.98	---	42.81	---	43.77	---	---	45.60	---	44.63	---	43.73
MEAN	---	42.93	42.88	42.96	43.36	44.10	---	---	---	---	44.30	43.85
MAX	---	43.01	42.93	43.08	43.77	44.55	---	---	---	---	44.63	44.06
MIN	---	42.78	42.78	42.78	43.11	43.80	---	---	---	---	44.01	43.72

WATER LEVEL, IN FEET BELOW LAND SURFACE

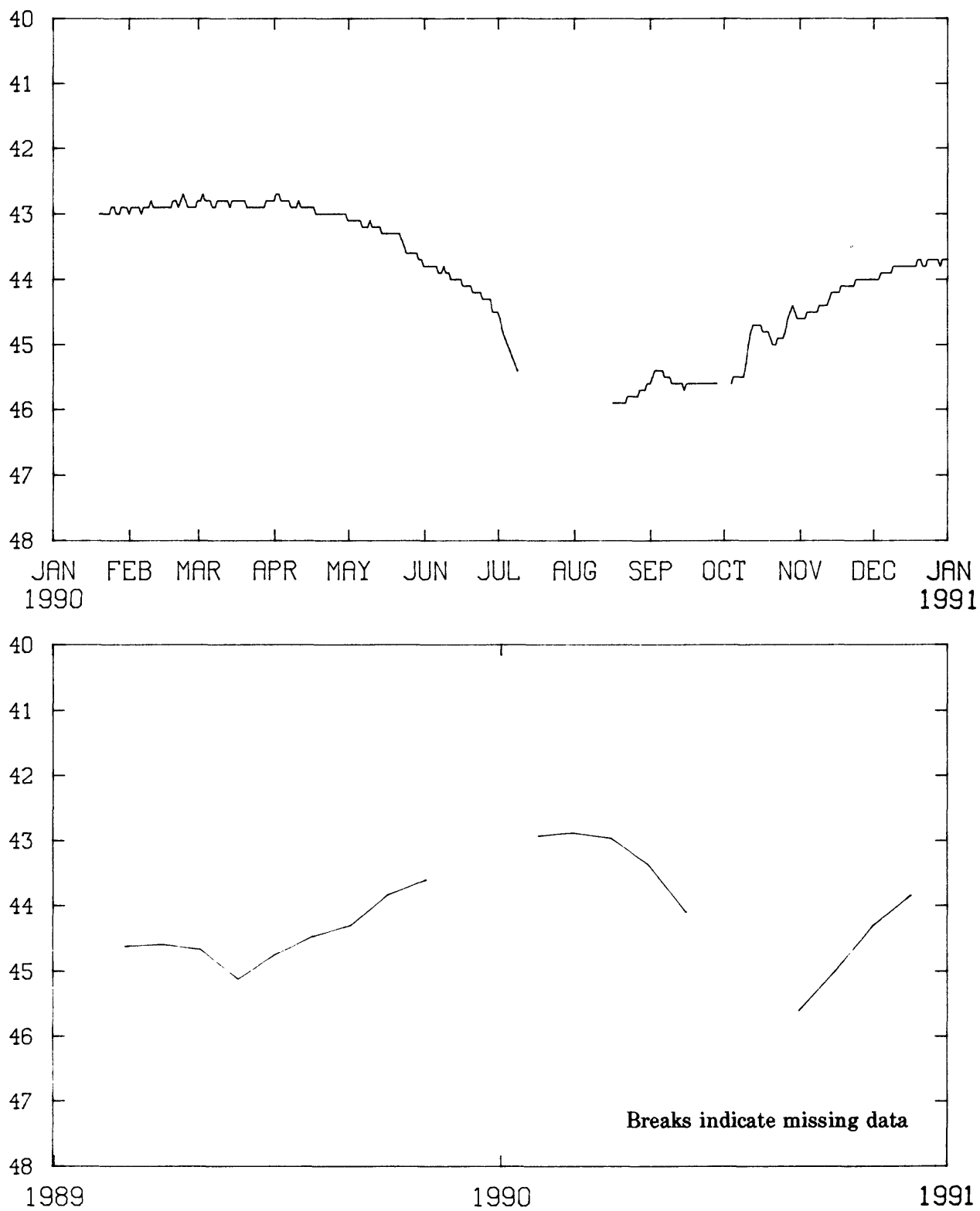


Figure 30.--Water levels in observation well BW-354.

Table 12.--Characteristics and daily mean water level for well BW-355

BARNWELL COUNTY

331044081185501. Local number, BW-355.

LOCATION.--Lat 33°10'44'', long 81°18'55'', Hydrologic Unit 03050207, 150 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Upper Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from surface to 670 ft, 4 in., 654-686, 696-701 ft, depth 701 ft, cased to 701 ft, screened interval from 686 to 696 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.97 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 34.40 ft below land-surface datum, Apr. 3, 1990; lowest, 37.31 ft below land-surface datum, Oct. 8, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	35.26	34.95	34.74	34.46	34.56	34.94	35.63	36.58	36.77	37.17	36.88	36.75
2	35.35	34.90	34.66	34.43	34.59	34.97	35.67	36.62	36.80	37.21	36.88	36.69
3	35.31	34.88	34.56	34.40	34.65	34.93	35.77	36.63	36.81	37.25	36.87	36.60
4	35.25	34.81	34.63	34.42	34.64	34.90	35.83	36.65	36.86	37.24	36.82	36.60
5	35.22	34.90	34.69	34.45	34.57	34.95	35.85	36.67	36.86	37.25	36.75	36.67
6	35.16	34.93	34.71	34.46	34.59	35.00	35.86	36.66	36.83	37.27	36.77	36.61
7	35.11	34.87	34.76	34.51	34.66	35.02	35.91	36.67	36.82	37.30	36.81	36.57
8	34.97	34.90	34.77	34.59	34.71	35.00	35.99	36.70	36.84	37.31	36.83	36.54
9	35.02	34.84	34.71	34.62	34.68	34.95	36.02	36.66	36.87	37.30	36.74	36.61
10	35.02	34.74	34.67	34.55	34.59	34.96	36.04	36.67	36.89	37.12	36.58	36.58
11	34.98	34.78	34.67	34.45	34.69	35.00	36.06	36.70	36.91	36.88	36.73	36.58
12	34.96	34.84	34.67	34.54	34.73	35.06	36.10	36.75	36.93	36.72	36.73	36.57
13	35.09	34.88	34.65	34.59	34.69	35.11	36.11	36.77	36.93	36.73	36.76	36.54
14	35.12	34.87	34.61	34.55	34.72	35.10	36.10	36.78	36.91	36.82	36.82	36.58
15	35.10	34.84	34.61	34.47	34.75	35.07	36.15	36.78	36.87	36.90	36.83	36.57
16	35.09	34.79	34.58	34.48	34.75	35.10	36.24	36.68	36.88	36.98	36.76	36.53
17	35.06	34.80	34.51	34.49	34.73	35.17	36.28	36.69	36.97	37.01	36.70	36.52
18	35.03	34.84	34.54	34.60	34.76	35.18	36.26	36.72	37.04	36.93	36.73	36.41
19	35.03	34.72	34.56	34.67	34.77	35.17	36.27	36.73	37.02	36.96	36.72	36.46
20	35.02	34.77	34.57	34.65	34.74	35.23	36.27	36.76	37.00	37.01	36.73	36.54
21	34.95	34.81	34.63	34.58	34.73	35.29	36.25	36.78	37.01	37.01	36.75	36.51
22	34.97	34.68	34.63	34.53	34.72	35.32	36.27	36.74	36.99	36.92	36.71	36.46
23	34.98	34.60	34.60	34.56	34.78	35.31	36.28	36.70	37.00	36.71	36.63	36.40
24	34.95	34.66	34.59	34.58	34.81	35.37	36.32	36.73	37.08	36.68	36.64	36.42
25	34.89	34.79	34.60	34.60	34.83	35.44	36.38	36.77	37.09	36.65	36.68	36.52
26	34.94	34.88	34.60	34.58	34.81	35.48	36.44	36.78	37.07	36.77	36.71	36.54
27	35.01	34.83	34.61	34.57	34.77	35.51	36.46	36.77	37.11	36.87	36.72	36.54
28	34.97	34.76	34.62	34.53	34.73	35.56	36.47	36.76	37.15	36.86	36.66	36.51
29	34.86	---	34.57	34.52	34.69	35.61	36.49	36.75	37.16	36.88	36.67	36.48
30	34.89	---	34.54	34.53	34.80	35.63	36.51	36.75	37.16	36.90	36.76	36.41
31	34.94	---	34.47	---	34.87	---	36.53	36.72	---	36.88	---	36.39
MEAN	35.05	34.82	34.62	34.53	34.71	35.18	36.16	36.71	36.95	36.98	36.75	36.54
MAX	35.35	34.95	34.77	34.67	34.87	35.63	36.53	36.78	37.16	37.31	36.88	36.75
MIN	34.86	34.60	34.47	34.40	34.56	34.90	35.63	36.58	36.77	36.65	36.58	36.39

CAL YR 1990 MEAN 35.76 HIGH 34.40 LOW 37.31

WATER LEVEL, IN FEET BELOW LAND SURFACE

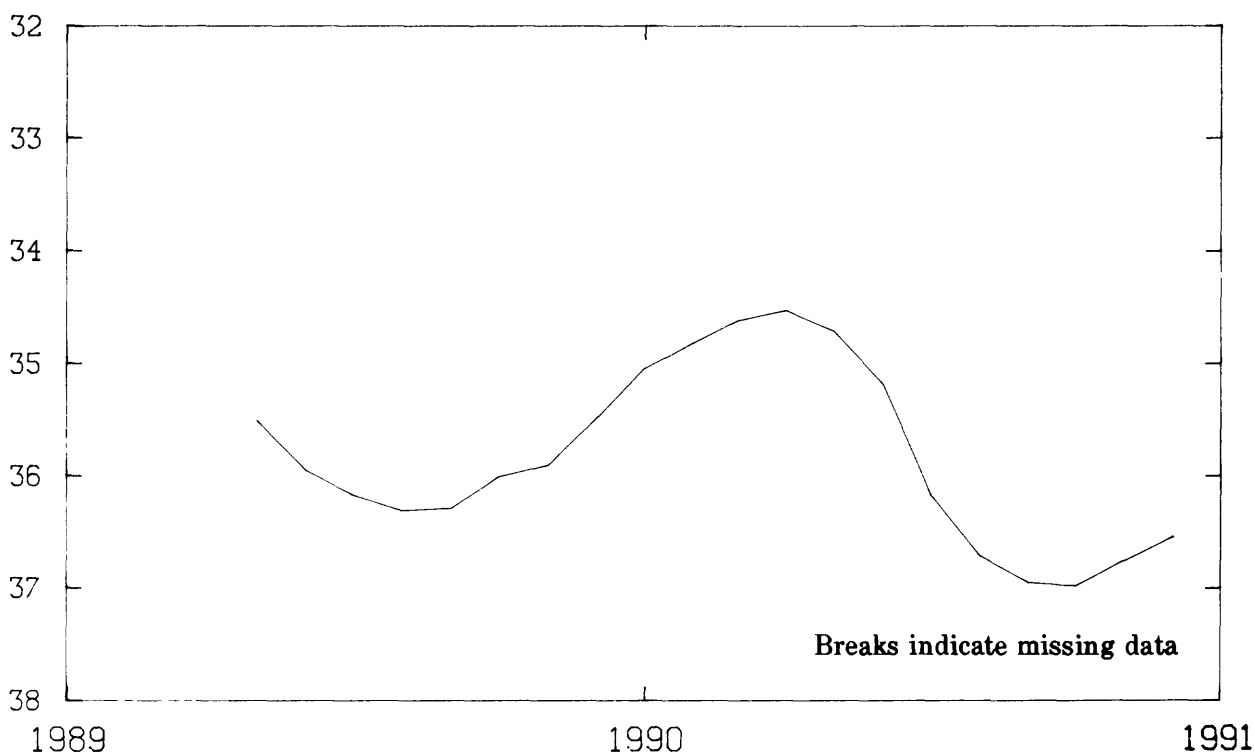
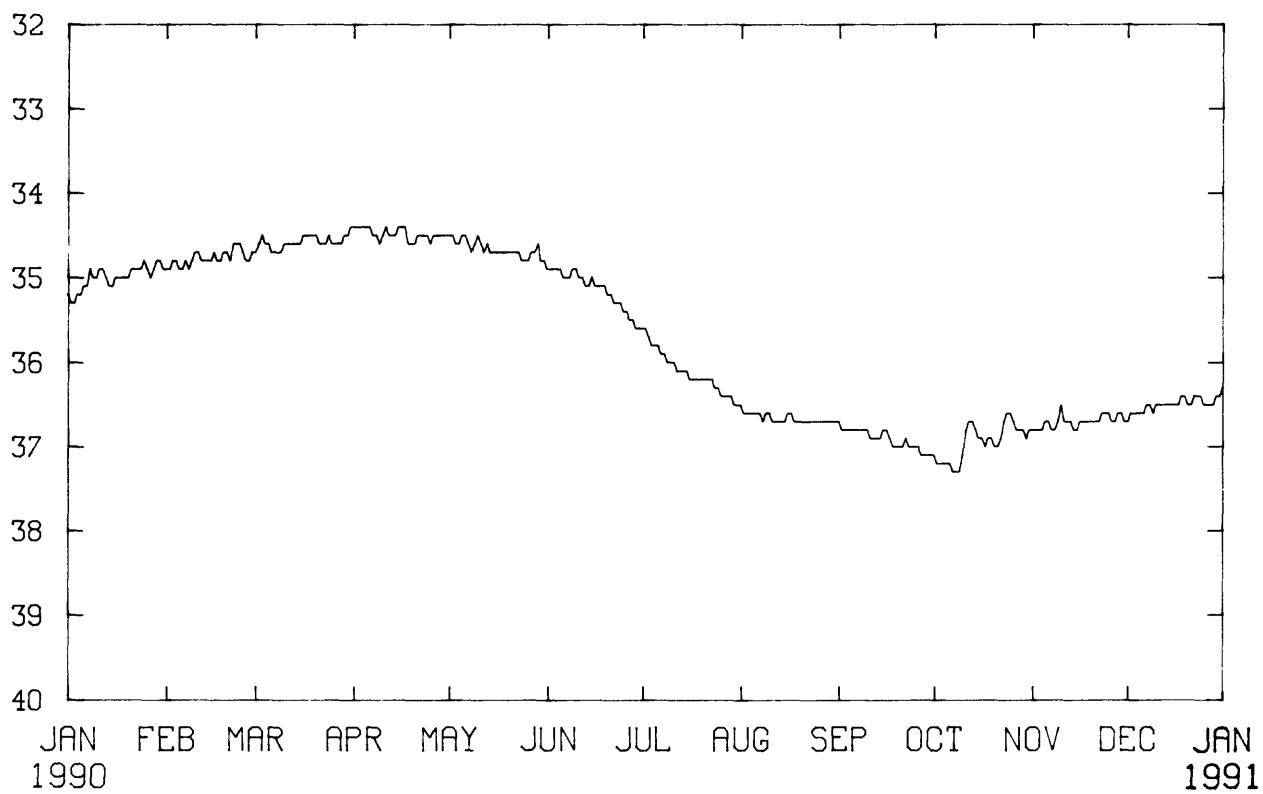


Figure 31.--Water levels in observation well BW-355.

Table 13.--Characteristics and daily mean water level for well BW-356

BARNWELL COUNTY

331043081185601. Local number, BW-356.

LOCATION.--Lat 33°10'43'', long 81°18'56'', Hydrologic Unit 03050207, 200 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Lower Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from surface to 910 ft, 4 in., 878-914, 924-929 ft, depth 929 ft, cased to 929 ft, screened interval from 914 to 924 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.82 ft above land-surface datum.

PERIOD OF RECORD.--February 1989 to September 1989.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 12.22 ft below land-surface datum, Apr. 3, 1990; lowest, 14.80 ft below land-surface datum, Feb. 17, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.64	12.67	12.55	12.31	12.40	12.60	12.62	12.74	12.82	13.08	12.67	12.71
2	12.77	12.62	12.48	12.27	12.43	12.61	12.61	12.78	12.85	13.10	12.69	12.66
3	12.75	12.60	12.35	12.22	12.49	12.55	12.69	12.78	12.85	13.14	12.68	12.57
4	12.69	12.51	12.43	12.25	12.49	12.49	12.72	12.79	12.91	13.12	12.63	12.55
5	12.66	12.58	12.50	12.28	12.39	12.52	12.70	12.80	12.91	13.11	12.54	12.65
6	12.63	12.67	12.53	12.31	12.40	12.58	12.68	12.80	12.87	13.12	12.54	12.60
7	12.60	12.61	12.59	12.36	12.47	12.58	12.71	12.81	12.84	13.14	12.61	12.56
8	12.45	12.64	12.63	12.46	12.51	12.56	12.75	12.85	12.85	13.14	12.64	12.53
9	12.53	12.58	12.56	12.52	12.48	12.50	12.76	12.84	12.90	13.11	12.59	12.62
10	12.54	12.46	12.52	12.44	12.36	12.49	12.75	12.82	12.92	12.93	12.41	12.60
11	12.51	12.49	12.51	12.32	12.46	12.50	12.75	12.82	12.94	12.70	12.58	12.59
12	12.47	12.56	12.52	12.42	12.51	12.56	12.75	12.85	12.96	12.53	12.60	12.60
13	12.63	12.63	12.49	12.47	12.45	12.60	12.74	12.87	12.96	12.52	12.61	12.56
14	12.69	12.64	12.45	12.45	12.48	12.56	12.71	12.87	12.94	12.59	12.66	12.61
15	12.68	12.61	12.44	12.36	12.50	12.49	12.72	12.88	12.86	12.67	12.69	12.62
16	12.68	12.55	12.42	12.35	12.50	12.50	12.78	12.80	12.85	12.74	12.62	12.58
17	12.67	12.56	12.36	12.37	12.47	12.56	12.82	12.81	12.95	12.77	12.54	12.57
18	12.64	12.64	12.39	12.46	12.50	12.54	12.78	12.84	13.04	12.69	12.57	12.47
19	12.66	12.52	12.41	12.58	12.51	12.48	12.78	12.84	13.02	12.70	12.58	12.50
20	12.67	12.56	12.41	12.57	12.47	12.51	12.76	12.86	12.98	12.75	12.59	12.61
21	12.58	12.63	12.48	12.49	12.45	12.55	12.74	12.88	12.98	12.75	12.63	12.60
22	12.60	12.48	12.50	12.42	12.42	12.55	12.74	12.85	12.95	12.67	12.60	12.55
23	12.62	12.38	12.47	12.45	12.50	12.51	12.74	12.78	12.94	12.46	12.51	12.49
24	12.61	12.43	12.45	12.47	12.53	12.54	12.75	12.79	13.04	12.44	12.52	12.50
25	12.54	12.57	12.46	12.48	12.56	12.60	12.77	12.84	13.04	12.41	12.57	12.62
26	12.57	12.71	12.46	12.46	12.53	12.63	12.77	12.85	13.01	12.50	12.61	12.66
27	12.70	12.68	12.48	12.44	12.46	12.63	12.76	12.84	13.03	12.64	12.64	12.67
28	12.68	12.58	12.50	12.39	12.41	12.66	12.74	12.80	13.09	12.64	12.59	12.64
29	12.55	---	12.43	12.39	12.35	12.68	12.74	12.78	13.10	12.66	12.60	12.62
30	12.58	---	12.41	12.39	12.46	12.66	12.72	12.78	13.07	12.70	12.71	12.56
31	12.63	---	12.34	---	12.54	---	12.71	12.77	---	12.68	---	12.54
MEAN	12.62	12.58	12.47	12.40	12.47	12.56	12.73	12.82	12.95	12.78	12.60	12.59
MAX	12.77	12.71	12.63	12.58	12.56	12.68	12.82	12.88	13.10	13.14	12.71	12.71
MIN	12.45	12.38	12.34	12.22	12.35	12.48	12.61	12.74	12.82	12.41	12.41	12.47

CAL YR 1990 MEAN 12.63 HIGH 12.22 LOW 13.14

WATER LEVEL, IN FEET BELOW LAND SURFACE

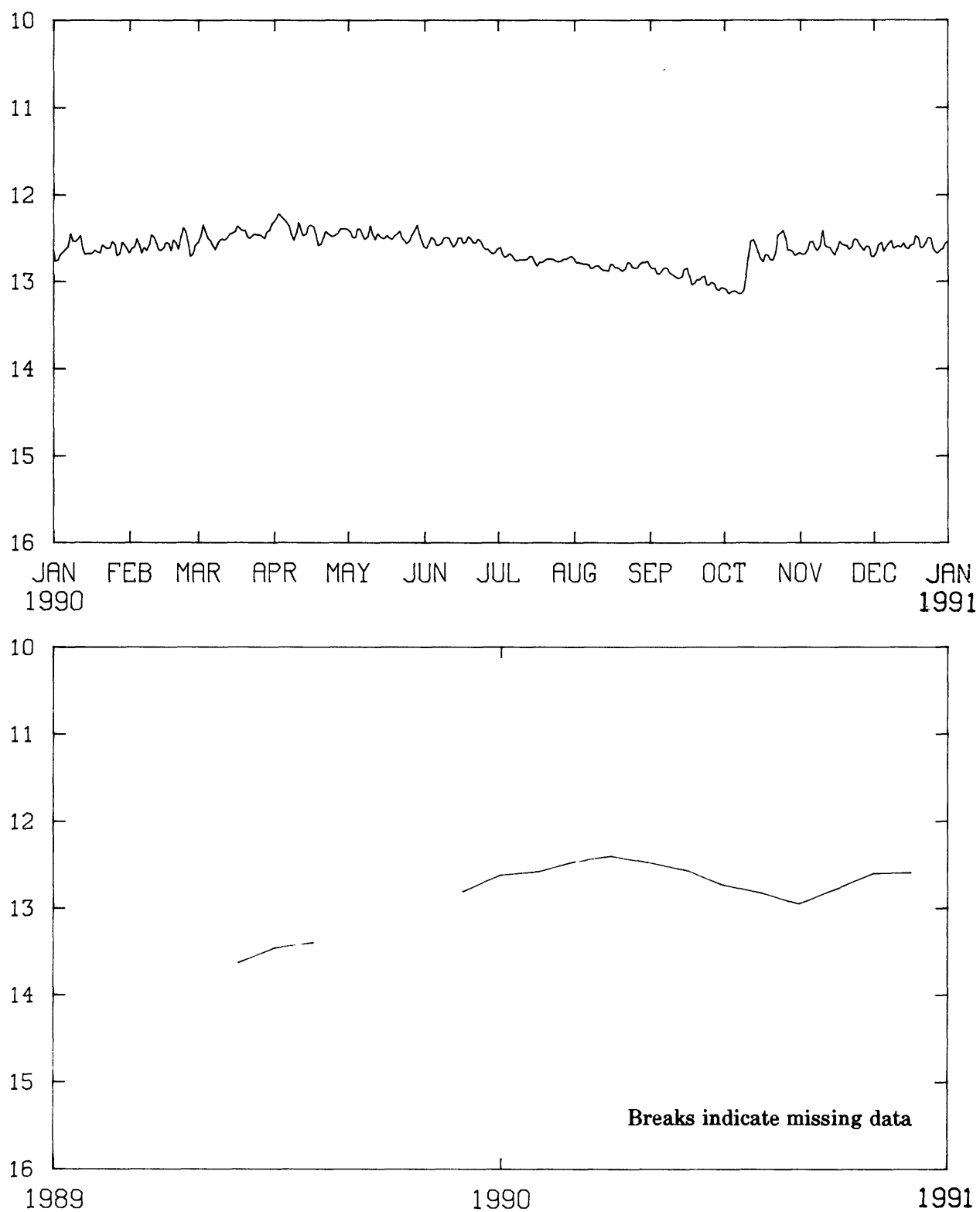


Figure 32.--Water levels in observation well BW-356.

Table 14.--Characteristics and daily mean water level for well BW-359

BARNWELL COUNTY

331916081242801. Local number, BW-359.

LOCATION.--Lat 33°19'16'', long 81°24'28'', Hydrologic Unit 03050207, on logging road, approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi east of U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Congaree Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from surface to 190 ft, 4 in., 169-199, 209-214 ft, depth 214 ft, cased to 214 ft, screened interval from 199 to 209 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 270 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.57 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 50.09 ft below land-surface datum, Mar. 18, 1990; lowest, 52.54 ft below land-surface datum, Oct. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	50.87	50.55	50.27	50.13	50.36	50.95	51.35	51.95	52.08	52.41	51.64	51.01
2	50.86	50.53	50.22	50.12	50.39	50.97	51.37	51.98	52.10	52.43	51.64	50.97
3	50.83	50.52	50.18	50.12	50.44	50.96	51.40	51.98	52.12	52.46	51.62	50.92
4	50.81	50.47	50.21	50.13	50.46	50.96	51.42	52.00	52.15	52.46	51.60	50.90
5	50.77	50.50	50.23	50.15	50.40	51.00	51.43	52.01	52.15	52.46	51.53	50.91
6	50.73	50.51	50.24	50.16	50.40	51.03	51.44	52.02	52.15	52.49	51.52	50.88
7	50.65	50.49	50.27	50.18	50.47	51.05	51.49	52.01	52.16	52.51	51.52	50.86
8	50.68	50.50	50.27	50.23	50.51	51.07	51.54	51.90	52.17	52.53	51.50	50.82
9	50.67	50.46	50.23	50.25	50.51	51.08	51.58	51.85	52.17	52.54	51.43	50.83
10	50.66	50.39	50.20	50.22	50.43	51.06	51.60	51.87	52.18	52.35	51.32	50.81
11	50.65	50.40	50.20	50.17	50.51	51.02	51.61	51.90	52.20	52.03	51.36	50.79
12	50.70	50.44	50.20	50.22	50.54	51.05	51.63	51.94	52.21	51.83	51.34	50.77
13	50.72	50.46	50.19	50.25	50.54	51.08	51.63	51.97	52.22	51.82	51.33	50.75
14	50.71	50.44	50.17	50.24	50.57	51.08	51.63	51.98	52.22	51.87	51.33	50.75
15	50.71	50.41	50.16	50.21	50.60	51.08	51.67	52.00	52.20	51.92	51.32	50.74
16	50.69	50.37	50.15	50.22	50.62	51.09	51.72	52.01	52.21	51.96	51.28	50.72
17	50.67	50.36	50.10	50.23	50.63	51.10	51.76	52.03	52.26	51.98	51.23	50.70
18	50.66	50.37	50.09	50.29	50.67	51.11	51.78	52.05	52.30	51.97	51.23	50.66
19	---	50.29	50.11	50.33	50.69	51.11	51.80	52.06	52.30	51.99	51.21	50.66
20	50.66	50.31	50.11	50.33	50.70	51.13	51.81	52.09	52.30	52.01	51.20	50.68
21	50.62	50.32	50.14	50.31	50.71	51.17	51.81	52.11	52.31	52.02	51.19	50.65
22	50.62	50.26	50.15	50.30	50.73	51.19	51.79	52.04	52.30	51.94	51.15	50.62
23	50.62	50.21	50.14	50.32	50.79	51.18	51.75	52.02	52.32	51.63	51.10	50.60
24	50.61	50.24	50.15	50.33	50.82	51.21	51.78	52.04	52.36	51.63	51.09	50.60
25	50.57	50.30	50.16	50.35	50.85	51.23	51.82	52.03	52.36	51.63	51.09	50.62
26	50.56	50.33	50.16	50.35	50.86	51.25	51.84	52.04	52.36	51.65	51.08	50.62
27	50.59	50.32	50.18	50.35	50.86	51.27	51.86	52.01	52.38	51.69	51.07	50.62
28	50.57	50.28	50.19	50.34	50.82	51.30	51.88	51.99	52.41	51.67	51.02	50.60
29	50.53	---	50.17	50.32	50.80	51.31	51.89	52.01	52.41	51.67	51.01	50.59
30	50.53	---	50.16	50.34	50.86	51.34	51.91	52.03	52.41	51.67	51.03	50.56
31	50.55	---	50.13	---	50.90	---	51.93	52.03	---	51.66	---	50.55
MEAN	---	50.39	50.18	50.25	50.63	51.11	51.67	52.00	52.25	52.03	51.30	50.73
MAX	---	50.55	50.27	50.35	50.90	51.34	51.93	52.11	52.41	52.54	51.64	51.01
MIN	---	50.21	50.09	50.12	50.36	50.95	51.35	51.85	52.08	51.63	51.01	50.55

WATER LEVEL, IN FEET BELOW LAND SURFACE

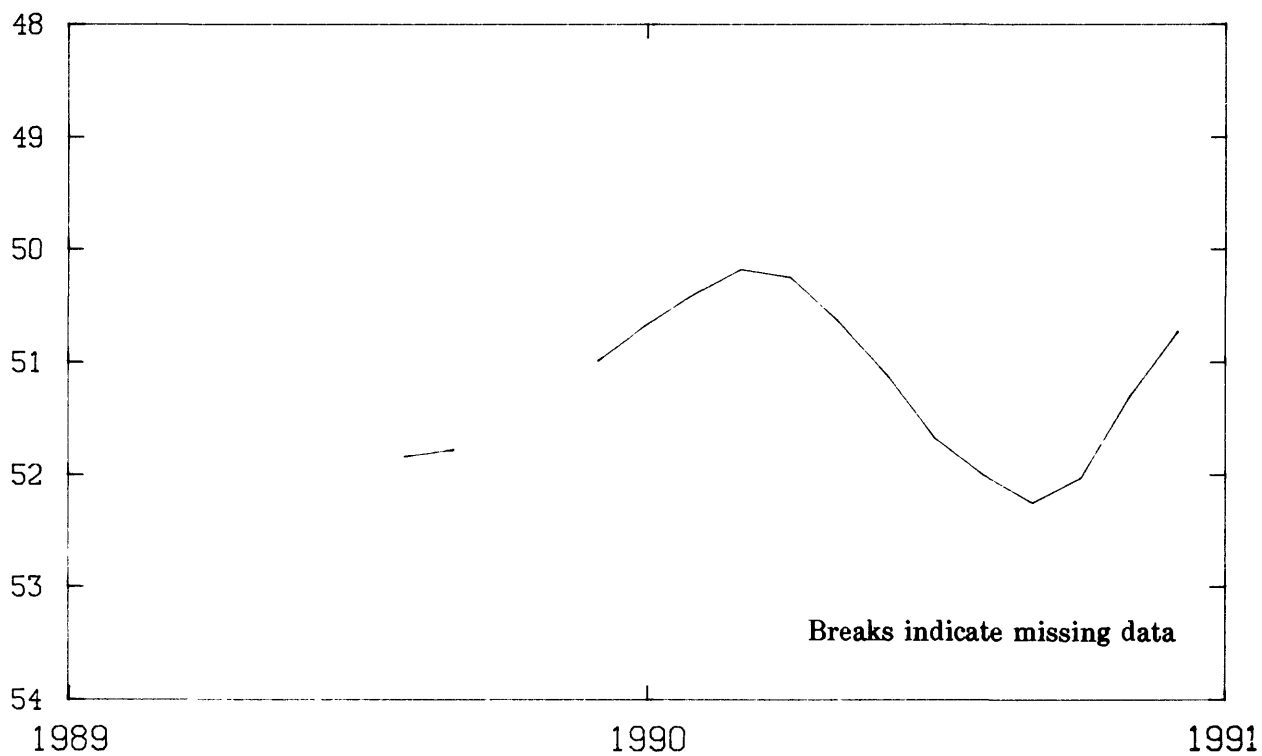
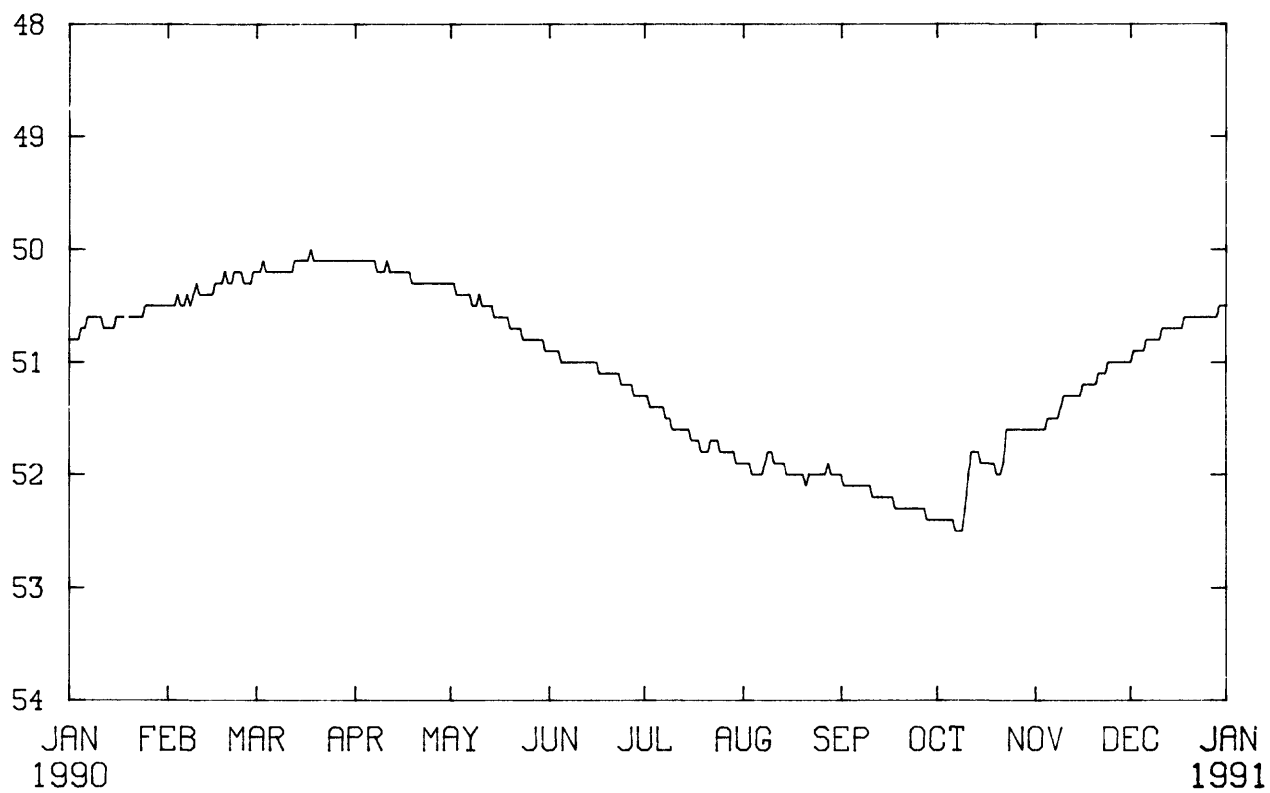


Figure 33.—Water levels in observation well BW-359.

Table 15.--Characteristics and daily mean water level for well BW-360

BARNWELL COUNTY

331915081242801. Local number, BW-360.

LOCATION.--Lat 33°19'15'', long 81°24'28'', Hydrologic Unit 03050207, on logging road, approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi east of U.S. Highway 278.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Dry Branch Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. from surface to 115 ft, 4 in., 92-125, 134-140 ft, depth 140 ft, cased to 140 ft, screened interval from 125 to 134 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 270 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.56 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 18.99 ft below land-surface datum, Nov. 24, 1990; lowest, 26.92 ft below land-surface datum, Feb. 19, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990

DAY	MEAN VALUES											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.12	20.67	20.54	20.76	21.47	22.37	23.08	24.00	24.15	24.72	---	19.24
2	21.13	20.65	20.49	20.77	21.52	22.40	23.10	24.05	24.16	24.75	---	19.19
3	21.07	20.63	20.36	20.75	21.60	22.39	23.16	24.07	24.15	24.79	---	19.11
4	21.02	20.56	20.43	20.79	21.63	22.35	23.22	24.11	24.17	24.78	---	19.06
5	20.98	20.61	20.53	20.84	21.57	22.38	23.24	24.14	24.18	24.79	---	19.17
6	20.98	20.71	20.58	20.90	21.55	22.45	23.25	24.16	24.16	24.84	---	19.17
7	20.86	20.68	20.63	20.95	21.64	22.49	23.29	24.17	24.15	24.88	---	19.13
8	20.89	20.68	20.69	21.05	21.72	22.52	23.36	24.07	24.17	24.90	---	19.10
9	20.84	20.67	20.65	21.12	21.73	22.55	23.41	24.03	24.19	24.91	---	19.19
10	20.77	20.56	20.60	21.09	21.62	22.54	23.43	24.03	24.21	24.75	---	19.22
11	20.65	20.57	20.60	20.97	21.70	22.51	23.45	24.03	24.24	24.28	---	19.22
12	20.75	20.67	20.62	21.04	21.79	22.58	23.48	24.05	24.26	23.49	---	19.25
13	20.82	20.76	20.62	21.13	21.79	22.63	23.50	24.06	24.29	22.82	20.79	19.24
14	20.79	20.77	20.60	21.14	21.81	22.64	23.49	24.06	24.29	22.43	19.21	19.28
15	20.74	20.75	20.60	21.08	21.85	22.62	23.53	24.08	24.26	22.20	19.23	19.34
16	20.70	20.70	20.61	21.07	21.88	22.64	23.61	24.09	24.28	22.04	19.15	19.31
17	20.64	20.70	20.56	21.11	21.87	22.67	23.65	24.10	24.36	21.91	19.03	19.32
18	20.61	20.79	20.59	21.20	21.92	22.69	23.67	24.12	24.43	21.72	19.03	19.26
19	---	20.70	20.67	21.32	21.96	22.68	23.68	24.13	24.44	21.62	19.04	19.26
20	20.60	20.70	20.68	21.35	21.97	22.72	23.69	24.16	24.43	21.62	19.05	19.40
21	20.53	20.75	20.75	21.30	21.97	22.79	23.70	24.19	24.45	21.61	19.09	19.44
22	20.54	20.63	20.78	21.25	21.99	22.82	23.69	24.14	24.47	21.60	19.08	19.41
23	20.58	20.48	20.77	21.27	22.06	22.82	23.68	24.13	24.50	---	19.00	19.37
24	20.59	20.48	20.76	21.32	22.12	22.86	23.71	24.17	24.58	---	18.99	19.36
25	20.55	20.62	20.77	21.38	22.17	22.92	23.76	24.17	24.60	---	19.05	19.49
26	20.56	20.75	20.78	21.39	22.19	22.96	23.81	24.20	24.60	---	19.11	19.56
27	20.69	20.73	20.81	21.40	22.16	22.99	23.84	24.18	24.64	---	19.15	19.60
28	20.70	20.62	20.84	21.39	22.12	23.03	23.85	24.14	24.69	---	19.12	19.57
29	20.59	---	20.82	21.37	22.11	23.06	23.88	24.14	24.71	---	19.11	19.56
30	20.55	---	20.81	21.42	22.24	23.07	23.92	24.12	24.71	---	19.21	19.52
31	20.62	---	20.76	---	22.32	---	23.95	24.12	---	---	---	19.50
MEAN	---	20.66	20.65	21.13	21.87	22.67	23.55	24.11	24.36	---	---	19.32
MAX	---	20.79	20.84	21.42	22.32	23.07	23.95	24.20	24.71	---	---	19.60
MIN	---	20.48	20.36	20.75	21.47	22.35	23.08	24.00	24.15	---	---	19.06

WATER LEVEL, IN FEET BELOW LAND SURFACE

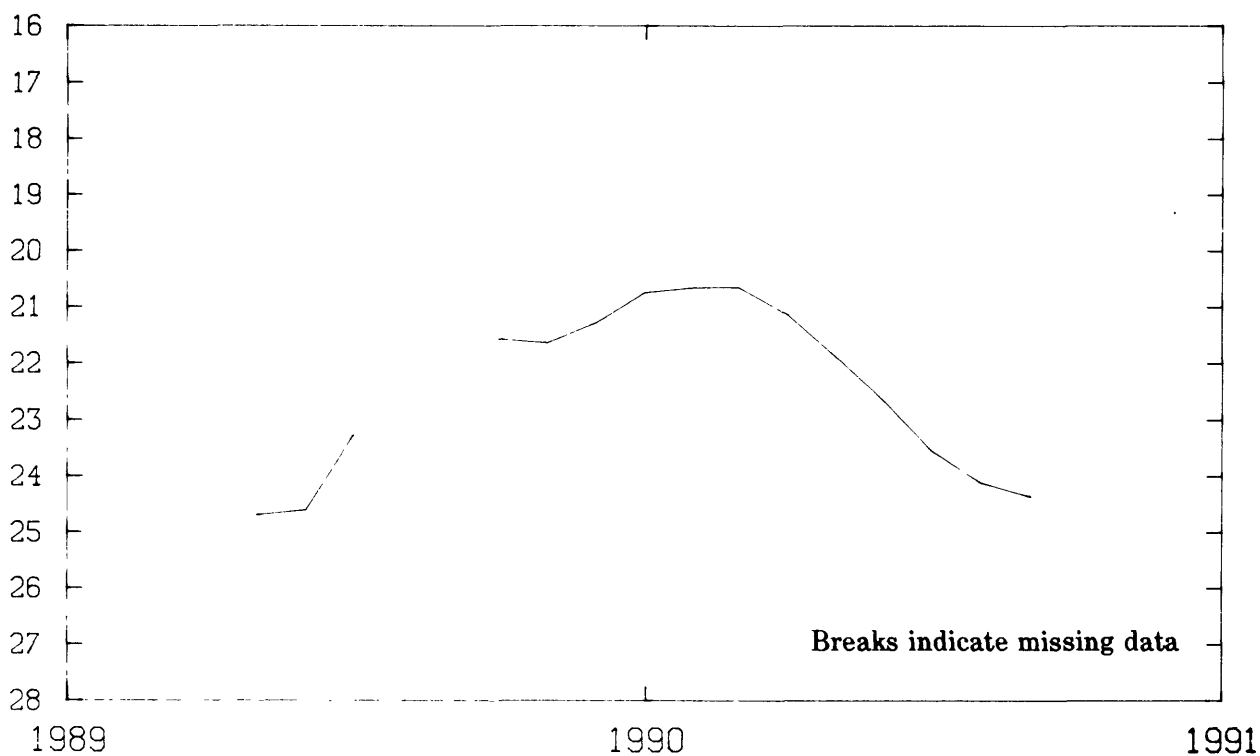
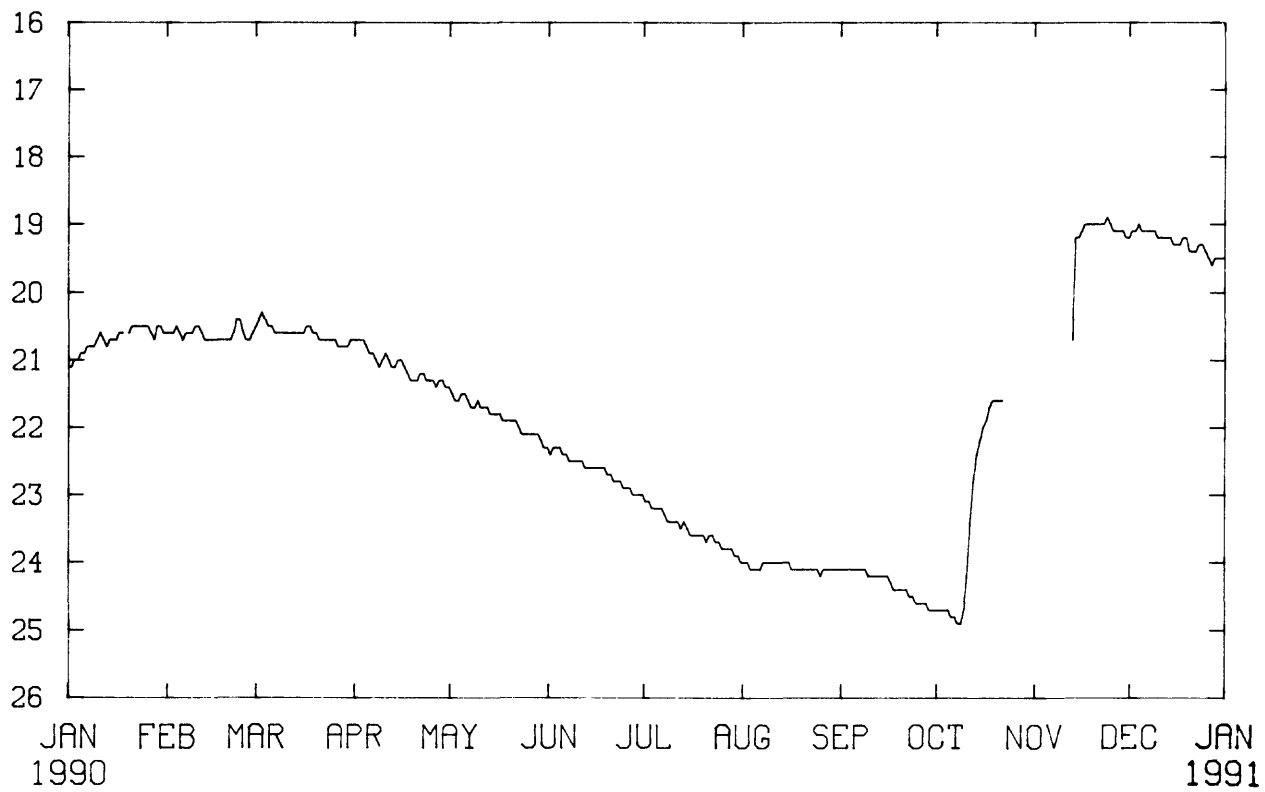


Figure 34.--Water levels in observation well BW-360.

Table 16.--Characteristics and daily mean water level for well BFT-101

BEAUFORT COUNTY

321005080442705. Local number, BFT-101.

LOCATION.--Lat 32°10'05'', long 80°44'27'', Hydrologic Unit 03050208, 300 ft west of U.S. Highway 278, approximately 1.5 mi northeast of Sea Pines Circle, Hilton Head.

OWNER.--U.S. Geological Survey.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 470 ft, cased to 129 ft, open hole 129 to 470 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 13.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.8 ft above land-surface datum.

REMARKS.--Also known as TW2 PT4. Geophysical logs available in District files.

PERIOD OF RECORD.--October 1983 to current year. Records from Jan. 1955 to Sept. 1983 are unpublished but are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 19.22 ft below land-surface datum, Feb. 22, 1984; lowest, 30.42 ft below land-surface datum, July 11, 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	23.57	22.70	21.69	22.27	25.38	27.16	30.26	26.89	26.36	26.31	25.87	24.58
2	23.51	22.71	21.42	22.19	25.89	27.29	29.91	26.44	26.37	26.49	25.94	24.25
3	23.58	22.75	21.35	22.23	25.72	27.29	29.78	26.71	26.19	26.74	25.80	23.93
4	23.49	22.57	21.54	22.53	25.90	27.57	29.63	26.61	26.19	26.81	25.68	24.01
5	23.34	22.77	21.64	23.10	25.95	27.53	29.78	26.76	25.99	26.89	25.38	24.36
6	23.10	22.78	21.95	23.39	26.26	27.25	29.79	26.87	26.21	26.49	25.40	24.18
7	22.77	22.73	22.33	23.28	26.38	27.71	29.95	26.97	26.37	26.49	25.81	24.05
8	22.64	22.79	22.01	23.32	26.27	28.51	29.90	25.89	26.07	26.28	26.09	23.48
9	22.78	22.69	22.15	23.81	25.95	28.34	30.02	25.55	26.16	26.22	25.41	23.41
10	22.81	22.21	22.44	23.64	25.25	28.47	30.28	25.75	26.11	25.64	24.87	23.42
11	22.85	22.00	22.66	23.71	25.61	28.09	30.42	25.69	26.41	25.20	24.87	23.46
12	22.90	22.10	22.83	24.21	25.68	27.97	30.42	25.64	26.10	24.59	25.06	23.53
13	23.00	22.18	22.72	24.82	25.59	28.14	30.08	25.49	25.79	24.37	25.23	23.66
14	22.98	22.24	22.83	24.45	25.81	28.42	29.59	25.90	26.32	24.40	25.50	23.69
15	23.01	22.28	22.79	24.30	25.96	28.63	29.15	25.72	26.05	24.24	25.61	23.41
16	22.98	22.34	22.93	24.68	26.42	28.33	29.23	25.69	25.86	24.68	25.51	23.45
17	23.04	22.50	22.76	24.81	26.68	28.37	29.14	25.73	26.09	24.78	25.21	23.29
18	22.81	22.20	22.57	24.97	26.99	28.74	28.73	25.52	26.25	24.80	25.24	22.98
19	22.87	22.10	22.77	24.50	26.90	28.83	27.83	25.41	26.32	25.18	25.29	23.16
20	22.81	22.10	22.63	24.81	26.99	29.14	27.45	25.37	26.48	25.01	25.43	22.86
21	22.71	21.86	22.79	24.82	27.17	29.38	26.99	25.86	26.74	25.02	25.53	22.89
22	22.95	21.62	23.17	24.83	26.80	29.80	26.90	25.65	26.71	25.02	25.31	22.63
23	22.76	21.64	23.31	24.80	26.86	29.33	26.44	25.04	26.69	25.19	25.24	22.63
24	22.67	22.13	23.35	25.18	27.05	28.93	26.64	25.09	26.82	25.65	25.13	22.74
25	22.59	22.10	23.49	25.55	27.51	29.18	26.47	25.11	26.96	25.55	25.21	22.76
26	23.02	21.96	23.60	25.43	27.74	29.29	26.04	25.21	27.08	25.50	25.19	22.86
27	23.08	21.79	23.46	25.63	27.64	29.52	26.23	25.12	27.20	25.31	25.10	22.77
28	22.99	21.90	23.40	25.34	27.57	29.71	26.26	25.54	27.33	25.18	24.61	22.86
29	22.79	---	23.16	24.80	26.70	29.90	26.16	25.73	27.07	25.22	24.43	22.87
30	23.00	---	22.92	24.89	26.59	30.02	26.06	25.78	26.57	25.44	24.55	22.72
31	22.83	---	22.39	---	27.01	---	26.74	26.10	---	25.62	---	22.84
MEAN	22.98	22.28	22.61	24.21	26.46	28.56	28.46	25.83	26.43	25.49	25.32	23.35
MAX	23.58	22.79	23.60	25.63	27.74	30.02	30.42	26.97	27.33	26.89	26.09	24.58
MIN	22.59	21.62	21.35	22.19	25.25	27.16	26.04	25.04	25.79	24.24	24.43	22.63

CAL YR 1990 MEAN 25.18 HIGH 21.35 LOW 30.42

WATER LEVEL, IN FEET BELOW LAND SURFACE

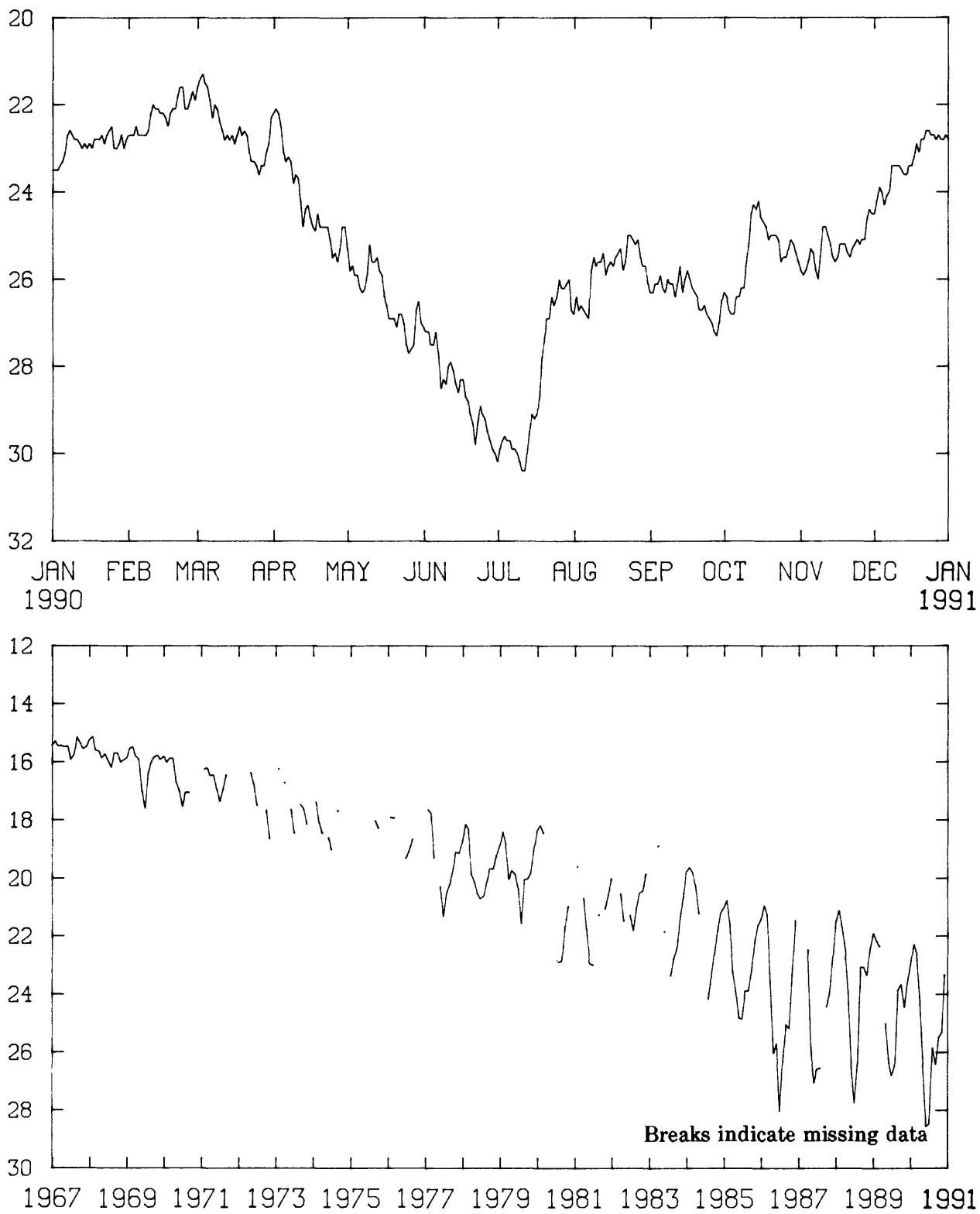


Figure 35.--Water levels in observation well BFT-101.

Table 17.--Characteristics and daily mean water level for well BFT-121

BEAUFORT COUNTY

322745080435800. Local number, BFT-121.

LOCATION.--Lat 32°27'48'', long 80°44'05'', Hydrologic Unit 03050208, Military reservation, 100 ft east of U.S.

21, 100 ft north of locked entrance, 2,000 ft north of main entrance to the U.S. Marine Corps Air Station,
4.0 mi northwest of Beaufort on U.S. Highway 21.

Owner: U.S. Marine Corp.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in., depth 105 ft, cased to 85 ft, open hole from 85
to 105 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

DATUM.--Land-surface datum is 31.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of
casing, at land-surface.

REMARKS.--Water-quality data available in District files.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 5.84 ft below land-surface datum, April 5, 1980;
lowest, 11.83 ft below land-surface datum June 6, 1985.WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.83	7.69	7.52	7.39	8.26	9.64	10.38	10.96	10.72	11.51	9.60	9.46
2	7.87	7.69	7.50	7.36	8.41	9.52	10.46	10.94	10.72	11.53	9.63	9.42
3	7.88	7.68	7.47	7.35	8.44	9.49	10.56	10.91	10.77	11.58	9.60	9.35
4	7.85	7.65	7.54	7.44	8.69	9.52	10.59	10.91	10.78	11.59	9.60	9.38
5	7.84	7.68	7.63	7.51	8.69	9.82	10.62	10.91	10.79	11.61	9.61	9.45
6	7.80	7.75	7.70	7.54	8.90	9.76	10.70	10.93	10.78	11.60	9.66	9.46
7	7.64	7.76	7.77	7.56	8.83	9.70	10.81	10.87	10.84	11.64	9.70	9.43
8	7.23	7.79	7.81	7.66	8.89	9.76	10.86	10.71	10.86	11.66	9.75	9.40
9	7.17	7.80	7.81	7.69	8.92	9.74	10.92	10.59	10.90	11.70	9.72	9.44
10	7.16	7.72	7.78	7.72	8.90	9.75	10.99	10.53	10.94	11.48	9.35	9.47
11	7.15	7.64	7.79	7.73	8.99	9.74	11.01	10.50	10.97	10.97	9.27	9.49
12	7.17	7.68	7.83	7.84	9.00	9.74	11.04	10.50	10.98	10.16	9.23	9.53
13	7.26	7.73	7.86	7.92	8.98	9.81	10.98	10.51	11.04	9.71	9.21	9.52
14	7.31	7.75	7.87	7.90	9.15	9.85	10.89	10.53	11.01	9.52	9.24	9.55
15	7.32	7.75	7.87	7.86	9.17	9.91	10.87	10.55	11.03	9.46	9.23	9.55
16	7.37	7.75	7.88	7.93	9.22	9.88	10.91	10.60	11.07	9.42	9.20	9.55
17	7.44	7.66	7.86	8.00	9.22	9.92	10.95	10.61	11.15	9.41	9.14	9.52
18	7.51	7.64	7.77	8.09	9.29	9.92	10.89	10.64	11.19	9.36	9.17	9.51
19	7.43	7.49	7.77	8.06	9.33	9.94	10.83	10.65	11.16	9.37	9.25	9.50
20	7.41	7.44	7.82	8.03	9.38	9.98	10.79	10.79	11.19	9.36	9.26	9.39
21	7.39	7.46	7.90	8.02	9.45	10.14	10.76	10.87	11.27	9.37	9.27	9.26
22	7.43	7.35	7.97	8.02	9.58	10.13	10.74	10.76	11.23	9.31	9.25	9.16
23	7.49	7.23	7.97	8.08	9.41	10.05	10.77	10.66	11.25	9.26	9.21	9.09
24	7.52	7.28	7.97	8.18	9.34	10.05	10.79	10.60	11.28	9.27	9.24	9.10
25	7.51	7.39	8.00	8.24	9.32	10.23	10.84	10.58	11.33	9.29	9.29	9.16
26	7.55	7.50	8.05	8.26	9.41	10.24	10.83	10.56	11.36	9.37	9.33	9.19
27	7.61	7.51	8.07	8.28	9.43	10.22	10.87	10.54	11.40	9.45	9.35	9.20
28	7.61	7.49	8.09	8.28	9.49	10.32	10.84	10.57	11.41	9.45	9.33	9.20
29	7.57	---	8.05	8.18	9.52	10.31	10.85	10.66	11.47	9.50	9.34	9.16
30	7.62	---	7.88	8.19	9.67	10.30	10.88	10.74	11.53	9.55	9.44	9.12
31	7.65	---	7.57	---	9.51	---	10.96	10.69	---	9.58	---	9.11
MEAN	7.50	7.61	7.82	7.88	9.12	9.91	10.81	10.69	11.08	10.19	9.38	9.36
MAX	7.88	7.80	8.09	8.28	9.67	10.32	11.04	10.96	11.53	11.70	9.75	9.55
MIN	7.15	7.23	7.47	7.35	8.26	9.49	10.38	10.50	10.72	9.26	9.14	9.09

CAL YR 1990 MEAN 9.29 HIGH 7.15 LOW 11.70

WATER LEVEL, IN FEET BELOW LAND SURFACE

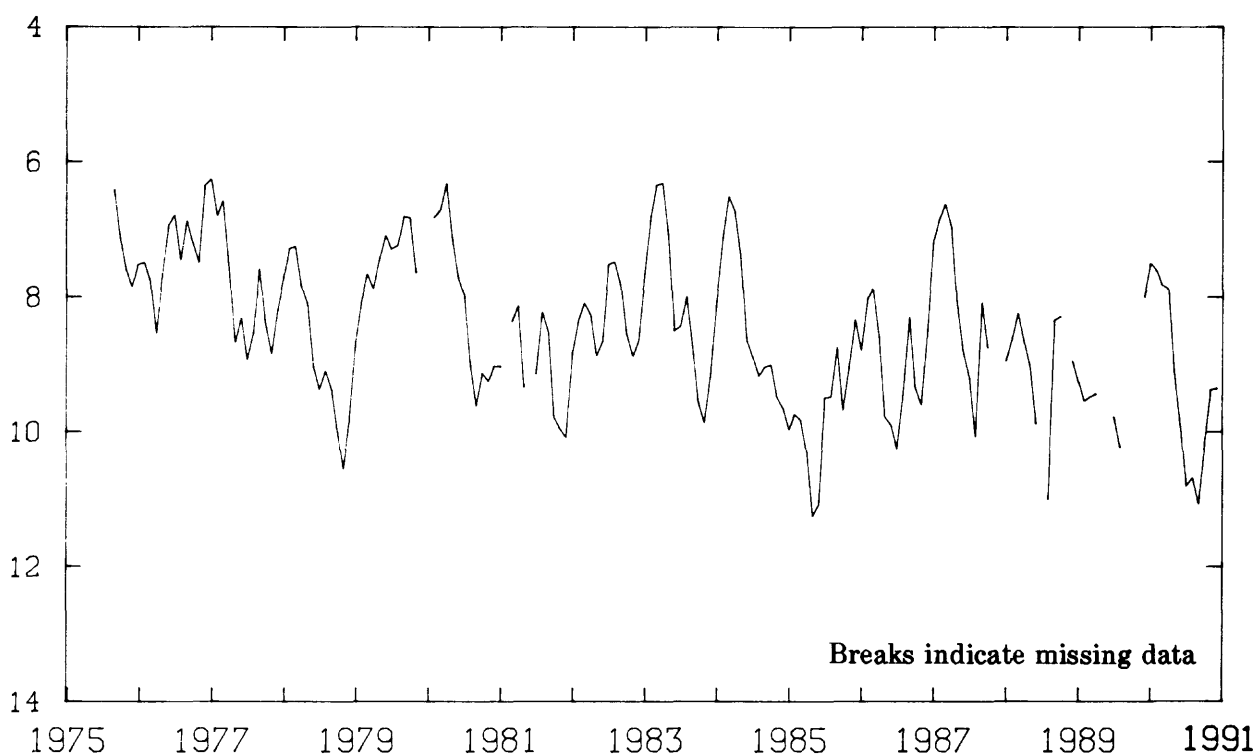
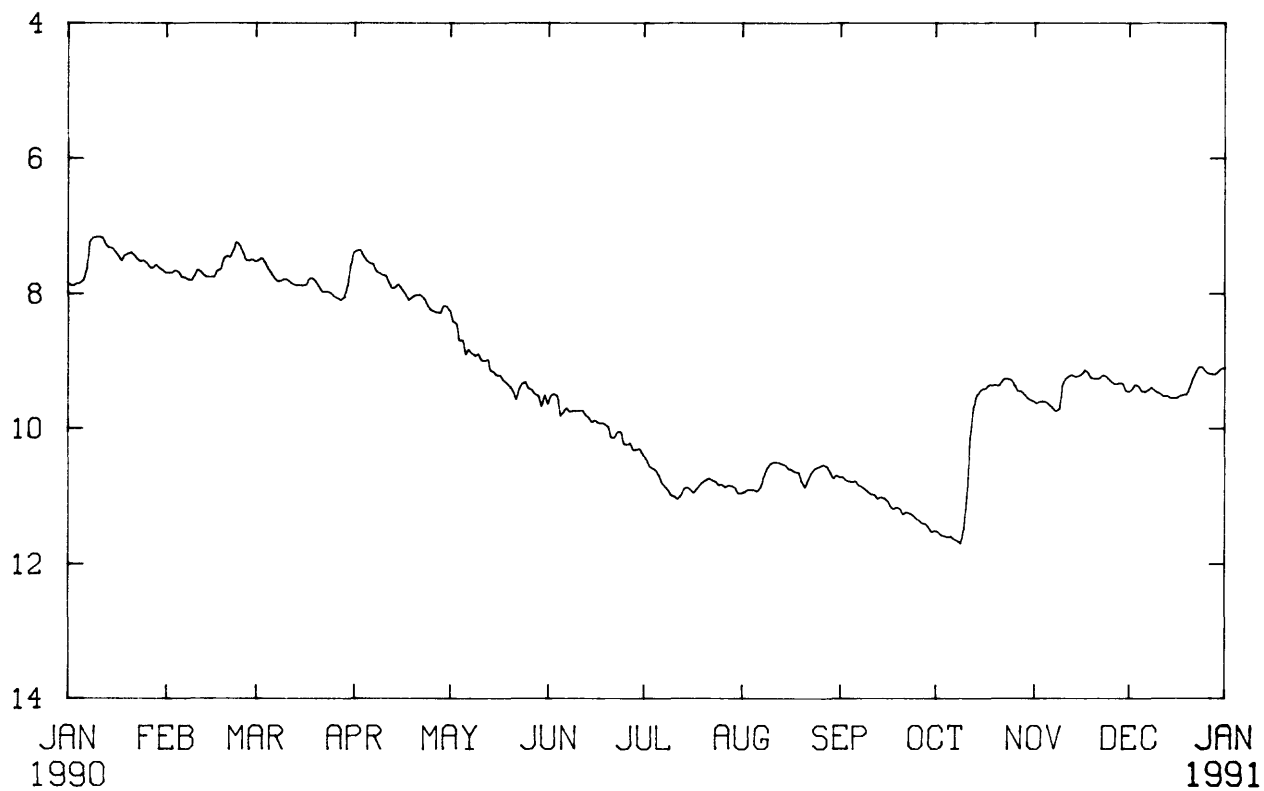


Figure 36.—Water levels in observation well BFT-121.

Table 18.--Characteristics and daily mean water level for well BFT-429

BEAUFORT COUNTY

321551080491003. Local number, BFT-429.

LOCATION.--Lat 32°15'51'', long 80°49'10'', Hydrologic Unit 03050208, 1.6 mi northwest on County Road 744, 2 mi southwest of Foot Point Plantation at Victoria Bluff, and 7.7 mi southeast on U.S. Highway 278 from intersection with State Highway 170.

Owner: South Carolina Wildlife and Marine Resources Department.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 300 ft, cased to 100 ft, open hole from 100 to 300 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 22.0 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.85 ft above land-surface datum.

REMARKS.--Water-quality data available in District files. Electric and Gamma logs available in District files.

PERIOD OF RECORD.--August 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 21.71 ft below land-surface datum, Sept. 10, 1971; lowest, 29.56 ft below land-surface datum, July 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	26.25	25.88	25.28	25.41	26.62	27.62	28.90	28.25	27.63	28.66	27.01	27.01
2	26.36	25.80	25.11	25.34	26.83	27.48	28.68	28.06	27.69	28.73	26.93	26.91
3	26.24	25.82	25.02	25.44	26.73	27.44	28.58	27.96	27.76	28.72	26.86	26.71
4	26.12	25.72	25.12	25.55	27.00	27.75	28.52	27.95	27.77	28.64	26.82	26.79
5	26.13	25.88	25.26	25.62	26.76	28.02	28.61	28.00	27.67	28.64	26.72	26.93
6	26.10	25.80	25.27	25.75	26.66	27.99	28.92	28.03	27.51	28.38	26.77	26.78
7	25.87	25.68	25.30	25.86	26.67	28.82	28.77	27.92	27.49	28.28	26.89	26.66
8	25.65	25.70	25.24	25.80	26.69	29.01	28.86	27.81	27.59	28.25	26.91	26.53
9	25.76	25.61	25.22	25.76	26.66	28.35	29.56	27.77	27.64	28.15	26.69	26.63
10	25.73	25.48	25.34	25.68	26.61	28.30	29.00	27.71	27.70	27.83	26.68	26.58
11	25.65	25.52	25.35	25.78	26.95	28.19	28.98	27.69	27.72	27.59	27.07	26.57
12	25.72	25.63	25.41	26.08	26.97	28.05	29.17	27.71	27.89	27.31	27.06	26.50
13	25.88	25.70	25.46	26.07	26.90	27.94	29.49	27.72	28.20	27.27	27.08	26.53
14	25.82	25.73	25.47	25.92	27.04	28.07	29.34	27.69	28.42	27.25	27.11	26.61
15	25.76	25.80	25.48	25.85	27.25	28.64	29.36	27.71	28.06	27.27	27.11	26.53
16	25.78	25.84	25.51	25.96	27.68	28.01	29.38	27.70	28.00	27.29	27.05	26.53
17	25.77	25.86	25.48	26.11	28.15	27.77	29.35	27.64	27.98	27.22	27.00	26.55
18	25.80	25.73	25.63	26.60	27.58	27.96	29.22	27.63	27.99	27.11	26.95	26.38
19	25.87	25.66	25.64	27.34	27.45	28.53	28.98	27.66	28.04	27.19	26.92	26.43
20	25.79	26.14	25.66	27.05	27.33	28.03	28.84	27.78	28.17	27.17	26.99	26.48
21	25.76	25.88	25.72	26.44	27.22	28.04	28.86	27.85	28.64	27.12	27.02	26.41
22	25.88	25.94	25.72	26.26	27.10	28.38	28.81	27.82	29.37	27.07	26.94	26.39
23	25.88	25.68	25.75	26.25	27.02	28.16	28.46	27.76	29.47	27.01	26.88	26.32
24	25.77	25.75	25.77	26.30	27.06	28.09	28.60	27.79	29.19	27.04	27.02	26.41
25	25.67	25.83	25.76	26.76	27.47	28.11	28.51	27.85	28.64	27.06	27.09	26.51
26	25.89	25.76	25.71	27.52	27.21	28.08	28.09	27.90	28.61	27.21	27.19	26.46
27	25.98	25.60	25.61	27.29	27.14	28.23	28.09	27.83	28.73	27.14	27.22	26.34
28	25.87	25.41	25.52	26.61	27.08	28.66	27.88	27.69	28.79	27.05	27.15	26.30
29	25.70	---	25.47	26.45	27.02	29.28	27.81	27.60	28.75	27.10	27.12	26.24
30	25.85	---	25.51	26.48	27.50	28.92	27.83	27.64	28.68	27.10	27.18	26.18
31	26.02	---	25.41	---	28.11	---	27.90	27.63	---	27.05	---	26.17
MEAN	25.88	25.74	25.46	26.18	27.11	28.20	28.75	27.80	28.19	27.58	26.98	26.53
MAX	26.36	26.14	25.77	27.52	28.15	29.28	29.56	28.25	29.47	28.73	27.22	27.01
MIN	25.65	25.41	25.02	25.34	26.61	27.44	27.81	27.60	27.49	27.01	26.68	26.17

CAL YR 1990 MEAN 27.04 HIGH 25.02 LOW 29.56

WATER LEVEL, IN FEET BELOW LAND SURFACE

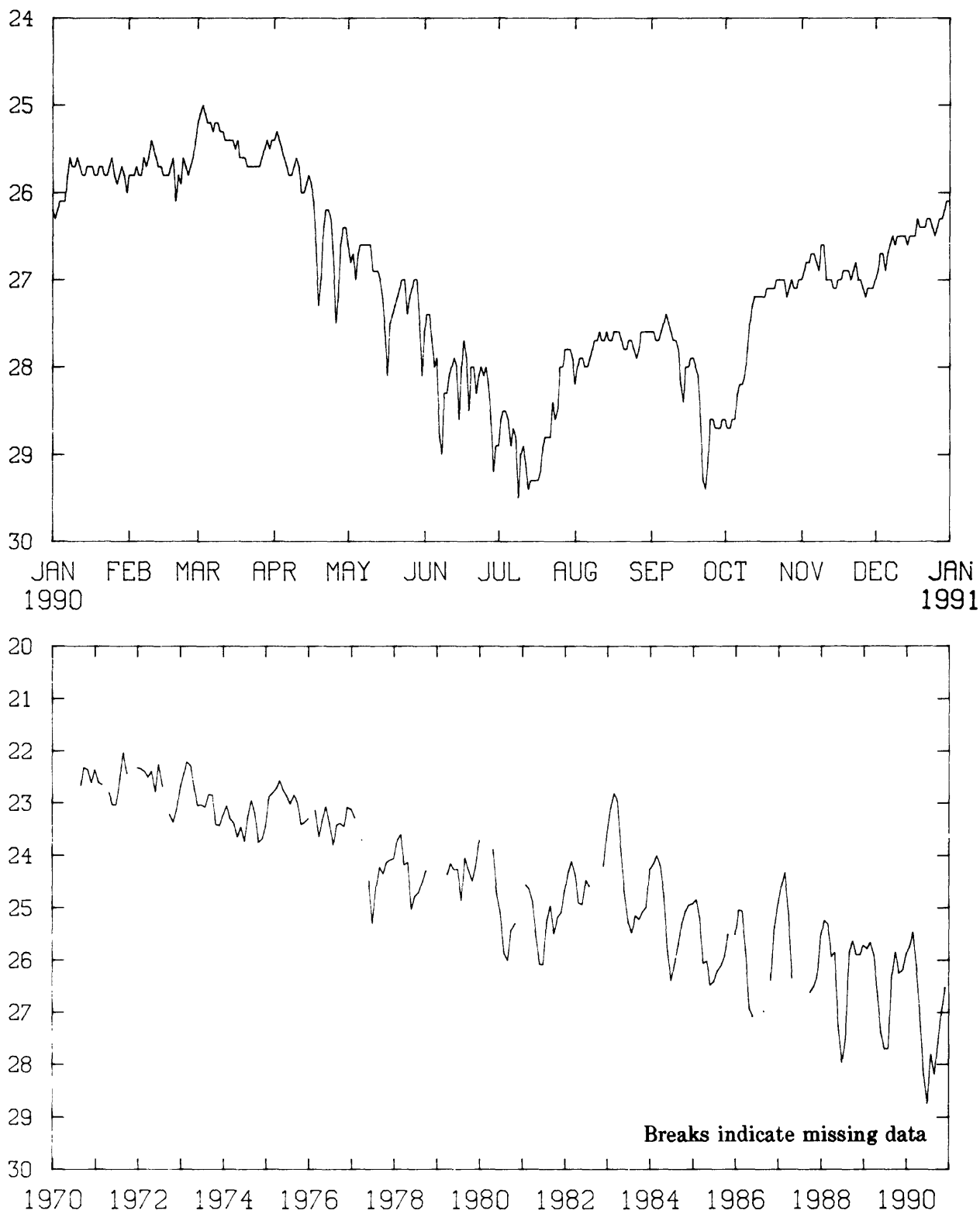


Figure 37.--Water levels in observation well BFT-429.

Table 19.--Characteristics and daily mean water level for BFT-439

BEAUFORT COUNTY

320910080472001. Local number, BFT-439.

LOCATION.--Lat 32°09'10'', long 80°47'20'', Hydrologic Unit 03050208, 1.0 mi northwest of Braddock Point, 3.0 mi southwest of Forest Beach on Calibogue Cay Road at Sea Pines Plantation, on Hilton Head Island.

Owner: Sea Pines Plantation.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 214 ft, cased to 125 ft, open hole from 125 to 214 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 6.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface.

REMARKS.--Gamma log available in District files. Water-quality data available in District files.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 15.32 ft below land-surface datum, Feb. 28, Mar. 17, 1983; lowest, 30.22 ft below land-surface datum, Aug. 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.78	20.62	19.72	20.61	22.31	24.77	---	---	---	25.82	24.13	23.48
2	21.72	20.61	19.54	20.49	21.96	24.73	---	---	24.98	25.86	24.29	23.28
3	21.74	20.63	19.43	20.54	22.59	23.64	---	---	24.98	25.57	24.41	22.91
4	21.56	20.47	19.56	21.28	23.03	25.20	---	---	24.12	25.39	24.40	22.70
5	21.47	20.54	19.69	21.87	22.23	24.13	---	---	24.23	25.57	24.27	23.08
6	21.39	20.49	19.84	22.12	22.03	23.66	---	---	24.15	25.61	23.91	22.94
7	21.05	20.57	19.92	22.21	22.64	25.00	---	---	24.36	25.68	24.16	22.70
8	20.94	20.55	19.92	22.25	22.38	25.73	---	---	24.28	25.16	24.35	22.47
9	21.01	20.55	20.08	22.46	22.37	25.83	---	---	24.25	24.59	23.67	22.19
10	20.97	20.46	20.22	22.43	22.11	25.93	---	---	24.26	24.33	23.47	22.13
11	20.84	20.34	20.24	22.55	22.60	25.85	---	---	24.82	23.88	23.59	22.06
12	20.95	20.47	20.38	22.67	22.64	25.77	---	---	24.67	23.57	23.60	22.40
13	21.05	20.49	20.51	22.85	22.39	25.86	---	---	24.95	23.12	23.51	22.60
14	20.97	20.59	20.54	22.63	23.91	26.01	---	---	24.66	23.28	24.14	22.50
15	20.88	20.44	20.51	22.53	23.83	26.13	---	---	24.92	23.40	24.35	22.61
16	21.04	20.39	20.61	22.70	23.96	25.98	---	---	24.60	23.66	23.89	22.78
17	20.90	20.49	20.78	22.80	24.58	25.91	---	---	24.47	23.81	24.21	22.39
18	20.86	20.12	20.66	22.50	24.36	25.69	---	---	24.52	23.45	24.16	22.29
19	20.88	20.10	20.63	22.53	23.19	25.51	---	---	24.70	23.51	23.99	22.34
20	20.76	20.04	20.71	22.99	22.91	25.86	---	---	25.16	23.81	24.07	21.86
21	20.71	19.87	20.74	23.07	24.18	26.07	---	---	25.18	23.91	24.32	21.81
22	20.82	19.79	20.96	23.04	23.38	26.42	---	---	25.27	23.50	24.31	21.70
23	20.71	19.73	21.16	23.05	23.62	26.21	24.94	---	25.63	23.77	24.17	21.61
24	20.57	20.23	21.24	23.30	24.17	26.10	24.97	---	25.52	24.03	24.23	21.70
25	20.55	20.13	21.25	23.53	25.39	26.78	25.01	---	25.46	24.15	24.43	21.68
26	20.86	20.01	22.05	23.68	25.68	26.90	24.75	---	25.59	23.92	24.32	21.64
27	20.89	20.01	21.74	23.76	25.57	26.90	24.77	---	25.71	24.16	24.07	22.21
28	20.74	19.88	21.82	23.50	24.83	27.03	24.56	---	25.69	24.07	23.68	22.17
29	20.57	---	21.73	23.19	23.09	26.99	25.04	---	26.17	23.43	23.53	22.40
30	20.82	---	21.07	23.01	23.70	27.42	---	---	25.98	23.10	23.49	22.56
31	20.70	---	20.76	---	23.75	---	---	---	---	23.23	---	22.28
MEAN	20.99	20.31	20.58	22.54	23.40	25.80	---	---	---	24.20	24.04	22.37
MAX	21.78	20.63	22.05	23.76	25.68	27.42	---	---	---	25.86	24.43	23.48
MIN	20.55	19.73	19.43	20.49	21.96	23.64	---	---	---	23.10	23.47	21.61

WATER LEVEL, IN FEET BELOW LAND SURFACE

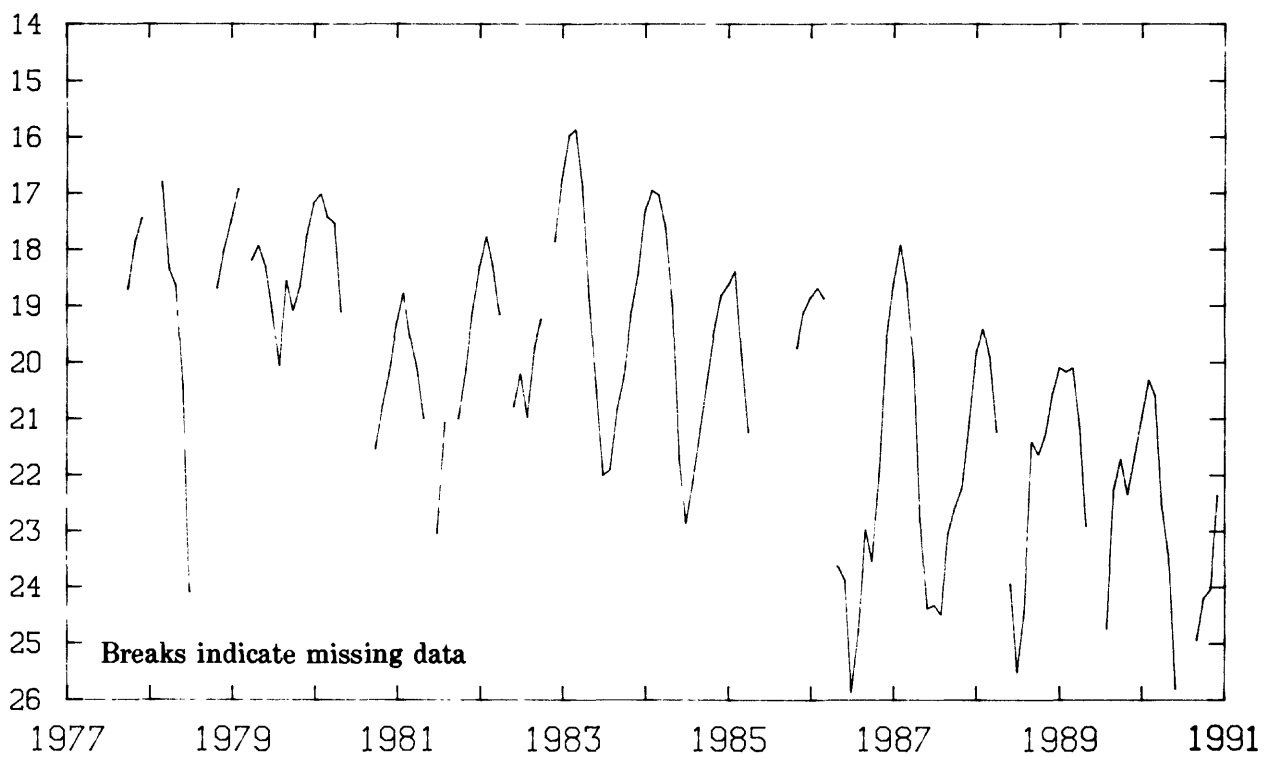
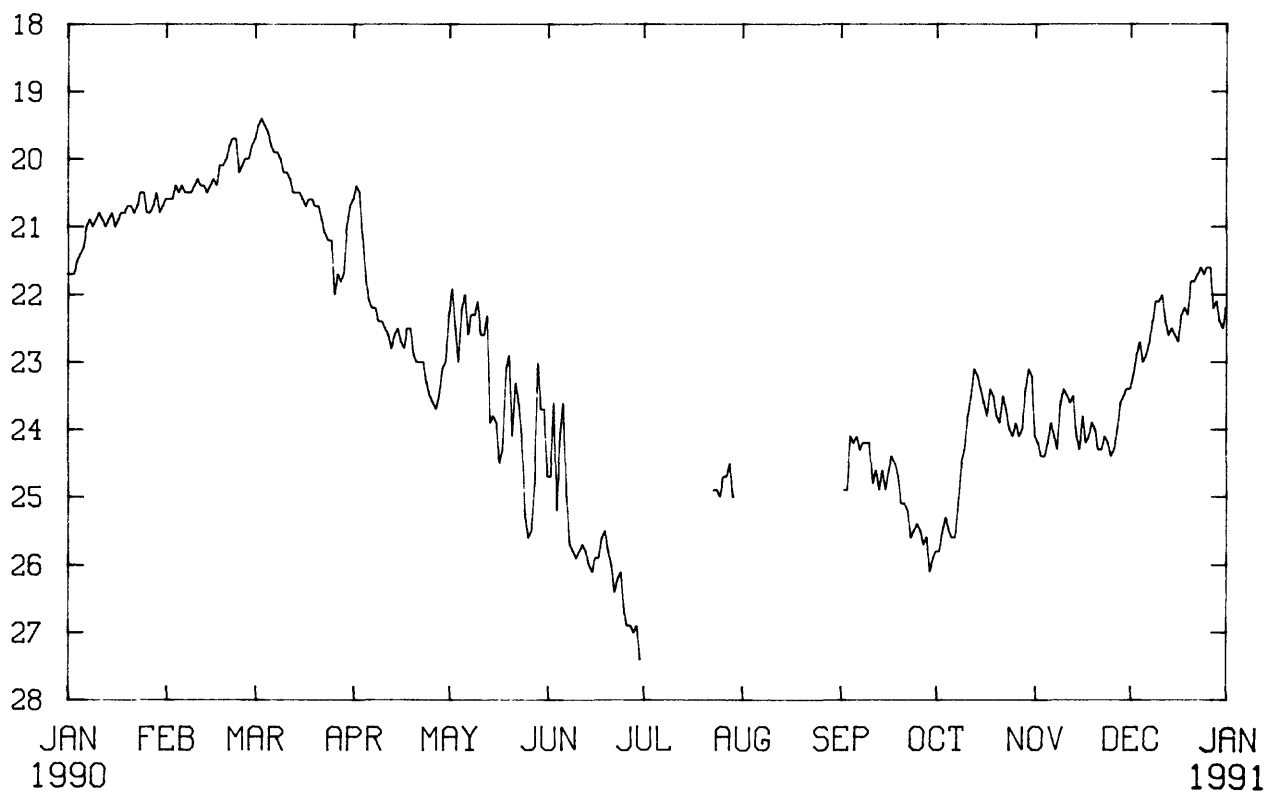


Figure 38.--Water levels in observation well BFT-439.

Table 20.--Characteristics and daily mean water level for BFT-444

BEAUFORT COUNTY

321125080423000. Local number, BFT-444.

LOCATION.--Lat 32°10'35'', long 80°43'37'', Hydrologic Unit 03050208, 0.1 mi from US Highway 278 at entrance of Palmetto Dunes, 110 ft off Queen Ferry Rd, and approximately 200 ft north of the water tower on Hilton Head Island.

Owner: Palmetto Dunes Development Corp.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 212 ft, cased to 146 ft, open hole from 146 to 212 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 16.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.95 ft above land-surface datum.

REMARKS.--Electric and Gamma logs available in District files.

PERIOD OF RECORD.--February 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 16.67 ft below land-surface datum, Jan. 19, 1976; lowest recorded, 32.81 ft below land-surface datum, July 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.87	24.30	23.53	23.95	27.72	29.83	32.27	28.32	29.24	28.95	28.27	26.36
2	24.97	24.37	23.36	24.20	27.95	29.73	31.94	27.99	29.32	29.32	28.60	26.28
3	24.81	24.51	22.95	24.34	28.22	29.76	31.30	28.86	28.69	29.20	28.34	26.19
4	24.66	24.24	23.37	24.96	28.27	30.66	31.20	28.39	28.71	29.59	27.54	26.14
5	24.65	24.35	23.50	24.97	28.08	29.94	31.90	28.54	28.28	29.75	28.18	26.12
6	24.42	24.75	24.12	25.72	28.44	29.70	31.92	28.79	28.20	28.84	27.94	26.04
7	24.08	24.57	24.50	25.51	28.38	30.27	32.15	29.32	28.64	28.58	28.09	26.90
8	23.83	24.46	23.57	25.38	28.47	30.63	32.22	28.03	28.49	28.34	28.83	25.00
9	23.97	24.37	24.06	26.20	27.84	30.31	32.50	27.46	28.67	28.28	27.33	25.09
10	24.01	23.96	24.30	25.91	27.60	30.10	32.80	28.07	28.85	27.67	26.52	25.50
11	23.98	23.67	24.47	26.11	28.05	30.04	32.39	27.79	29.09	27.11	26.58	25.40
12	24.14	23.78	24.91	26.25	28.24	29.78	32.81	27.69	28.66	26.43	27.42	25.45
13	24.14	23.41	25.07	27.07	28.03	30.29	31.68	27.20	28.06	26.10	27.32	25.70
14	24.33	23.59	25.15	25.68	28.34	30.32	31.43	28.30	29.09	26.42	27.40	25.71
15	24.34	23.65	25.03	26.19	28.17	30.97	30.68	28.03	28.46	26.19	27.77	25.18
16	24.21	23.83	25.68	26.78	28.90	30.80	31.12	28.05	28.22	25.97	27.74	25.04
17	24.38	23.87	25.38	26.81	28.71	30.59	30.74	28.26	28.12	26.55	27.08	25.34
18	24.32	23.54	24.68	27.46	29.59	31.25	30.89	27.69	28.47	26.67	26.91	25.08
19	24.46	23.55	24.92	27.18	28.95	31.25	29.42	27.50	28.79	28.18	27.22	25.22
20	24.21	23.60	25.17	27.13	29.16	31.31	29.05	27.62	28.99	26.83	27.67	24.85
21	23.95	23.20	24.81	26.68	29.62	32.13	28.37	28.34	29.50	26.72	27.71	24.86
22	24.36	23.00	25.32	26.89	29.26	32.12	29.30	28.18	29.20	26.73	27.35	24.11
23	24.16	23.01	25.75	27.50	29.45	31.53	28.50	27.08	29.40	27.37	27.58	24.28
24	23.93	23.49	25.30	27.64	29.53	31.23	28.37	27.60	29.11	27.93	27.19	24.97
25	23.88	23.48	25.85	28.07	29.88	31.72	28.25	27.06	29.56	27.69	27.43	24.64
26	24.38	23.34	25.02	27.84	29.94	31.07	28.05	27.32	29.96	28.13	27.29	25.03
27	24.38	23.41	25.51	28.08	29.67	31.69	28.36	27.53	29.90	27.38	27.23	24.82
28	24.28	23.98	25.43	27.56	29.92	32.43	27.95	27.93	30.48	27.08	26.33	25.11
29	24.46	---	24.93	26.89	28.66	32.20	28.22	27.76	29.44	27.70	26.35	24.48
30	24.52	---	24.96	27.14	29.28	32.18	28.02	27.46	28.97	28.41	26.33	24.94
31	24.25	---	24.27	---	29.62	---	29.45	29.07	---	28.86	---	25.06
MEAN	24.30	23.83	24.67	26.40	28.77	30.86	30.43	27.98	28.95	27.71	27.45	25.32
MAX	24.97	24.75	25.85	28.08	29.94	32.43	32.81	29.32	30.48	29.75	28.83	26.90
MIN	23.83	23.00	22.95	23.95	27.60	29.70	27.95	27.06	28.06	25.97	26.33	24.11

CAL YR 1990 MEAN 27.24 HIGH 22.95 LOW 32.81

WATER LEVEL, IN FEET BELOW LAND SURFACE

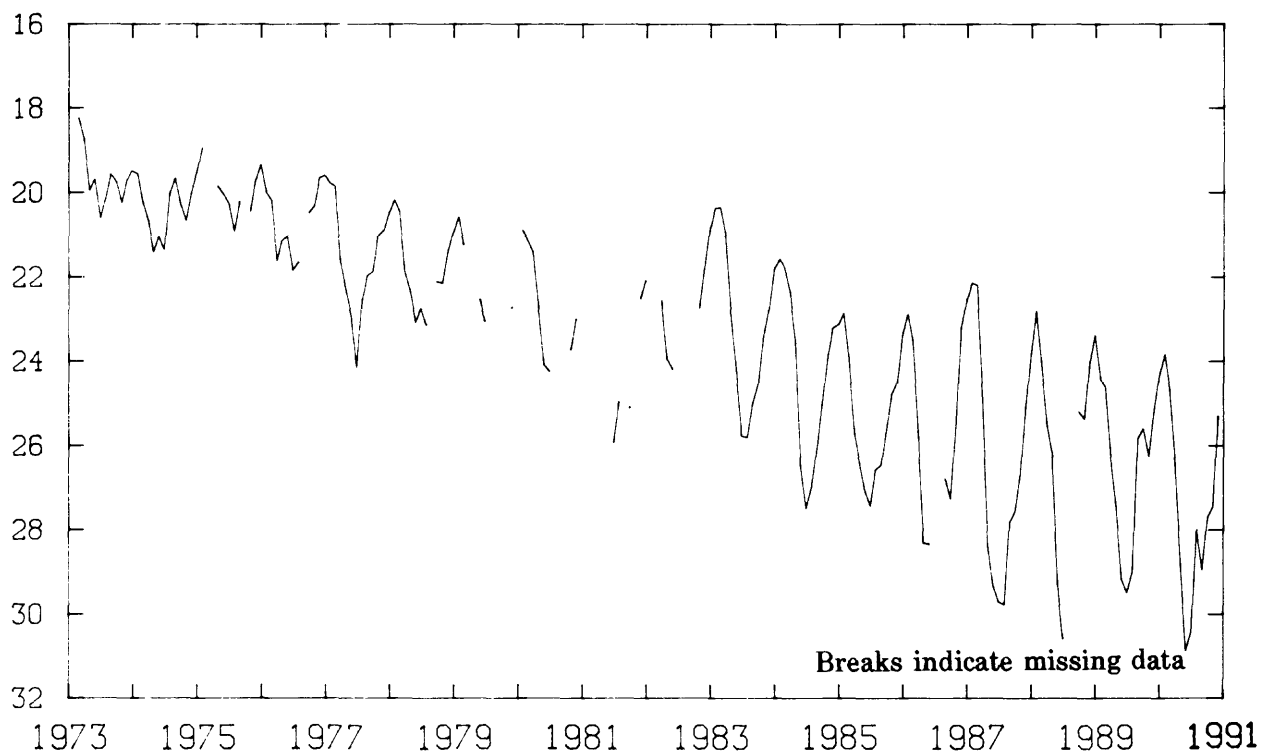
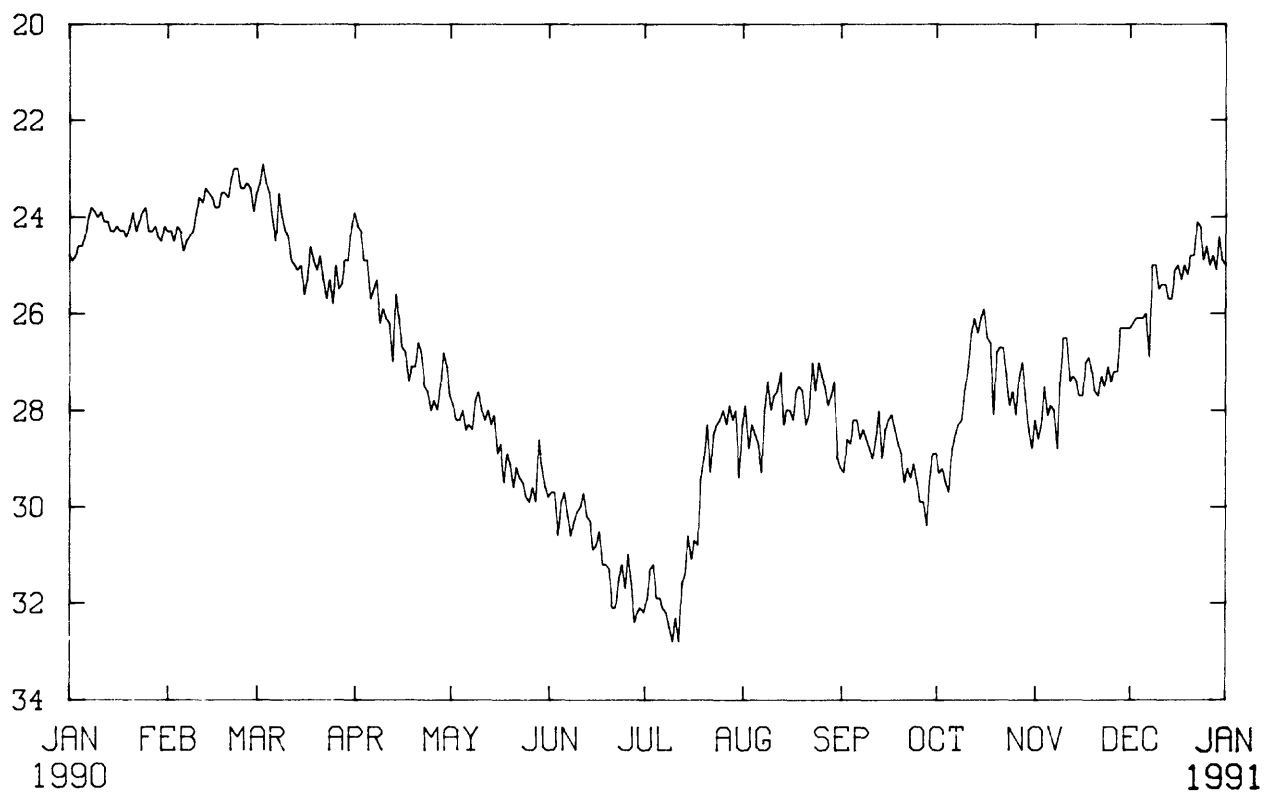


Figure 39.--Water levels in observation well BFT-444.

Table 21.--Characteristics and daily mean water level for well BFT-786

BEAUFORT COUNTY

321459080420101. Local number, BFT-786.

LOCATION.--Lat 32°14'53'', long 80°41'55'', Hydrologic Unit 03050208, north end of Hilton Head Island, 2.4 mi northwest of Hilton Head Tower, and at the end of State Road 335.

Owner: Town of Hilton Head.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 524 ft, cased to 300 ft, open hole from 300 to 524 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 12.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.

REMARKS.--Geophysical logs available in District files. 1977 Water-quality data available in District files.

PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 8.83 ft below land-surface datum, May 18, 1980; lowest, 17.48 ft below land-surface datum, July 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.95	14.42	13.98	14.25	15.47	16.23	17.14	15.99	15.73	16.49	15.26	15.24
2	14.99	14.39	13.77	14.13	15.45	16.33	17.04	15.92	15.70	16.46	15.28	15.18
3	14.88	14.41	13.72	14.15	15.49	16.31	16.95	15.89	15.70	16.51	15.22	15.05
4	14.79	14.32	13.81	14.13	15.49	16.34	17.02	15.90	15.74	16.59	15.18	15.29
5	14.79	14.50	13.80	14.24	15.49	16.33	17.07	15.92	15.68	16.55	15.04	15.43
6	14.67	14.40	13.84	14.37	15.51	16.32	17.11	15.97	15.70	16.35	15.13	15.24
7	14.39	14.32	13.82	14.55	15.47	16.52	17.18	15.95	15.69	16.40	15.30	14.98
8	14.27	14.35	13.78	14.58	15.62	16.71	17.18	15.91	15.79	16.35	15.31	14.80
9	14.44	14.28	13.85	14.57	15.59	16.70	17.13	15.86	15.77	16.10	14.95	14.87
10	14.48	14.19	14.01	14.58	15.49	16.80	17.24	15.77	15.82	15.65	15.17	14.82
11	14.37	14.19	14.04	14.67	15.71	16.71	17.34	15.78	16.00	15.48	15.48	14.75
12	14.48	14.34	14.14	14.79	15.71	16.60	17.48	15.82	15.95	15.21	15.37	14.70
13	14.63	14.41	14.25	14.98	15.72	16.51	17.45	15.81	15.94	15.21	15.22	14.85
14	14.54	14.42	14.23	14.79	15.81	16.51	17.34	15.79	15.86	15.19	15.26	15.00
15	14.46	14.35	14.20	14.70	15.73	16.48	17.35	15.81	15.86	15.28	15.27	14.90
16	14.51	14.48	14.24	14.76	15.72	16.39	17.36	15.74	15.83	15.37	15.26	15.01
17	14.47	14.59	14.26	14.83	15.90	16.29	17.39	15.61	15.83	15.25	15.30	14.93
18	14.40	14.29	14.45	14.95	16.07	16.28	17.32	15.58	15.86	15.20	15.24	14.67
19	14.44	14.23	14.36	14.94	16.10	16.36	17.08	15.55	16.00	15.34	15.25	14.82
20	14.25	14.24	14.41	15.15	16.10	16.50	16.85	15.53	16.12	15.34	15.25	14.78
21	14.33	14.10	14.37	15.13	16.23	16.66	16.75	15.54	16.15	15.33	15.23	14.75
22	14.53	14.01	14.40	15.06	16.23	16.83	16.68	15.48	16.20	15.33	15.23	14.80
23	14.46	13.99	14.44	15.00	16.06	16.82	16.48	15.43	16.28	15.40	15.26	14.76
24	14.30	14.48	14.44	15.17	16.05	16.78	16.32	15.47	16.40	15.36	15.44	14.92
25	14.22	14.54	14.43	15.34	16.19	16.80	16.17	15.55	16.47	15.38	15.55	14.84
26	14.64	14.37	14.39	15.39	16.17	16.84	16.00	15.60	16.56	15.42	15.65	14.70
27	14.65	14.21	14.26	15.37	16.11	16.86	15.77	15.58	16.75	15.37	15.58	14.56
28	14.52	14.11	14.23	15.41	16.01	16.97	15.68	15.45	16.75	15.30	15.43	14.54
29	14.29	---	14.35	15.46	16.00	17.08	15.68	15.43	16.66	15.28	15.46	14.57
30	14.45	---	14.42	15.47	16.12	17.15	15.73	15.53	16.55	15.22	15.39	14.63
31	14.50	---	14.35	---	16.18	---	15.83	15.68	---	15.20	---	14.76
MEAN	14.52	14.32	14.16	14.83	15.84	16.60	16.81	15.70	16.04	15.64	15.30	14.88
MAX	14.99	14.59	14.45	15.47	16.23	17.15	17.48	15.99	16.75	16.59	15.65	15.43
MIN	14.22	13.99	13.72	14.13	15.45	16.23	15.68	15.43	15.68	15.19	14.95	14.54

CAL YR 1990 MEAN 15.39 HIGH 13.72 LOW 17.48

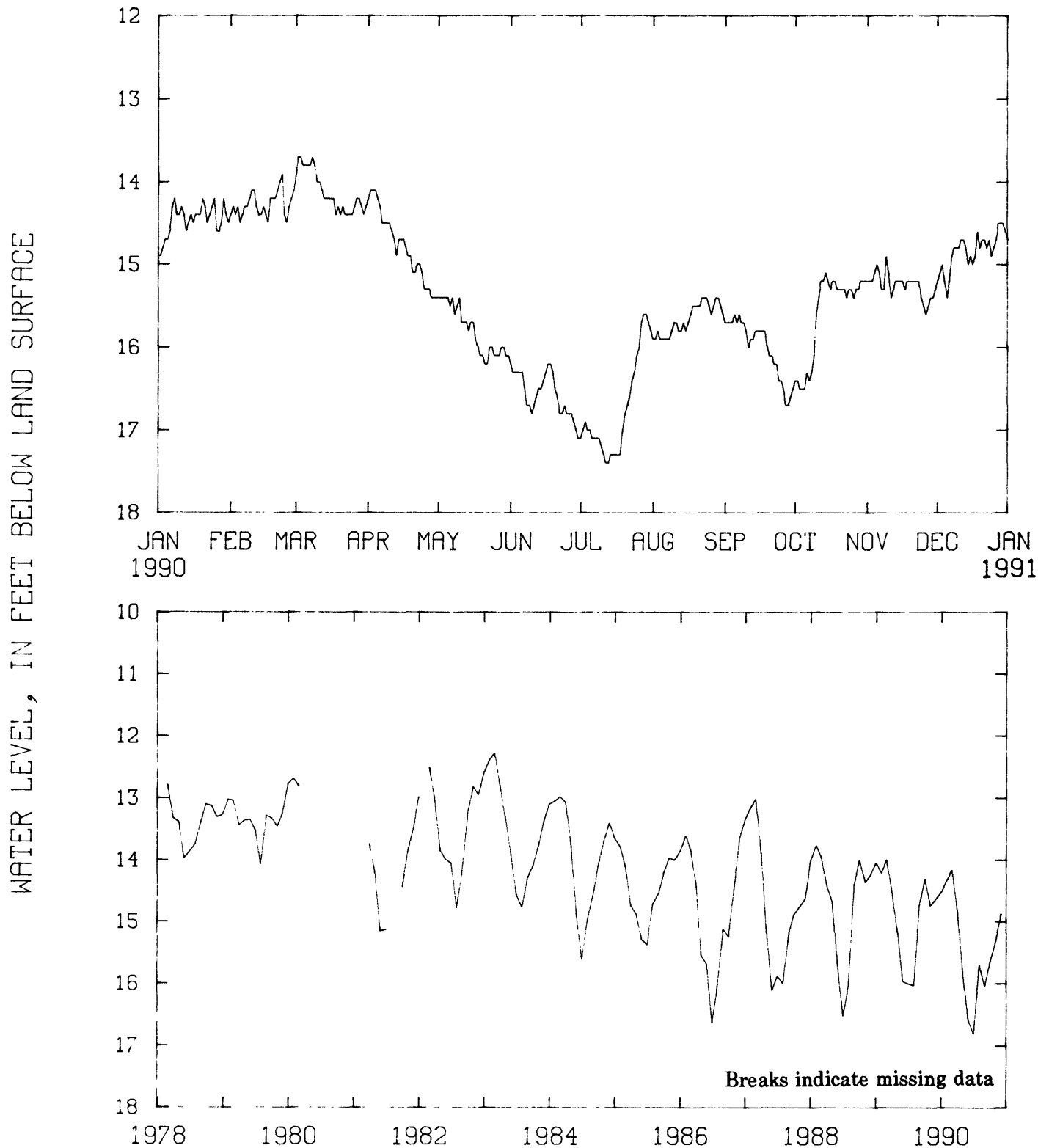


Figure 40.--Water levels in observation well BFT-786.

Table 22.--Characteristics and daily mean water level for well BFT-787

BEAUFORT COUNTY

321459080420102. Local number, BFT-787.

LOCATION.--Lat 32°14'54'', long 80°41'57'', Hydrologic Unit 03050208, north end of Hilton Head Island, 2.4 mi northwest of Hilton Head Tower, and at the end of State Road 335.

Owner: Town of Hilton Head.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 239 ft, cased to 126 ft, open hole from 126 to 239 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Geophysical logs and Water-quality data available in District files.

PERIOD OF RECORD.--July 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 9.99 ft below land-surface datum, Mar. 9, 1978; lowest 17.68 ft below land-surface datum July 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.74	14.17	13.73	14.10	15.55	16.33	17.35	15.74	15.53	16.42	15.07	14.77
2	14.69	14.15	13.52	14.01	15.49	16.41	17.15	15.58	15.56	16.33	15.10	14.83
3	14.58	14.20	13.54	14.06	15.54	16.42	16.97	15.48	15.57	16.45	14.92	14.83
4	14.52	14.14	13.63	14.05	15.60	16.57	17.03	15.52	15.58	16.45	14.87	15.16
5	14.57	14.37	13.57	14.21	15.65	16.61	17.06	15.57	15.56	16.29	14.72	15.33
6	14.44	14.23	13.64	14.41	15.66	16.50	17.23	15.70	15.69	16.05	14.83	15.09
7	14.09	14.10	13.60	14.64	15.51	16.76	17.18	15.71	15.55	16.25	15.22	14.64
8	13.92	14.15	13.50	14.57	15.64	16.96	17.03	15.59	15.69	16.16	15.27	14.36
9	14.12	14.10	13.66	14.53	15.60	16.84	16.98	15.47	15.63	15.70	14.77	14.37
10	14.19	14.05	13.92	14.58	15.49	17.09	17.30	15.34	15.77	15.15	15.05	14.36
11	14.09	14.00	13.99	14.76	15.74	16.84	17.46	15.42	15.92	14.84	15.30	14.29
12	14.26	14.10	14.14	14.85	15.79	16.55	17.68	15.46	15.88	14.49	---	14.26
13	14.37	14.17	14.32	14.92	15.76	16.46	17.57	15.48	15.96	14.52	14.85	14.56
14	14.19	14.19	14.33	14.73	15.82	16.55	17.34	15.42	15.83	14.49	14.89	14.88
15	14.12	14.16	14.26	14.69	15.71	16.62	17.14	15.49	15.92	14.69	14.88	14.76
16	14.21	14.49	14.31	14.81	15.89	16.49	17.12	15.44	15.73	14.95	14.99	14.88
17	14.19	14.52	14.33	14.97	16.28	16.21	17.02	15.32	15.67	14.75	15.27	14.68
18	14.13	14.03	14.50	15.13	16.42	16.22	16.93	15.32	15.70	14.83	15.18	14.34
19	14.18	13.98	14.35	14.98	16.41	16.52	16.55	15.28	15.88	15.15	15.08	14.53
20	13.92	13.98	14.41	15.15	16.41	16.75	16.22	15.13	16.16	15.16	14.98	14.40
21	14.09	13.76	14.31	15.23	16.61	16.96	16.14	15.17	16.27	15.15	15.03	14.34
22	14.38	13.73	14.34	15.16	16.62	17.16	16.17	15.19	16.39	15.18	15.17	14.57
23	14.28	13.78	14.45	15.07	16.33	16.96	15.91	15.19	16.52	15.31	15.25	14.59
24	14.08	14.38	14.49	15.33	16.20	16.82	15.74	15.18	16.63	15.23	15.48	14.75
25	13.97	14.37	14.44	15.57	16.34	16.79	15.63	15.18	16.71	15.16	15.60	14.48
26	14.45	14.04	14.39	15.60	16.33	16.81	15.37	15.30	16.90	15.10	15.67	14.25
27	14.40	13.89	14.17	15.58	16.27	16.96	15.12	15.34	17.17	15.12	15.47	14.10
28	14.29	13.84	14.14	15.79	16.18	17.10	15.11	15.11	17.03	15.06	15.15	14.15
29	14.05	---	14.16	15.66	16.00	17.28	15.16	15.17	16.84	15.00	15.15	14.25
30	14.26	---	14.30	15.55	16.09	17.34	15.23	15.36	16.56	14.79	14.96	14.53
31	14.28	---	14.24	---	16.27	---	15.44	15.44	---	14.79	---	14.75
MEAN	14.26	14.11	14.09	14.89	15.97	16.73	16.56	15.39	16.06	15.32	---	14.58
MAX	14.74	14.52	14.50	15.79	16.62	17.34	17.68	15.74	17.17	16.45	---	15.33
MIN	13.92	13.73	13.50	14.01	15.49	16.21	15.11	15.11	15.53	14.49	---	14.10

WATER LEVEL, IN FEET BELOW LAND SURFACE

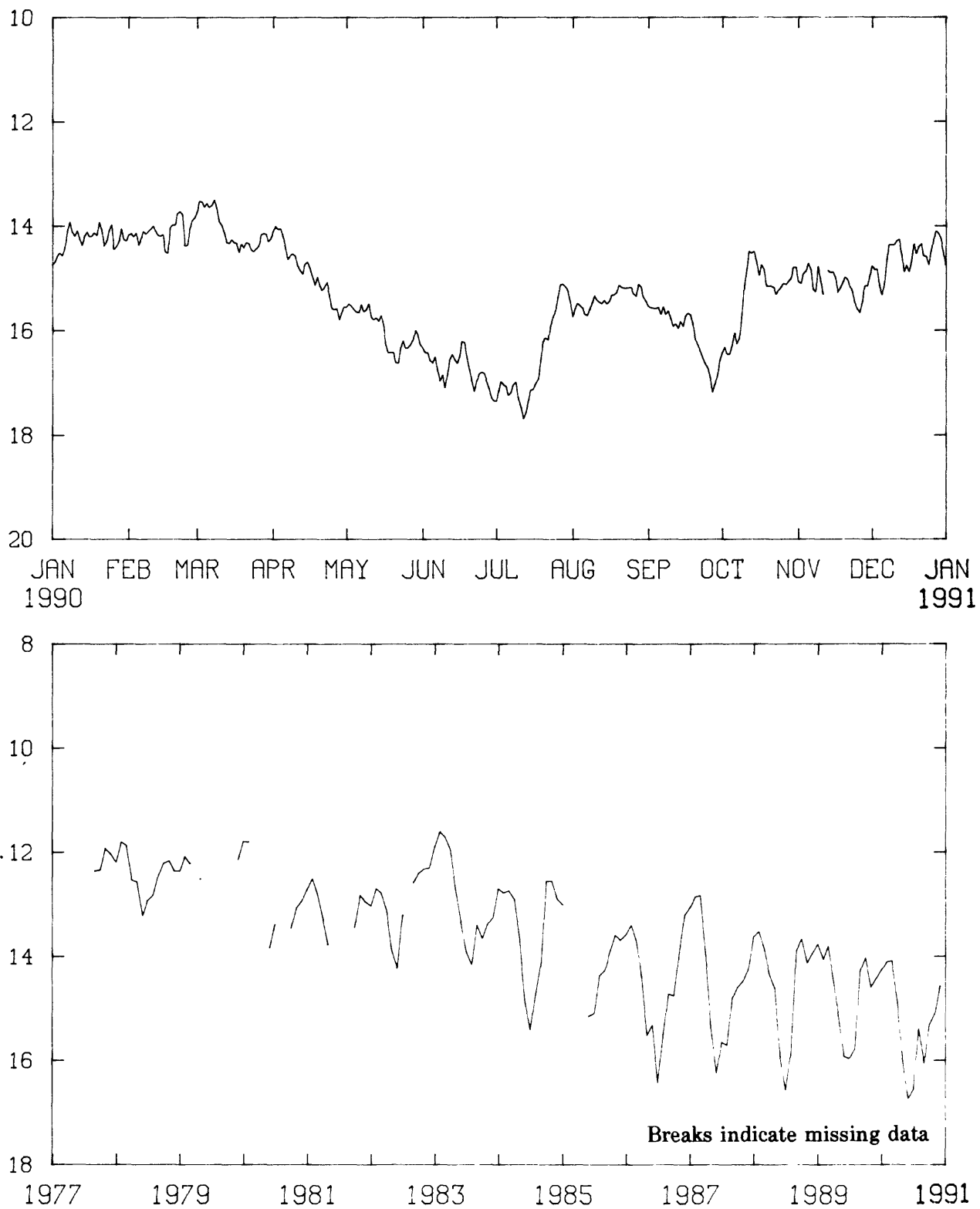


Figure 41.--Water levels in observation well BFT-787.

Table 23.--Characteristics and daily mean water level for well BFT-1809

BEAUFORT COUNTY

321603080432201. Local number, BFT-1809.

LOCATION.--Lat 32°16'03'', long 80°43'22'', Hydrologic Unit 03050208, Dolphin Head Recreation Park on Hilton Head Plantation on Hilton Head Island.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Floridan Aquifer System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 903 ft, cased to 227 ft, open hole from 227 to 903 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.25 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

PERIOD OF RECORD.--August 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 12.20 ft below land-surface datum, Feb. 28, 1987; lowest, 16.16 ft below land-surface datum, July 12, 13, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.17	13.64	13.17	13.37	14.44	15.01	15.83	14.87	14.59	15.24	14.14	14.26
2	14.16	13.63	12.97	13.25	14.43	15.13	15.71	14.78	14.57	15.23	14.11	14.18
3	14.05	13.65	12.94	13.31	14.46	15.10	15.63	14.78	14.59	15.27	14.11	13.98
4	13.97	13.56	13.01	13.28	14.43	15.12	15.71	14.83	14.62	15.34	14.10	14.29
5	13.97	13.70	13.00	13.38	14.45	15.07	15.78	14.87	14.53	15.33	13.96	14.38
6	13.82	13.56	13.04	13.49	14.46	15.10	15.81	14.91	14.56	15.15	14.07	14.17
7	13.54	13.49	12.97	13.66	14.42	15.33	15.86	14.87	14.63	15.19	14.16	13.98
8	13.47	13.51	12.98	13.65	14.57	15.50	15.87	14.83	14.73	15.13	14.14	13.85
9	13.63	13.45	13.05	13.69	14.53	15.53	15.87	14.80	14.70	14.92	13.78	13.95
10	13.67	13.37	13.19	13.67	14.46	15.58	15.94	14.69	14.67	14.48	14.12	13.90
11	13.54	13.37	13.18	13.80	14.67	15.49	16.04	14.70	14.81	14.39	14.37	13.83
12	13.71	13.56	13.29	13.85	14.66	15.39	16.16	14.75	14.74	14.16	14.31	13.77
13	13.82	13.64	13.38	14.04	14.70	15.31	16.16	14.72	14.74	14.20	14.14	13.91
14	13.72	13.66	13.34	13.83	14.79	15.27	16.08	14.72	14.65	14.16	14.20	13.98
15	13.66	13.58	13.33	13.77	14.70	15.21	16.12	14.72	14.65	14.24	14.22	13.85
16	13.72	13.67	13.37	13.84	14.64	15.12	16.12	14.64	14.66	14.26	14.18	14.00
17	13.67	13.78	13.42	13.90	14.81	15.07	16.14	14.50	14.63	14.17	14.17	13.95
18	13.62	13.46	13.63	14.00	14.98	15.06	16.10	14.45	14.66	14.12	14.07	13.72
19	13.66	13.48	13.52	13.99	15.01	15.09	15.88	14.43	14.77	14.19	14.16	13.93
20	13.47	13.45	13.57	14.22	14.97	15.20	15.69	14.48	14.84	14.19	14.21	13.87
21	13.59	13.30	13.52	14.17	15.09	15.34	15.60	14.51	14.89	14.17	14.16	13.87
22	13.76	13.24	13.54	14.06	15.05	15.51	15.54	14.41	14.94	14.19	14.10	13.86
23	13.67	13.22	13.57	13.99	14.82	15.53	15.34	14.36	15.05	14.27	14.13	13.81
24	13.49	13.77	13.54	14.16	14.86	15.48	15.20	14.43	15.18	14.23	14.31	14.03
25	13.43	13.74	13.54	14.33	14.99	15.49	15.04	14.56	15.24	14.34	14.42	13.94
26	13.92	13.55	13.48	14.38	14.95	15.50	14.89	14.60	15.30	14.38	14.51	13.83
27	13.86	13.43	13.34	14.38	14.90	15.55	14.69	14.54	15.46	14.26	14.48	13.68
28	13.73	13.33	13.31	14.36	14.78	15.65	14.59	14.44	15.43	14.21	14.39	13.66
29	13.52	---	13.45	14.45	14.84	15.75	14.59	14.42	15.33	14.19	14.46	13.65
30	13.69	---	13.56	14.49	14.96	15.84	14.65	14.49	15.27	14.17	14.35	13.64
31	13.74	---	13.48	---	15.00	---	14.73	14.55	---	14.14	---	13.75
MEAN	13.72	13.53	13.31	13.89	14.74	15.34	15.59	14.63	14.85	14.51	14.20	13.92
MAX	14.17	13.78	13.63	14.49	15.09	15.84	16.16	14.91	15.46	15.34	14.51	14.38
MIN	13.43	13.22	12.94	13.25	14.42	15.01	14.59	14.36	14.53	14.12	13.78	13.64

CAL YR 1990 MEAN 14.36 HIGH 12.94 LOW 16.16

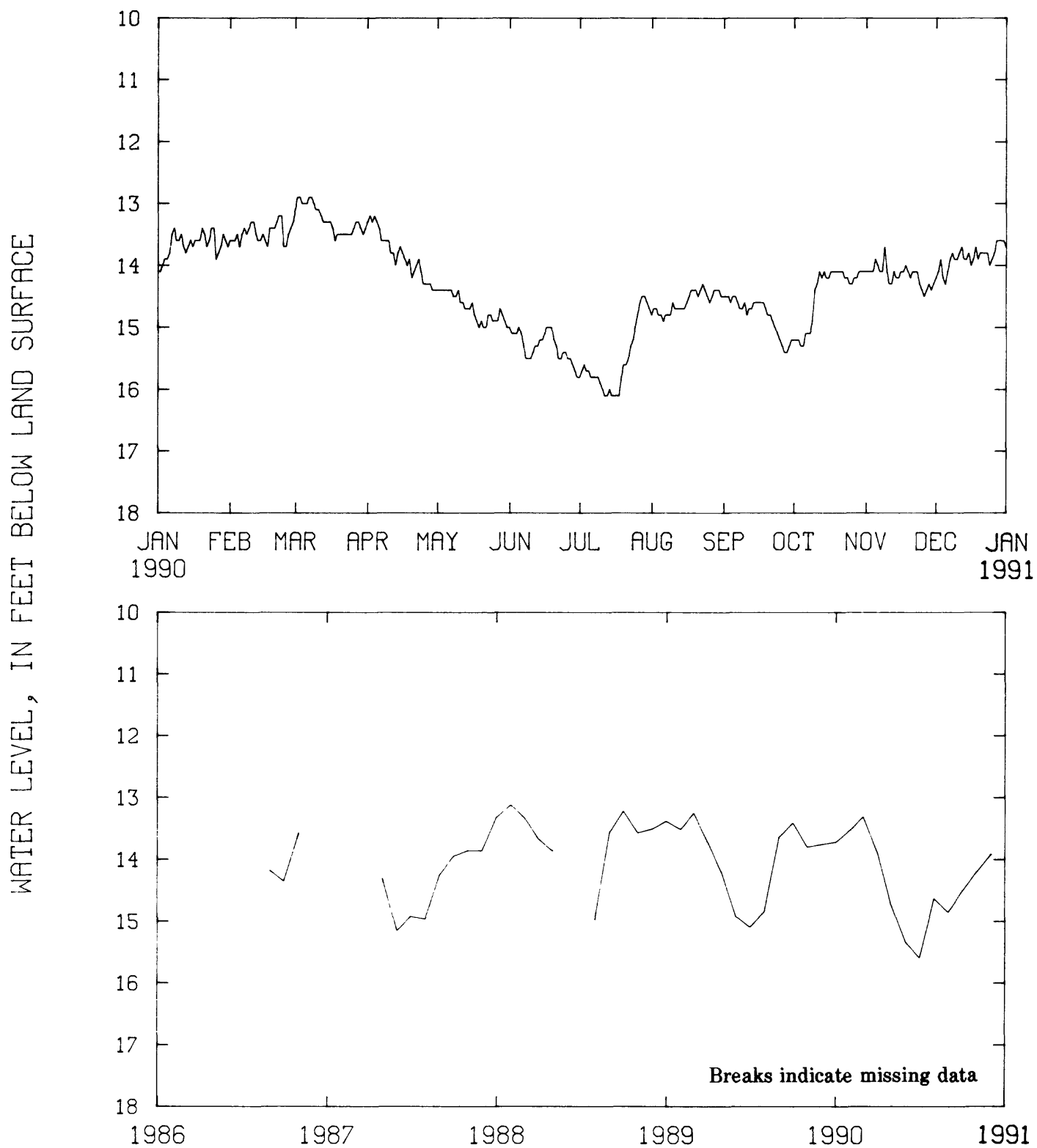


Figure 42.--Water levels in observation well BFT-1809.

Table 24.--Characteristics and daily mean water level for well BFT-1810

BEAUFORT COUNTY

321603080432202. Local number, BFT-1810.

LOCATION.--Lat 32°16'03'', long 80°43'22'', Hydrologic Unit 03050208, at Dolphin Head Recreation Park, on Hilton Head Plantation on Hilton Head Island.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Floridan Aquifer System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 202 ft, cased to 105 ft, open hole from 105 to 202 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch and USGS mini-monitor.

DATUM.--Land-surface datum is 14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, .80 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations. Well also sampled for water quality.

PERIOD OF RECORD.--September 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 11.6441 ft below land-surface datum, Dec. 24, 1986; lowest, 16.18 ft below land-surface datum, July 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	12.93	13.10	---	14.33	14.87	15.83	14.53	14.14	14.77	---	---
2	13.80	13.43	13.17	---	14.38	14.93	15.52	14.35	14.19	14.74	---	---
3	13.70	13.30	13.19	---	---	14.98	15.44	14.26	14.28	14.88	---	---
4	13.70	13.57	13.40	---	14.37	15.15	15.44	14.45	14.13	14.87	---	---
5	---	13.08	---	---	14.52	15.11	15.54	14.58	14.15	14.75	---	---
6	---	13.62	---	---	14.53	15.11	15.73	14.68	14.34	14.57	---	---
7	---	13.55	---	---	14.34	15.39	15.69	14.52	14.36	14.72	---	---
8	13.09	13.96	---	---	14.48	15.56	15.53	14.57	14.52	14.64	---	---
9	13.35	13.51	---	---	14.41	15.51	15.56	14.30	14.43	14.32	---	---
10	13.28	13.31	---	13.70	14.37	15.64	15.75	14.12	14.39	13.78	---	---
11	---	13.42	---	13.99	14.68	15.45	15.97	14.19	14.44	13.60	---	---
12	---	13.43	---	13.88	14.74	15.13	16.18	14.28	14.42	13.36	---	13.38
13	---	13.30	---	13.86	14.73	14.99	16.15	14.23	14.46	13.45	---	13.61
14	13.14	13.19	---	13.63	14.74	15.00	15.88	14.21	14.35	13.41	---	13.76
15	13.24	13.43	---	13.74	14.64	15.10	15.70	14.26	14.43	13.54	---	13.61
16	---	13.43	---	13.89	14.67	15.00	15.69	14.20	14.32	13.65	---	13.81
17	13.40	13.53	---	14.12	15.09	14.79	15.62	14.01	14.13	13.60	---	13.73
18	---	13.58	---	13.99	15.20	14.77	15.57	13.95	14.25	13.71	---	13.47
19	---	13.67	---	13.97	15.15	15.03	15.24	13.96	14.31	---	---	13.75
20	---	13.43	---	14.21	15.10	15.16	15.00	13.95	14.48	---	---	13.56
21	---	13.24	---	14.22	15.24	15.33	14.96	14.01	14.65	---	---	13.57
22	---	13.31	---	13.99	15.22	15.51	14.97	13.97	14.78	---	---	13.63
23	---	12.93	---	14.12	14.84	15.40	14.70	13.90	14.96	---	---	13.62
24	13.27	12.98	---	14.46	14.81	15.24	14.53	13.94	15.06	---	---	13.91
25	12.98	12.90	---	14.63	14.88	15.23	14.42	13.89	15.06	---	---	13.65
26	13.63	13.02	---	14.47	14.90	15.26	14.21	14.14	15.24	---	---	13.48
27	13.45	12.87	---	14.60	14.84	15.46	13.98	14.11	15.45	---	---	13.31
28	---	12.55	---	14.59	14.74	15.55	13.93	13.96	15.20	---	---	13.35
29	13.22	---	---	14.40	14.66	15.70	14.02	14.10	14.96	---	---	13.37
30	---	---	---	14.47	14.81	15.83	14.07	14.17	14.84	---	---	13.50
31	13.40	---	---	---	14.94	---	14.26	14.05	---	---	---	13.70
MEAN	---	13.30	---	---	---	15.24	15.20	14.19	14.56	---	---	---
MAX	---	13.96	---	---	---	15.83	16.18	14.68	15.45	---	---	---
MIN	---	12.55	---	---	---	14.77	13.93	13.89	14.13	---	---	---

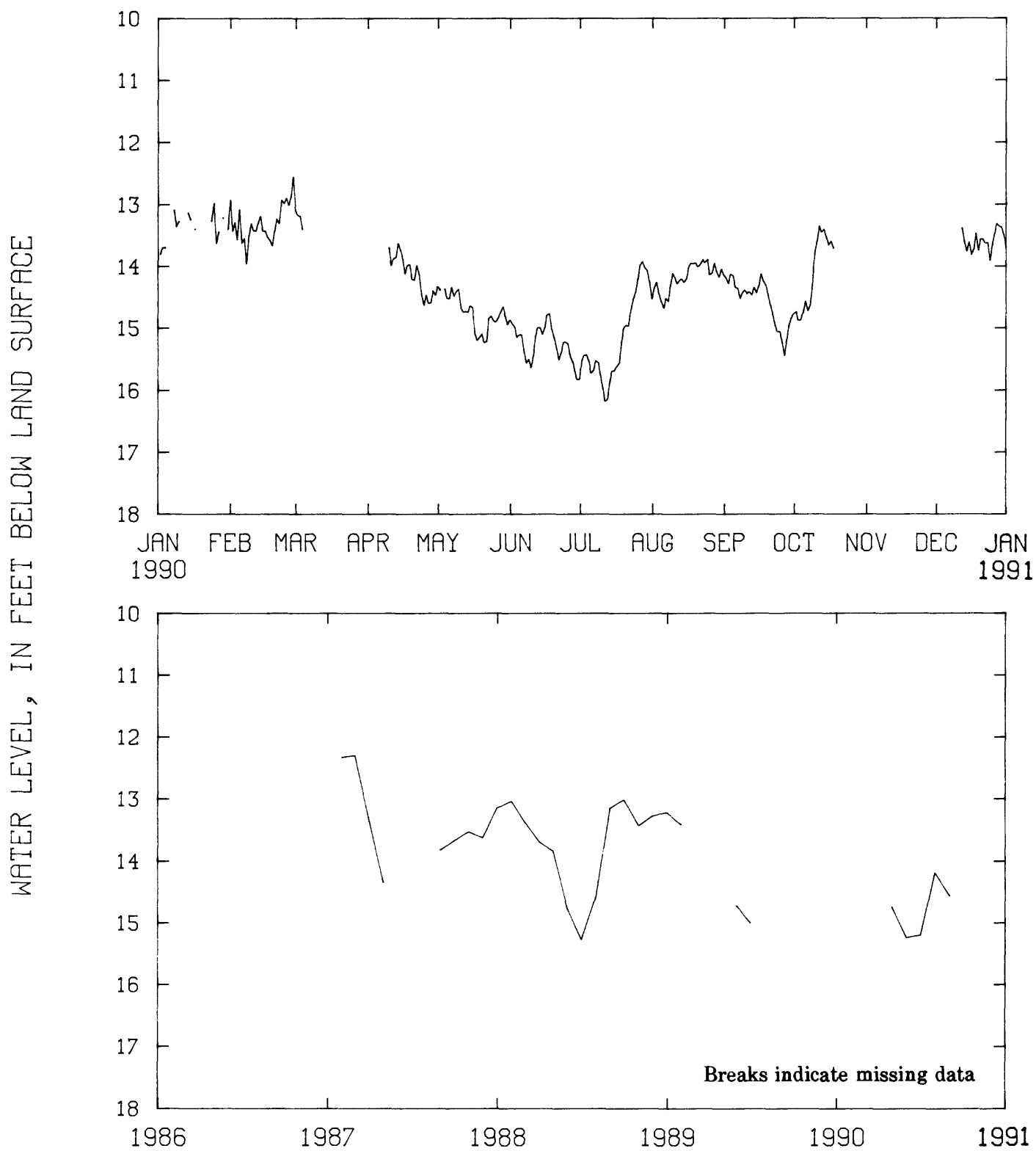


Figure 43.--Water levels in observation well BFT-1810.

Table 25.--Characteristics and daily mean water level for well BFT-1811

BEAUFORT COUNTY

321603080432203. Local number, BFT-1811.

LOCATION.--Lat 32°16'03'', long 80°43'22'', Hydrologic Unit 03050208, at Dolphin Head Recreation Park, at Hilton Head Plantation on Hilton Head Island.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Hawthorn Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 80 ft, cased to 67 ft, screened interval from 67 to 77 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.15 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

PERIOD OF RECORD.--August 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 10.33 ft below land-surface datum, Jan. 6, 1987; lowest, 12.81 ft below land-surface datum, July 23, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.84	11.74	11.31	11.35	12.02	11.92	12.56	11.75	11.61	11.96	11.28	11.65
2	12.01	11.68	11.15	11.31	11.97	11.92	12.56	11.82	11.58	11.94	11.28	11.58
3	11.95	11.72	11.09	11.34	11.92	12.04	12.39	11.74	11.57	11.94	11.25	11.50
4	11.91	11.75	11.18	11.42	11.91	12.13	12.26	11.71	11.61	11.91	11.26	11.52
5	11.93	11.83	11.13	11.44	11.94	12.22	12.28	11.76	11.57	11.95	11.28	11.77
6	11.93	11.73	11.09	11.50	12.05	12.07	12.40	11.83	11.55	11.88	11.27	11.76
7	11.80	11.59	11.10	11.61	11.97	12.09	12.44	11.87	11.60	11.83	11.33	11.62
8	11.52	11.56	10.94	11.64	11.92	12.25	12.37	11.83	11.70	11.86	11.33	11.43
9	11.56	11.51	10.95	11.55	11.94	12.37	12.31	11.80	11.77	11.81	11.14	11.37
10	11.62	11.49	11.13	11.53	11.93	12.42	12.34	11.76	11.71	11.56	11.00	11.38
11	11.65	11.50	11.27	11.62	12.05	12.48	12.57	11.71	11.68	11.30	11.43	11.42
12	11.65	11.51	11.34	11.82	12.12	12.31	12.64	11.74	11.64	11.10	11.56	11.36
13	11.81	11.59	11.45	11.81	12.08	12.09	12.68	11.77	11.61	11.12	11.56	11.43
14	11.72	11.67	11.53	11.73	12.13	12.02	12.63	11.80	11.58	11.19	11.46	11.61
15	11.62	11.72	11.51	11.63	12.13	12.03	12.62	11.86	11.59	11.25	11.43	11.58
16	11.61	11.75	11.49	11.66	12.03	11.98	12.62	11.89	11.66	11.34	11.44	11.56
17	11.66	11.87	11.51	11.71	12.05	11.81	12.59	11.80	11.61	11.32	11.47	11.68
18	11.66	11.82	11.67	11.77	12.21	11.74	12.55	11.67	11.48	11.28	11.47	11.60
19	11.71	11.56	11.73	11.63	12.27	11.79	12.48	11.59	11.45	11.39	11.39	11.57
20	11.68	11.61	11.67	11.58	12.27	11.91	12.36	11.54	11.50	11.39	11.44	11.61
21	11.63	11.45	11.65	11.72	12.29	11.98	12.27	11.56	11.61	11.35	11.45	11.50
22	11.82	11.31	11.57	11.81	12.33	12.09	12.26	11.56	11.71	11.38	11.39	11.54
23	11.90	11.39	11.58	11.72	12.22	12.22	12.21	11.48	11.85	11.50	11.41	11.57
24	11.80	11.62	11.63	11.69	11.95	12.26	12.08	11.47	11.93	11.61	11.57	11.64
25	11.66	11.88	11.58	11.78	11.87	12.20	11.93	11.54	11.95	11.59	11.70	11.77
26	11.73	11.75	11.53	11.90	11.89	12.14	11.75	11.67	12.01	11.75	11.80	11.62
27	11.93	11.50	11.35	11.94	11.91	12.12	11.55	11.74	12.15	11.58	11.85	11.47
28	11.89	11.37	11.16	11.94	11.89	12.19	11.42	11.73	12.19	11.39	11.80	11.37
29	11.77	---	11.09	11.93	11.81	12.31	11.38	11.68	12.10	11.33	11.78	11.38
30	11.74	---	11.21	11.94	11.91	12.42	11.43	11.71	12.00	11.28	11.82	11.43
31	11.77	---	11.29	---	11.95	---	11.57	11.69	---	11.26	---	11.49
MEAN	11.76	11.62	11.35	11.67	12.03	12.12	12.24	11.71	11.72	11.53	11.45	11.54
MAX	12.01	11.88	11.73	11.94	12.33	12.48	12.68	11.89	12.19	11.96	11.85	11.77
MIN	11.52	11.31	10.94	11.31	11.81	11.74	11.38	11.47	11.45	11.10	11.00	11.36

CAL YR 1990 MEAN 11.73 HIGH 10.94 LOW 12.68

WATER LEVEL, IN FEET BELOW LAND SURFACE

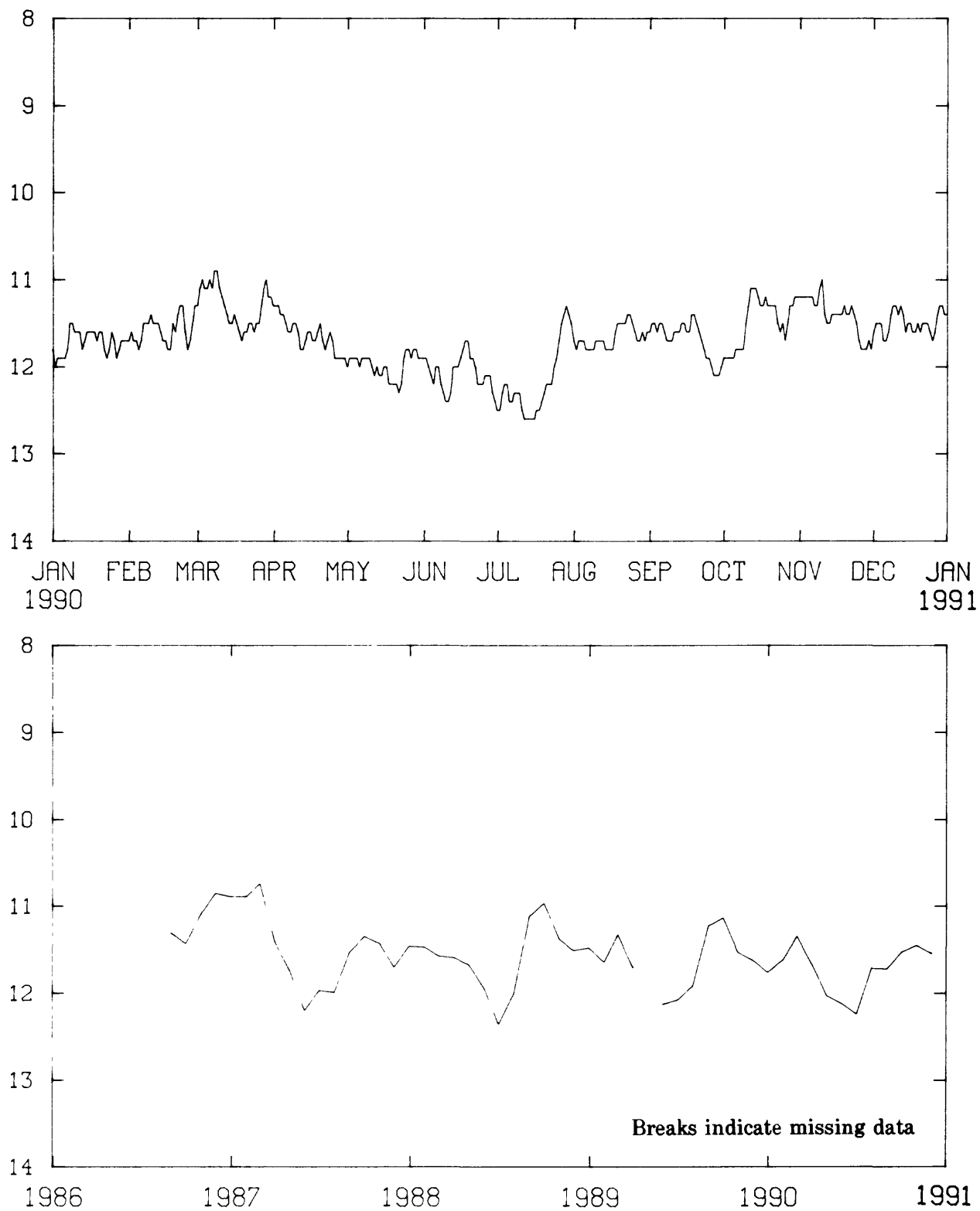


Figure 44.--Water levels in observation well BFT-1811.

Table 26.--Characteristics and daily mean water level for well BFT-1812

BEAUFORT COUNTY

321603080432204. Local number, BFT-1812.

LOCATION.--Lat 32°16'03'', long 80°43'22'', Hydrologic Unit 03050208, at Dolphin Head Recreation Park on Hilton Head Plantation on Hilton Head Island.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Surficial Aquifer System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 30 ft, cased to 21 ft, screened interval from 21 to 30 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--August 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 7.17 ft below land-surface datum, Sept. 20, 1988; lowest, 10.19 ft below land-surface datum, Sept. 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	8.21	8.15	8.21	8.64	9.12	9.74	9.83	9.91	10.18	9.02	9.06
2	---	8.21	8.12	8.22	8.68	9.14	9.76	9.85	9.91	10.16	9.01	9.02
3	---	8.23	8.11	8.25	8.70	9.18	9.75	9.85	9.89	10.14	8.99	8.98
4	---	8.26	8.14	8.29	8.70	9.22	9.74	9.85	9.88	10.10	8.99	8.98
5	---	8.28	8.14	8.31	8.72	9.24	9.75	9.85	9.85	10.04	8.99	9.02
6	---	8.29	8.14	8.33	8.75	9.23	9.79	9.87	9.85	9.97	9.00	9.03
7	8.50	8.25	8.15	8.35	8.75	9.25	9.81	9.86	9.86	9.91	9.02	9.03
8	8.40	8.26	8.10	8.37	8.75	9.29	9.81	9.77	9.89	9.89	9.05	9.02
9	8.35	8.25	8.08	8.36	8.77	9.34	---	9.74	9.91	9.88	9.02	9.01
10	8.24	8.24	8.12	8.36	8.78	9.38	9.79	9.72	9.92	9.79	8.96	9.04
11	8.15	8.24	8.14	8.39	8.82	9.41	9.80	9.72	9.92	9.64	8.99	9.07
12	8.10	8.27	8.16	8.44	8.85	9.39	9.85	9.72	9.92	9.43	9.00	9.07
13	8.08	8.30	8.19	8.45	8.86	9.38	9.89	9.73	9.93	9.22	9.02	9.07
14	8.05	8.34	8.21	8.46	8.87	9.39	9.89	9.73	9.93	9.07	9.01	9.10
15	8.03	8.37	8.22	8.45	8.91	9.42	9.87	9.73	9.94	9.00	9.00	9.11
16	8.03	8.39	8.24	8.47	8.93	9.41	9.88	9.75	9.94	8.96	9.00	9.11
17	8.05	8.41	8.25	8.49	8.94	9.36	9.90	9.73	9.93	8.92	9.00	9.11
18	8.06	8.43	8.28	8.51	8.98	9.36	9.88	9.66	9.90	8.89	9.02	9.11
19	8.07	8.39	8.31	8.51	9.01	9.38	9.80	9.61	9.89	8.89	9.01	9.12
20	8.07	8.38	8.32	8.49	9.02	9.39	9.71	9.59	9.91	8.89	9.03	9.11
21	8.07	8.35	8.34	8.50	9.03	9.40	9.69	9.59	9.94	8.88	9.05	9.09
22	8.08	8.29	8.34	8.51	9.02	9.42	9.69	9.61	9.99	8.89	9.05	9.09
23	8.12	8.26	8.33	8.49	9.00	9.44	9.68	9.57	10.04	8.91	9.05	9.09
24	8.13	8.28	8.33	8.49	8.93	9.47	9.64	9.56	10.09	8.95	9.06	9.10
25	8.13	8.32	8.32	8.50	8.93	9.48	9.64	9.58	10.11	8.97	9.10	9.12
26	8.14	8.28	8.30	8.52	8.95	9.50	9.58	9.63	10.14	9.00	9.13	9.12
27	8.18	8.20	8.24	8.53	8.98	9.53	9.59	9.71	10.17	9.01	9.14	9.10
28	8.18	8.17	8.20	8.54	9.01	9.57	9.59	9.79	10.19	9.01	9.14	9.07
29	8.17	---	8.18	8.54	9.00	9.62	9.62	9.86	---	9.01	9.12	9.04
30	8.18	---	8.21	8.57	9.08	9.68	9.66	9.90	---	9.03	9.10	9.02
31	8.19	---	8.18	---	9.11	---	9.75	9.91	---	9.02	---	9.01
MEAN	---	8.29	8.21	8.43	8.89	9.38	---	9.74	---	9.34	9.04	9.07
MAX	---	8.43	8.34	8.57	9.11	9.68	---	9.91	---	10.18	9.14	9.12
MIN	---	8.17	8.08	8.21	8.64	9.12	---	9.56	---	8.88	8.96	8.98

WATER LEVEL, IN FEET BELOW LAND SURFACE

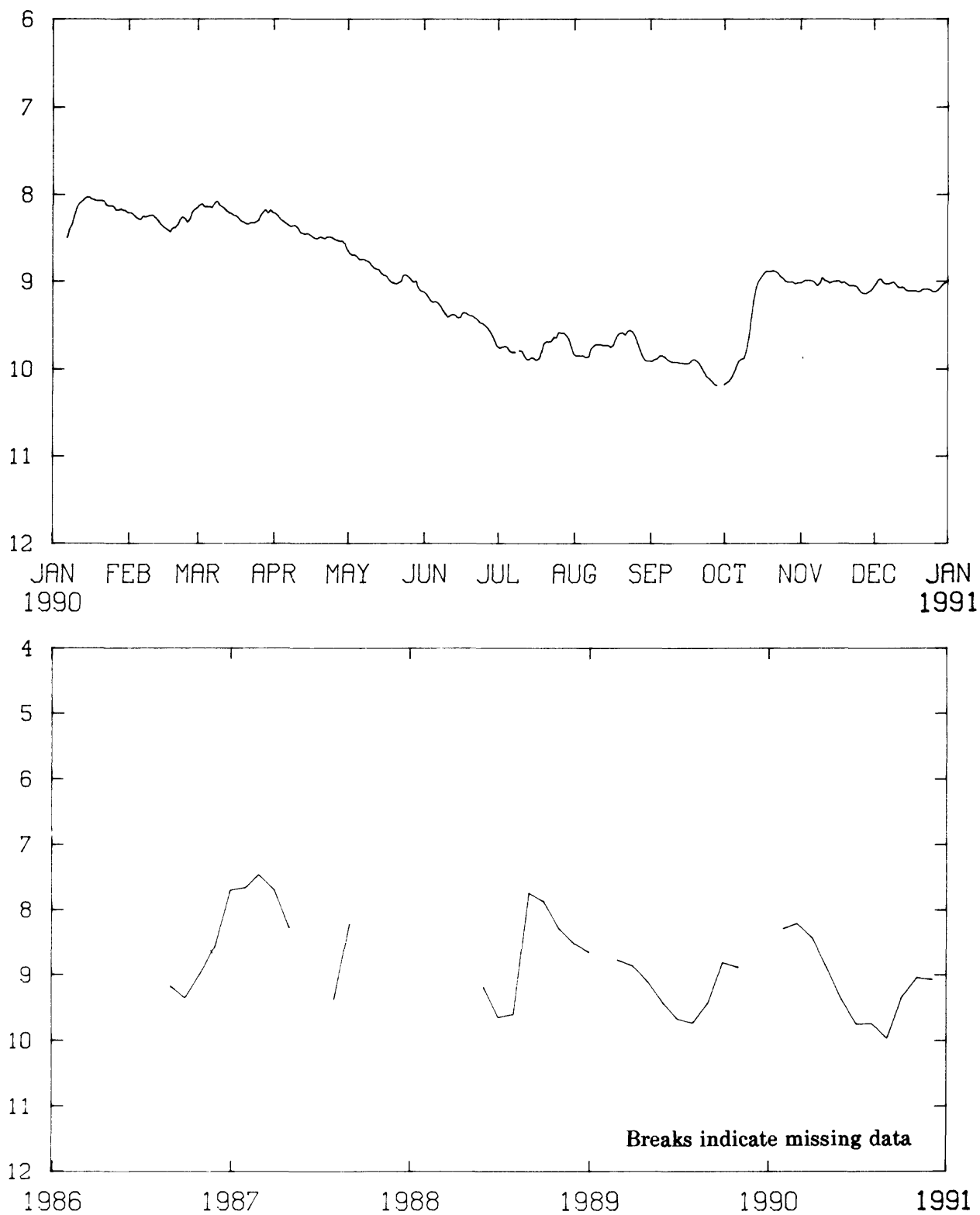


Figure 45.--Water levels in observation well BFT-1812.

Table 27.--Characteristics and daily mean water level for well BFT-1814

BEAUFORT COUNTY

321358080403802. Local number, BFT-1814.

LOCATION.--Lat 32°13'58'', long 80°40'38'', Hydrologic Unit 03050208, at Ft. Walker, Port Royal Plantation, on Hilton Head Island.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Floridan Aquifer System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 210 ft, cased to 120 ft, open hole from 120 to 210 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.20 ft above land-surface datum.

REMARKS.--Water level affected by pumping.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 11.35 ft below land-surface datum, Jan. 1, 1987; lowest, 16.73 ft below land-surface datum, July 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990

MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.82	12.94	12.82	13.22	14.77	15.54	16.44	14.84	14.51	15.67	14.03	13.81
2	13.76	13.14	12.61	13.10	14.64	15.71	16.29	14.63	14.56	15.73	14.11	13.82
3	13.65	13.20	12.64	13.14	14.71	15.69	16.05	14.55	14.58	15.78	14.00	13.79
4	13.57	13.12	12.66	13.11	14.75	15.82	16.19	14.57	14.59	15.70	13.91	14.16
5	13.60	13.31	12.59	13.26	14.70	15.77	16.26	14.58	14.60	15.49	13.77	14.31
6	13.47	13.21	12.69	13.49	14.67	15.54	16.33	14.65	14.65	15.22	13.88	14.09
7	13.11	13.13	12.64	13.71	14.54	15.99	16.24	14.73	14.63	15.35	14.16	13.71
8	12.99	13.26	12.55	13.66	14.75	16.16	16.13	14.67	14.74	15.29	14.14	13.40
9	13.19	13.19	12.77	13.62	14.70	16.05	16.09	14.55	14.64	14.83	13.71	13.41
10	13.27	13.16	13.04	13.68	14.62	16.28	16.40	14.44	14.75	14.15	14.19	13.40
11	13.13	13.10	13.08	13.86	14.80	15.98	16.54	14.53	15.02	13.90	14.40	13.29
12	13.31	13.21	13.23	13.90	14.78	15.63	16.73	14.56	15.20	13.54	14.19	13.30
13	13.39	13.29	13.48	13.96	14.76	15.71	16.62	14.58	15.27	13.57	14.01	13.56
14	13.25	13.27	13.45	13.82	14.88	15.83	16.41	14.51	15.08	13.56	14.02	13.80
15	13.16	13.22	13.40	13.81	14.74	15.87	16.31	14.58	15.18	13.80	13.97	13.71
16	13.26	13.55	13.44	13.89	14.93	15.69	16.26	14.50	14.95	14.00	14.14	13.85
17	13.21	13.61	13.46	14.00	15.35	15.28	16.12	14.34	14.97	13.88	14.36	13.68
18	13.10	13.09	13.62	14.07	15.57	15.37	15.99	14.37	14.98	13.93	14.20	13.34
19	13.16	13.04	13.42	13.97	15.58	15.74	15.62	14.35	15.13	14.20	14.22	13.52
20	12.90	13.03	13.48	14.23	15.63	16.01	15.30	14.24	15.37	14.21	14.15	13.35
21	13.08	12.84	13.36	14.27	15.86	16.26	15.24	14.28	15.31	14.17	14.10	13.33
22	13.15	12.83	13.41	14.21	15.89	16.49	15.28	14.25	15.54	14.25	14.24	13.49
23	13.24	12.87	13.51	14.10	15.53	16.28	15.04	14.22	15.53	14.32	14.36	13.52
24	13.09	13.50	13.52	14.39	15.45	16.24	14.88	14.24	15.68	14.25	14.58	13.71
25	13.15	13.44	13.51	14.57	15.64	16.20	14.74	14.28	15.82	14.19	14.67	13.44
26	13.57	13.12	13.44	14.65	15.69	16.21	14.48	14.37	15.99	14.05	14.74	13.23
27	13.38	13.00	13.26	14.64	15.60	16.22	14.22	14.37	16.36	14.02	14.51	13.08
28	13.20	12.96	13.24	14.88	15.34	16.28	14.20	14.16	16.30	13.98	14.28	13.14
29	13.06	---	13.31	14.82	15.26	16.54	14.25	14.23	16.19	13.94	14.30	13.27
30	13.17	---	13.38	14.78	15.40	16.51	14.32	14.33	15.81	13.78	14.04	13.45
31	13.18	---	13.34	---	15.49	---	14.57	14.40	---	13.85	---	13.69
MEAN	13.28	13.17	13.17	13.96	15.13	15.96	15.66	14.45	15.20	14.41	14.18	13.57
MAX	13.82	13.61	13.62	14.88	15.89	16.54	16.73	14.84	16.36	15.78	14.74	14.31
MIN	12.90	12.83	12.55	13.10	14.54	15.28	14.20	14.16	14.51	13.54	13.71	13.08

CAL YR 1990 MEAN 14.35 HIGH 12.55 LOW 16.73

WATER LEVEL, IN FEET BELOW LAND SURFACE

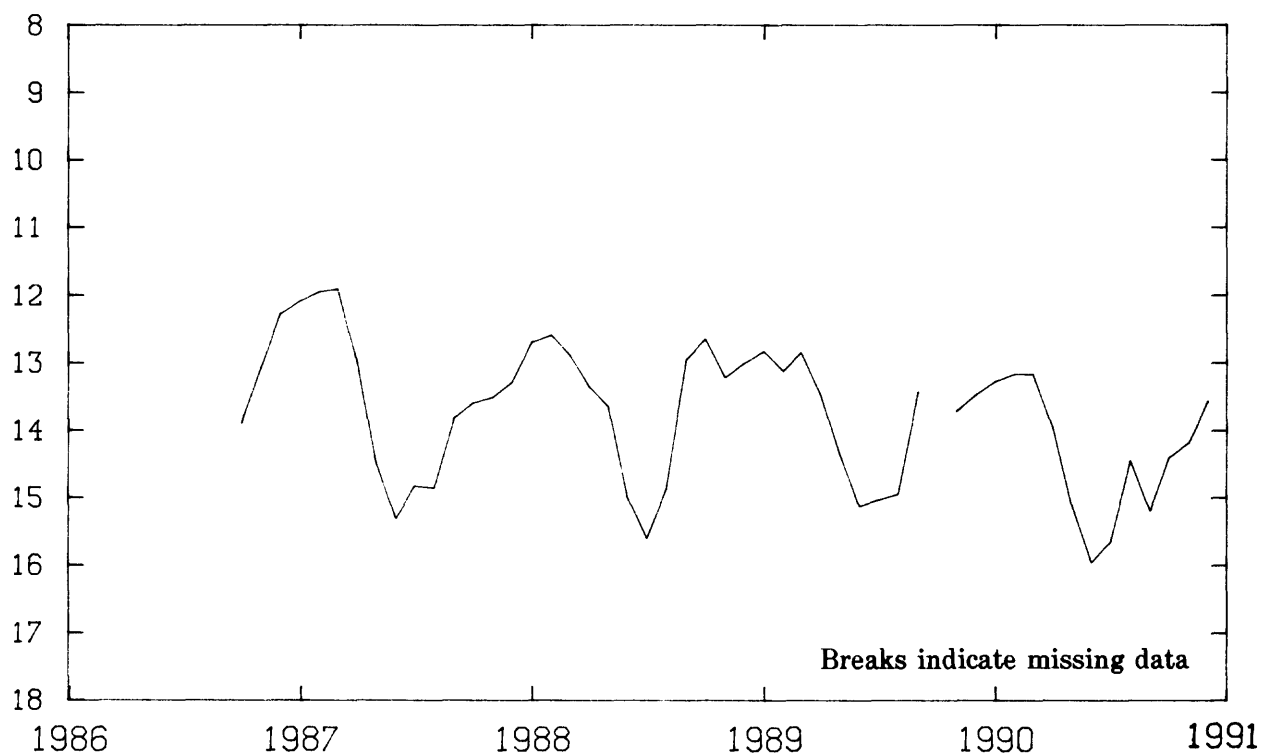
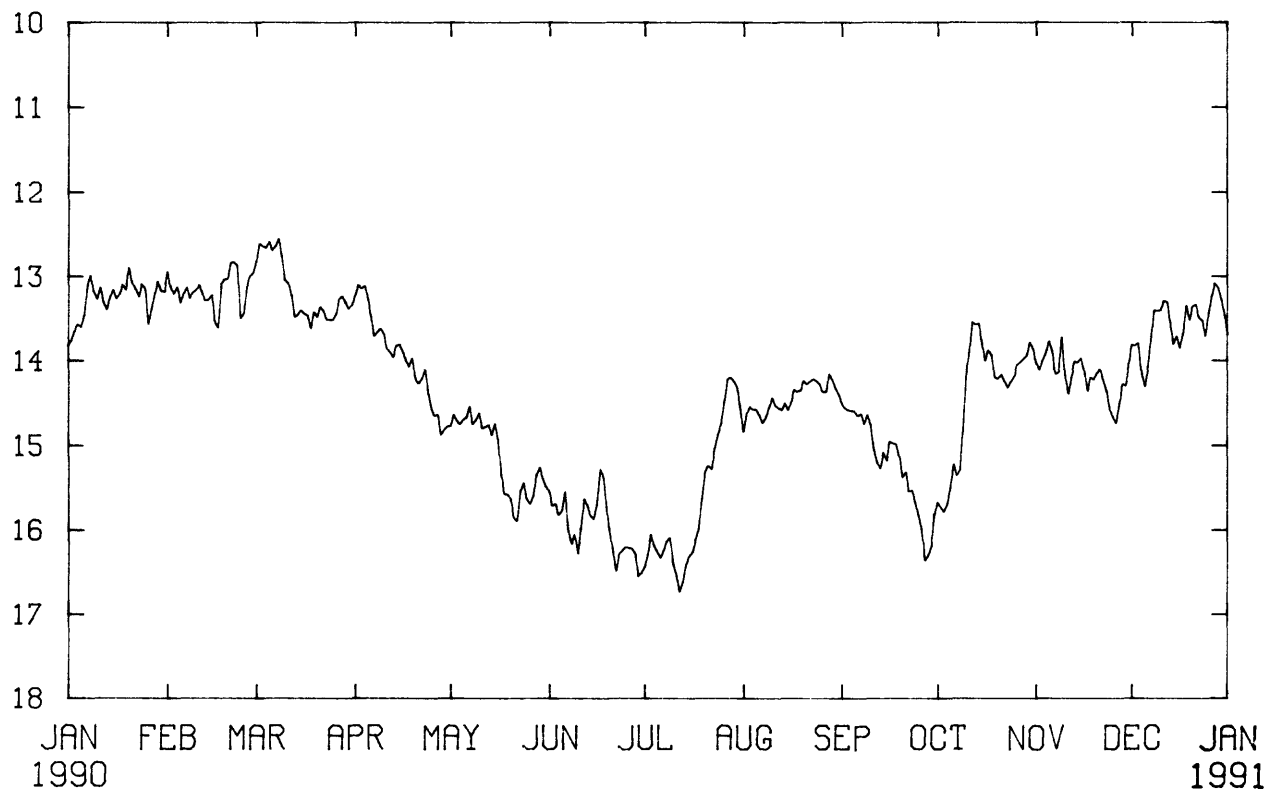


Figure 46.—Water levels in observation well BFT-1814.

Table 28.--Characteristics and daily mean water level for well BRK-91

BERKELEY COUNTY

330218080080700. Local number, BRK-91.

LOCATION.--Lat 33°02'18'', long 80°08'07'', Hydrologic Unit 03050201, 0.6 mi northeast of U.S. I-26 on U.S. Highway 17A and 0.1 mi south of front entrance of Berkeley-Sangaree Public Service District.

Owner: Berkeley-Sangaree Public Service District.

AQUIFER.--Black Mingo Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 434 ft, cased to 75 ft, open hole from 75 to 434 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

DATUM.--Land-surface datum is 69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 85.47 ft below land-surface datum, June 16, 1978; lowest, 139.98 ft below land-surface datum, Sept. 18, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	133.81	135.51	135.00	134.44	135.10	137.22	139.19	139.64	140.35	139.50	139.70	138.33
2	134.00	135.49	134.88	134.43	135.21	137.25	139.07	139.65	140.30	139.35	139.77	138.22
3	133.91	135.51	134.66	134.35	135.36	137.22	139.20	139.66	140.22	139.31	139.83	138.11
4	133.76	135.46	134.75	134.42	135.43	137.18	139.37	139.73	140.23	139.24	139.79	138.07
5	133.72	135.61	134.79	134.53	135.38	137.25	139.34	139.77	140.28	139.15	139.63	138.20
6	133.80	135.71	134.73	134.60	135.43	137.38	139.38	139.77	140.18	139.09	139.62	138.13
7	---	135.61	134.69	134.67	135.58	137.44	139.43	---	140.14	139.07	139.65	138.04
8	---	135.67	134.63	134.85	135.69	137.53	139.50	---	140.18	139.03	139.64	137.98
9	---	135.66	134.46	134.88	135.72	137.60	139.42	---	140.24	139.00	139.58	138.07
10	---	135.58	134.41	134.76	135.65	137.60	139.38	139.78	140.25	138.91	139.31	138.02
11	134.00	135.72	134.40	134.57	135.88	137.62	139.38	139.81	140.28	138.82	139.51	137.90
12	133.99	135.91	134.38	134.73	136.03	137.73	139.40	139.84	140.33	138.75	139.48	137.75
13	134.24	136.03	134.36	134.84	136.00	137.81	139.42	139.78	140.34	138.72	139.48	137.59
14	134.35	136.01	134.32	134.82	136.03	137.86	139.51	139.71	140.33	138.77	139.61	137.53
15	134.35	135.98	134.33	134.66	---	137.95	139.70	139.75	140.28	138.85	139.64	137.40
16	134.34	135.93	134.34	134.59	---	138.12	139.94	139.81	140.28	138.97	139.46	137.15
17	134.34	135.92	134.26	134.58	---	138.25	140.04	139.92	140.35	139.03	139.22	136.96
18	134.34	135.96	134.28	134.71	---	138.28	140.03	140.05	140.48	139.01	139.07	136.69
19	134.38	135.72	134.38	134.87	---	138.33	139.99	140.06	140.46	139.11	138.80	136.60
20	134.42	135.79	134.37	134.90	---	138.52	139.94	140.09	140.42	139.24	138.67	136.52
21	134.39	135.87	134.49	134.82	136.43	138.62	139.83	140.10	140.45	139.24	138.64	136.23
22	134.51	135.62	134.49	134.70	136.47	138.72	139.76	140.07	140.40	139.22	138.56	135.95
23	134.63	135.39	134.45	134.76	136.60	138.76	139.66	140.02	140.30	139.12	138.39	135.67
24	134.72	135.37	134.44	134.83	136.66	138.81	139.68	140.04	140.32	139.16	138.33	135.47
25	134.80	135.47	134.44	134.89	136.70	138.93	139.83	140.14	140.22	139.16	138.40	135.45
26	134.97	135.51	134.45	134.89	136.69	138.99	139.85	140.22	140.06	139.29	138.41	135.27
27	135.21	135.32	134.47	134.96	136.66	139.05	139.82	140.18	140.01	139.48	138.44	135.07
28	135.24	135.09	134.54	135.00	136.65	139.13	139.78	140.19	140.01	139.48	138.44	134.84
29	135.19	---	134.50	135.03	136.68	139.19	139.77	140.24	139.95	139.45	138.38	134.67
30	135.28	---	134.51	135.06	136.88	139.23	139.70	140.23	139.73	139.54	138.35	134.48
31	135.41	---	134.44	---	137.05	---	139.63	140.29	---	139.51	---	134.34
MEAN	---	135.66	134.50	134.74	---	138.12	139.61	---	140.25	139.15	139.13	136.80
MAX	---	136.03	135.00	135.06	---	139.23	140.04	---	140.48	139.54	139.83	138.33
MIN	---	135.09	134.26	134.35	---	137.18	139.07	---	139.73	138.72	138.33	134.34

WATER LEVEL, IN FEET BELOW LAND SURFACE

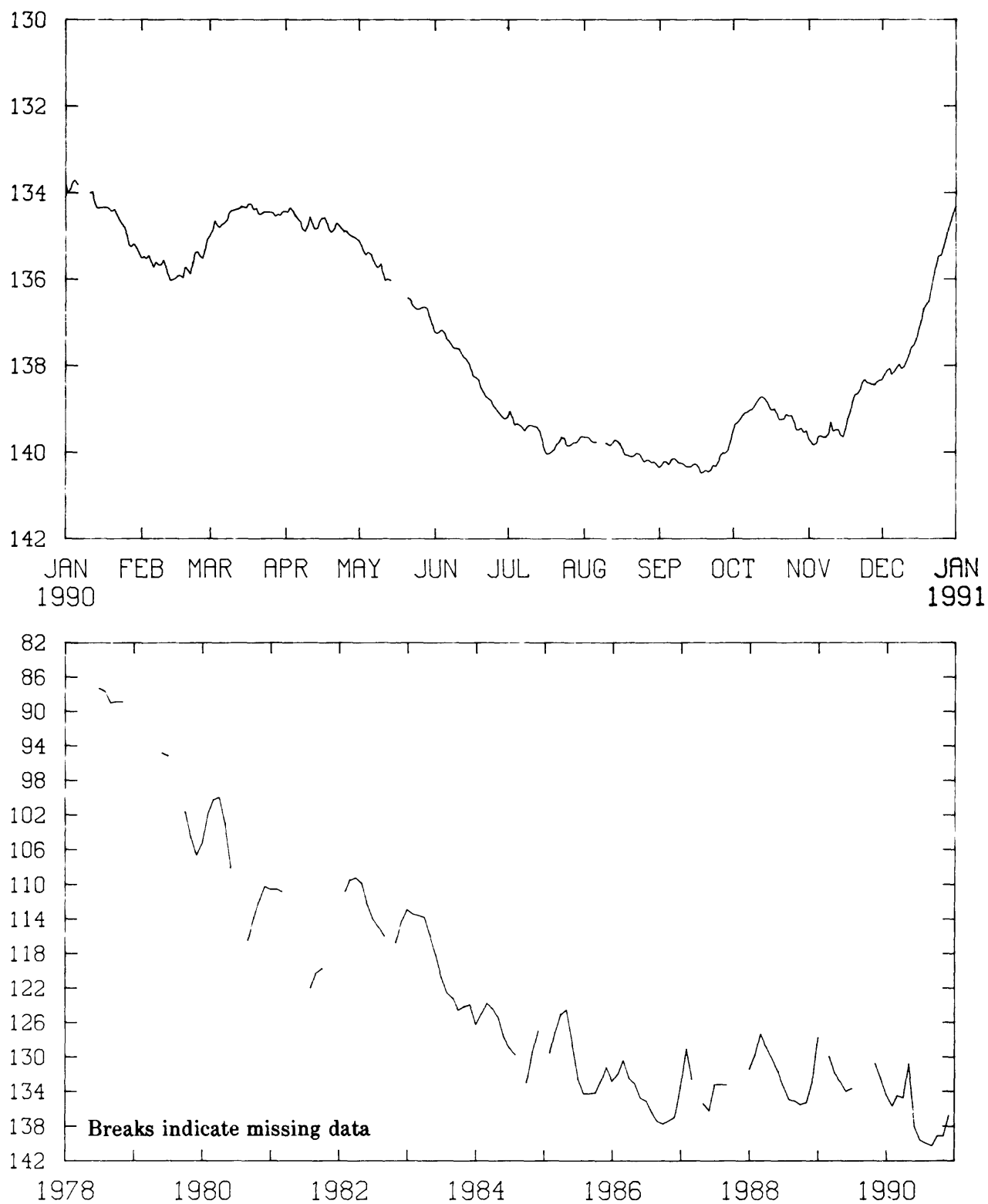


Figure 47.--Water levels in observation well BRK-91.

Table 29.--Characteristics and daily mean water level for well BRK-431

BERKELEY COUNTY

331022080021801. Local number, BRK-431.

LOCATION.--Lat 33°10'22'', long 80°02'18'', Hydrologic Unit 03050201, Near Moncks Corner, S C. in Conifer Hall

Subdivision at the end of Resinwood Dr, approximately 300 ft from Hwy 17A, and 100 ft from well number BRK-190.

OWNER: Berkeley County Water and Sewer Authority.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation test well, diameter 5 in. from the surface to 1419 ft, 3 in.

from 1419 to 1704 ft, depth 1704 ft, screened intervals 1602 to 1607 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.80 ft above land-surface datum.

REMARKS.--Flowing well in 1982. Geophysical logs available in District files.

PERIOD OF RECORDS.--September 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.03 ft below land-surface datum, Sept. 15, 1989; lowest 8.77 ft below land-surface datum, Dec. 27, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.55	3.15	3.66	3.76	4.38	5.11	5.52	6.09	6.54	7.21	7.57	8.22
2	2.72	3.13	3.62	3.76	4.43	5.17	5.49	6.15	6.58	7.25	7.60	8.18
3	2.73	3.13	3.49	3.73	4.51	5.15	5.57	6.18	6.60	7.30	7.61	8.12
4	2.70	3.09	3.61	3.75	4.55	5.07	5.63	6.21	6.66	7.30	7.58	8.09
5	2.67	3.19	3.70	3.80	4.49	5.07	5.62	6.23	6.66	7.29	7.51	8.22
6	2.63	3.27	3.76	3.87	4.48	5.16	5.60	6.23	6.63	7.30	7.55	8.19
7	2.63	3.23	3.84	3.92	4.56	5.19	5.66	6.18	6.62	7.32	7.64	8.16
8	2.51	3.27	3.90	4.05	4.64	5.20	5.73	6.19	6.65	7.35	7.71	8.15
9	2.62	3.25	3.85	4.10	4.64	5.22	5.77	6.13	6.67	7.38	7.66	8.26
10	2.64	3.15	3.82	4.07	4.53	5.22	5.76	6.12	6.69	7.28	7.46	8.25
11	2.64	3.18	3.84	3.96	4.61	5.22	5.78	6.16	6.73	7.09	7.65	8.27
12	2.61	3.28	3.87	4.07	4.68	5.28	5.82	6.21	6.77	7.00	7.68	8.29
13	2.81	3.33	3.86	4.13	4.69	5.35	5.82	6.22	6.79	7.01	7.75	8.28
14	2.90	3.34	3.85	4.14	4.69	5.34	5.79	6.22	6.77	7.07	7.85	8.34
15	2.90	3.34	3.79	4.08	4.73	5.27	5.80	6.23	6.70	---	7.87	8.37
16	2.91	3.33	3.63	4.07	4.76	5.27	5.89	6.24	6.73	7.26	7.82	8.34
17	2.93	3.35	3.59	4.10	4.74	5.32	5.94	6.23	6.84	7.30	7.76	8.44
18	2.92	3.49	3.60	4.20	4.76	5.32	5.96	6.26	6.94	7.22	7.82	8.43
19	2.92	3.40	3.68	4.32	4.81	5.32	5.97	6.29	6.94	7.27	7.84	8.46
20	2.94	3.48	3.69	4.35	4.81	5.37	5.97	6.31	6.91	7.33	7.88	8.57
21	2.87	3.58	3.80	4.31	4.80	5.43	5.96	6.35	6.93	7.37	7.93	8.59
22	2.90	3.46	3.82	4.24	4.79	5.45	5.90	6.36	6.91	7.31	7.92	8.59
23	2.96	3.34	3.81	4.29	4.87	5.40	5.89	6.35	6.91	7.20	7.85	8.56
24	2.97	3.40	3.82	4.32	4.93	5.44	5.91	6.33	7.02	7.24	7.88	8.56
25	2.94	3.62	3.83	4.35	4.96	5.52	5.95	6.37	7.03	7.19	7.95	8.68
26	3.01	3.78	3.85	4.35	4.97	5.57	5.97	6.42	7.03	7.30	8.01	8.74
27	3.12	3.77	3.88	4.34	4.93	5.59	5.98	6.43	7.08	7.48	8.06	8.77
28	3.12	3.68	3.94	4.34	4.91	5.61	5.97	6.42	7.17	7.48	8.06	8.75
29	3.02	---	3.86	4.35	4.86	5.58	6.00	6.40	7.19	7.51	8.07	8.75
30	3.06	---	3.84	4.36	4.96	5.53	6.02	6.41	7.20	7.56	8.21	8.70
31	3.11	---	3.78	---	5.05	---	6.04	6.47	---	7.56	---	8.71
MEAN	2.84	3.36	3.77	4.12	4.73	5.32	5.83	6.27	6.83	---	7.79	8.42
MAX	3.12	3.78	3.94	4.36	5.05	5.61	6.04	6.47	7.20	---	8.21	8.77
MIN	2.51	3.09	3.49	3.73	4.38	5.07	5.49	6.09	6.54	---	7.46	8.09

WATER LEVEL, IN FEET BELOW LAND SURFACE

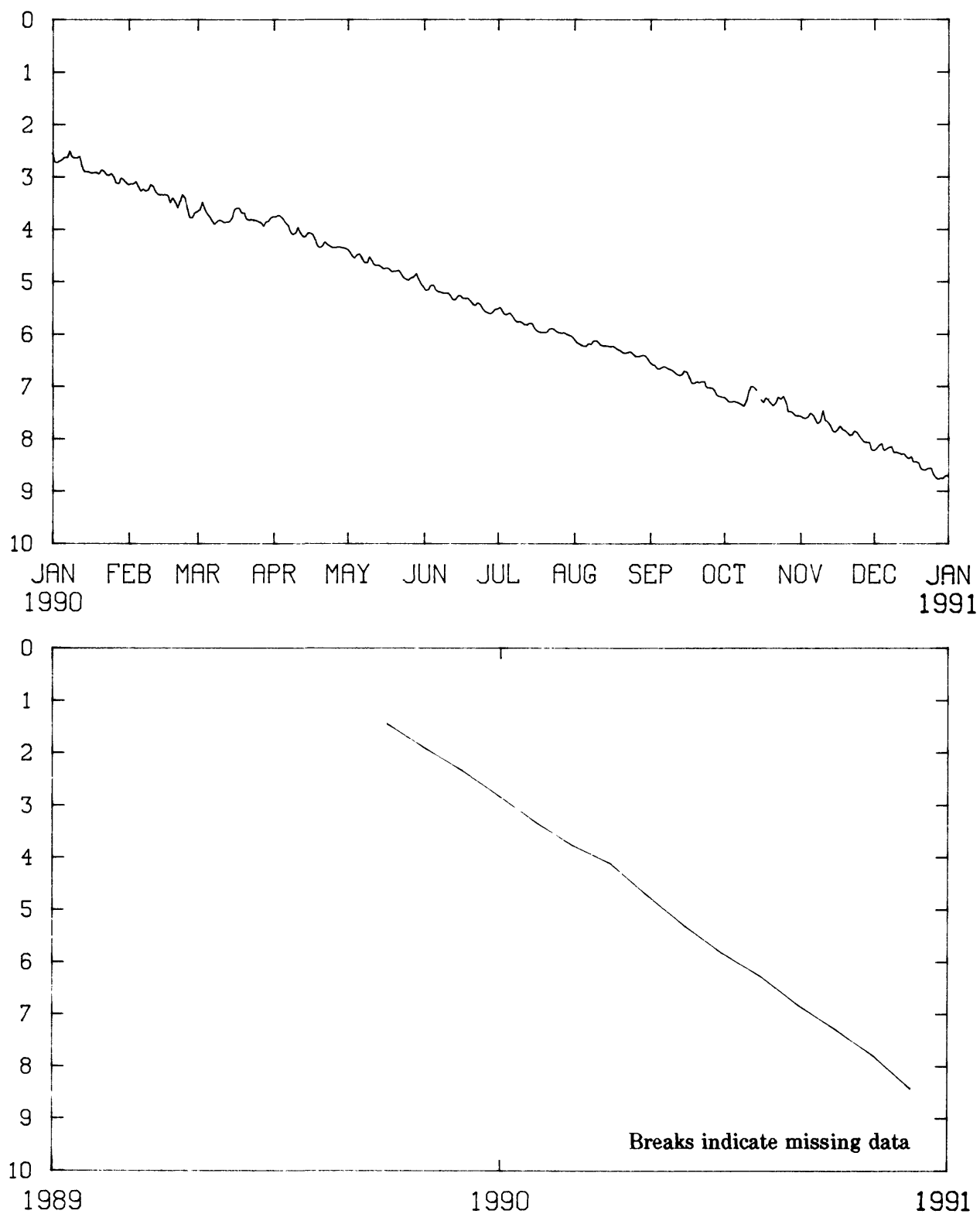


Figure 48.--Water levels in observation well BRK-431.

Table 30.--Characteristics and daily mean water level for well CHN-14

CHARLESTON COUNTY

324729079472001. Local number, CHN-14.

LOCATION.--Lat 32°47'29'', long 79°47'20'', Hydrologic Unit 03050202, Charleston, S C, 100 ft west of Concord St. and 50 ft south of Charlotte St.

OWNER: City of Charleston, SC.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled production well, diameter 6 in., cased to 1887 ft, total depth 2007, cased to 1887 ft, open hole from 1887 to 2007 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 7.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Geophysical logs available in District files. Well logged to 1866 ft, Jan. 1990.

PERIOD OF RECORDS.--April 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.29 ft below land-surface datum, Apr. 3, 1990; lowest 14.24 ft below land-surface datum, Aug. 5, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	6.25	9.24	11.07	14.03	---	11.35	9.84	10.57
2	---	---	---	---	6.26	9.48	11.04	14.03	---	11.45	9.81	10.45
3	---	---	---	5.29	6.39	9.61	11.03	14.06	---	11.51	9.84	10.31
4	---	---	---	5.33	6.53	9.70	11.20	14.18	---	11.52	9.86	10.61
5	---	---	---	5.52	6.64	9.56	11.39	14.24	---	11.57	9.78	10.53
6	---	---	---	5.70	6.71	9.34	11.45	14.22	---	11.51	9.93	10.25
7	---	---	---	5.85	6.79	9.24	11.46	14.12	---	11.66	9.92	10.20
8	---	---	---	5.89	7.05	9.20	11.56	14.09	---	11.76	9.89	10.18
9	---	---	---	6.00	7.11	9.19	11.73	14.05	---	11.77	9.58	10.37
10	---	---	---	6.08	7.10	9.33	11.91	14.01	---	11.47	9.95	10.40
11	---	---	---	6.17	7.43	9.29	12.04	13.96	---	11.55	10.11	10.22
12	---	---	---	6.23	7.48	9.35	12.17	13.81	---	11.42	10.09	10.08
13	---	---	---	6.29	7.49	9.65	12.90	13.67	---	11.51	9.97	10.12
14	---	---	---	6.08	7.63	9.78	13.42	13.60	---	11.61	9.97	10.11
15	---	---	---	6.08	7.63	9.48	13.49	13.51	---	---	9.95	10.07
16	---	---	---	6.14	7.66	9.08	13.57	13.23	---	10.85	9.85	10.32
17	---	---	---	6.19	7.82	9.04	13.59	12.81	---	10.74	9.85	10.31
18	---	---	---	6.17	7.98	9.17	13.56	12.54	---	10.69	9.78	10.27
19	---	---	---	5.93	8.07	9.32	13.36	12.33	---	10.67	9.92	10.48
20	---	---	---	5.95	8.08	9.50	13.26	---	---	10.59	10.06	10.33
21	---	---	---	5.72	8.21	9.72	13.29	---	---	10.57	10.06	10.36
22	---	---	---	5.51	8.23	10.00	13.24	---	---	10.56	10.09	10.28
23	---	---	---	5.43	8.12	10.18	13.07	---	---	10.52	10.22	10.22
24	---	---	---	5.64	8.28	10.26	13.01	---	---	10.34	10.42	10.44
25	---	---	---	5.81	8.51	10.39	12.96	---	---	10.25	10.63	10.42
26	---	---	---	5.93	8.62	10.45	12.97	---	---	10.13	10.79	10.43
27	---	---	---	5.99	8.71	10.56	13.02	---	---	9.97	10.81	10.28
28	---	---	---	5.99	8.65	10.74	13.16	---	11.24	9.92	10.75	10.25
29	---	---	---	6.10	8.82	10.91	13.34	---	11.19	9.93	10.79	10.10
30	---	---	---	6.22	9.08	11.05	13.60	---	11.24	9.94	10.68	9.96
31	---	---	---	---	9.13	---	13.87	---	---	9.90	---	9.99
MEAN	---	---	---	---	7.69	9.73	12.60	---	---	---	10.11	10.29
MAX	---	---	---	---	9.13	11.05	13.87	---	---	---	10.81	10.61
MIN	---	---	---	---	6.25	9.04	11.03	---	---	---	9.58	9.96

WATER LEVEL, IN FEET BELOW LAND SURFACE

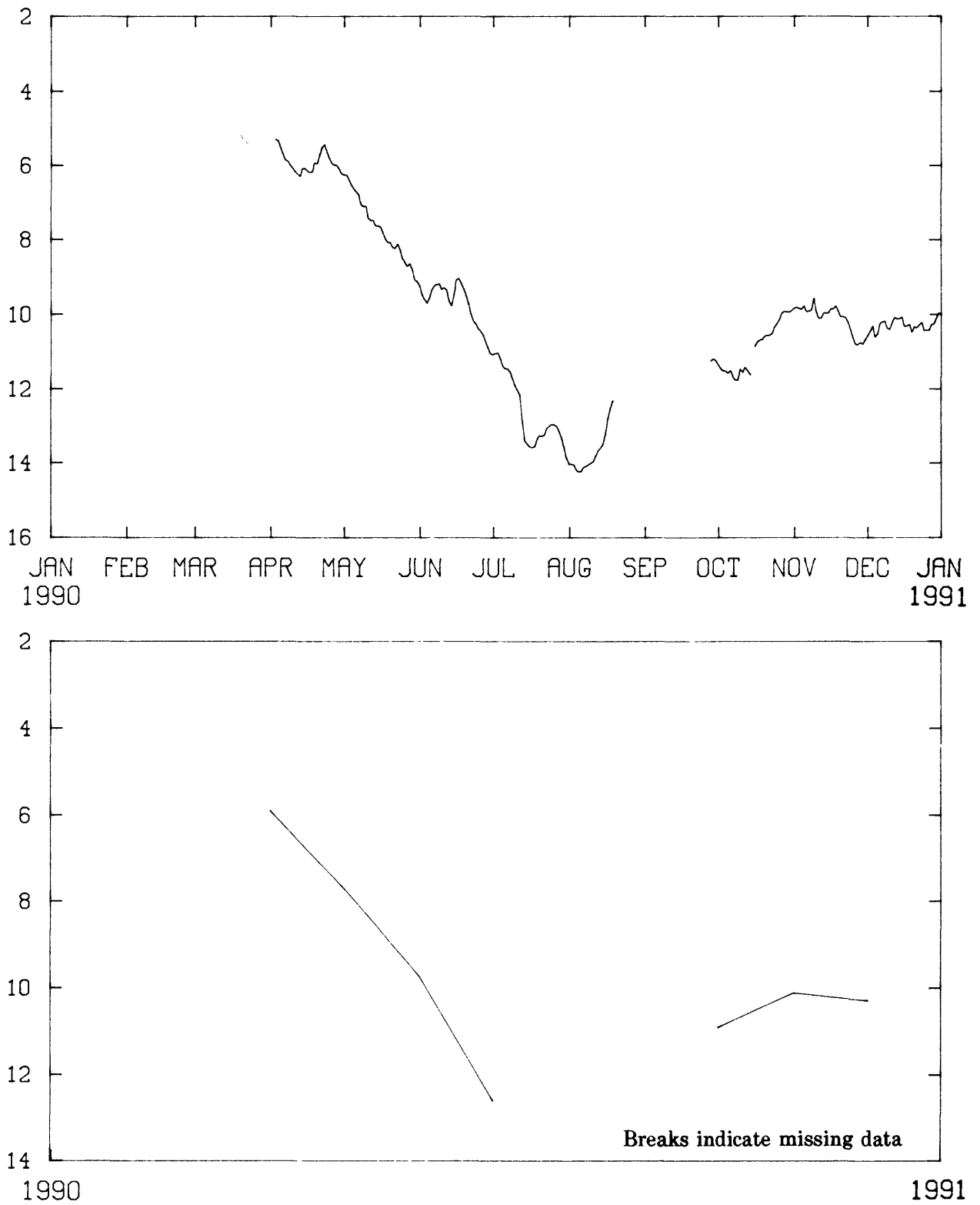


Figure 49.--Water levels in observation well CHN-14.

Table 31.--Characteristics and daily mean water level for well CHN-44

CHARLESTON COUNTY

324741080041400. Local number, CHN-44.

LOCATION.--Lat 32°47'41'', long 80°04'14'', Hydrologic Unit 03050202, USDA Experimental Station, 300 ft northeast of U.S. Highway 17 at elevated water tank.

Owner: U.S. Department of Agriculture.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 434 ft. Open hole. Casing interval unknown.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 9.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft above land-surface datum.

REMARKS.--Pump test data on file in District office. Electric and caliper logged Nov. 27, 1979, depth 428 ft.

PERIOD OF RECORD.--October 1980 to April 1981, February 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 13.54 ft below land-surface datum, Mar. 18, 1983; lowest, 26.65 ft below land-surface datum, Sept. 24, 25, 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.23	23.85	23.55	23.20	23.30	23.99	25.14	26.04	26.37	26.56	26.15	25.67
2	24.33	23.80	23.46	23.16	23.34	24.03	25.17	26.06	26.38	26.57	26.12	25.63
3	24.28	23.79	23.38	23.14	23.42	24.02	25.26	26.07	26.39	26.60	26.09	25.53
4	24.22	23.70	23.47	23.17	23.43	23.99	25.34	26.10	26.43	26.56	26.04	25.49
5	24.19	23.78	23.52	23.21	23.39	24.00	25.38	26.13	26.41	26.57	25.95	25.59
6	24.12	23.78	23.53	23.23	23.42	24.05	25.41	26.14	26.38	26.56	25.96	25.53
7	24.00	23.70	23.59	23.28	23.48	24.11	25.48	26.09	26.36	26.59	25.99	25.47
8	23.88	23.72	23.57	23.35	23.55	24.18	25.56	26.09	26.38	26.60	26.00	25.43
9	23.97	23.66	23.54	23.37	23.52	24.22	25.62	26.07	26.41	26.58	25.89	25.52
10	23.98	23.54	23.55	23.30	23.40	24.24	25.67	26.08	26.43	26.38	25.70	25.51
11	23.94	23.55	23.55	23.24	23.52	24.29	25.74	26.10	26.47	26.23	25.89	25.52
12	23.93	23.62	23.56	23.34	23.55	24.33	25.81	26.15	26.49	26.15	25.87	25.50
13	24.09	23.67	23.55	23.38	23.50	24.37	25.82	26.16	26.49	26.18	25.87	25.50
14	24.12	23.67	23.52	23.29	23.54	24.37	25.79	26.17	26.47	26.24	25.91	25.54
15	24.11	23.64	23.50	23.21	23.57	24.35	25.84	26.20	26.43	26.31	25.90	25.50
16	24.14	23.61	23.49	23.22	23.57	24.35	25.94	26.19	26.44	26.37	25.83	25.48
17	24.13	23.64	23.45	23.24	23.57	24.41	25.97	26.15	26.53	26.36	25.75	25.46
18	24.08	23.66	23.53	23.35	23.65	24.44	25.98	26.16	26.58	26.28	25.74	25.36
19	24.09	23.55	23.53	23.38	23.68	24.45	25.97	26.16	26.55	26.33	25.74	25.38
20	24.03	23.60	23.52	23.39	23.66	24.54	25.90	26.19	26.53	26.35	25.75	25.37
21	23.97	23.60	23.56	23.33	23.67	24.64	25.84	26.21	26.54	26.33	25.76	25.35
22	23.99	23.48	23.55	23.27	23.67	24.70	25.81	26.19	26.53	26.27	25.71	25.34
23	23.97	23.40	23.52	23.26	23.70	24.73	25.79	26.16	26.56	26.20	25.65	25.30
24	23.91	23.49	23.49	23.29	23.71	24.77	25.80	26.16	26.65	26.21	25.67	25.33
25	23.83	23.62	23.47	23.31	23.74	24.86	25.81	26.23	26.65	26.15	25.70	25.40
26	23.93	23.68	23.45	23.29	23.74	24.91	25.82	26.28	26.62	26.23	25.73	25.41
27	23.99	23.63	23.43	23.28	23.72	24.95	25.81	26.28	26.64	26.26	25.72	25.38
28	23.93	23.57	23.41	23.25	23.71	25.02	25.83	26.26	26.65	26.21	25.66	25.36
29	23.79	---	23.34	23.24	23.70	25.09	25.86	26.26	26.61	26.21	25.65	25.35
30	23.83	---	23.34	23.26	23.82	25.13	25.91	26.28	26.57	26.20	25.73	25.30
31	23.85	---	23.23	---	23.92	---	25.97	26.33	---	26.17	---	25.29
MEAN	24.03	23.64	23.49	23.27	23.59	24.45	25.71	26.17	26.50	26.35	25.84	25.44
MAX	24.33	23.85	23.59	23.39	23.92	25.13	25.98	26.33	26.65	26.60	26.15	25.67
MIN	23.79	23.40	23.23	23.14	23.30	23.99	25.14	26.04	26.36	26.15	25.65	25.29
CAL YR 1990	MEAN 24.88	HIGH 23.14 LOW 26.65										

WATER LEVEL, IN FEET BELOW LAND SURFACE

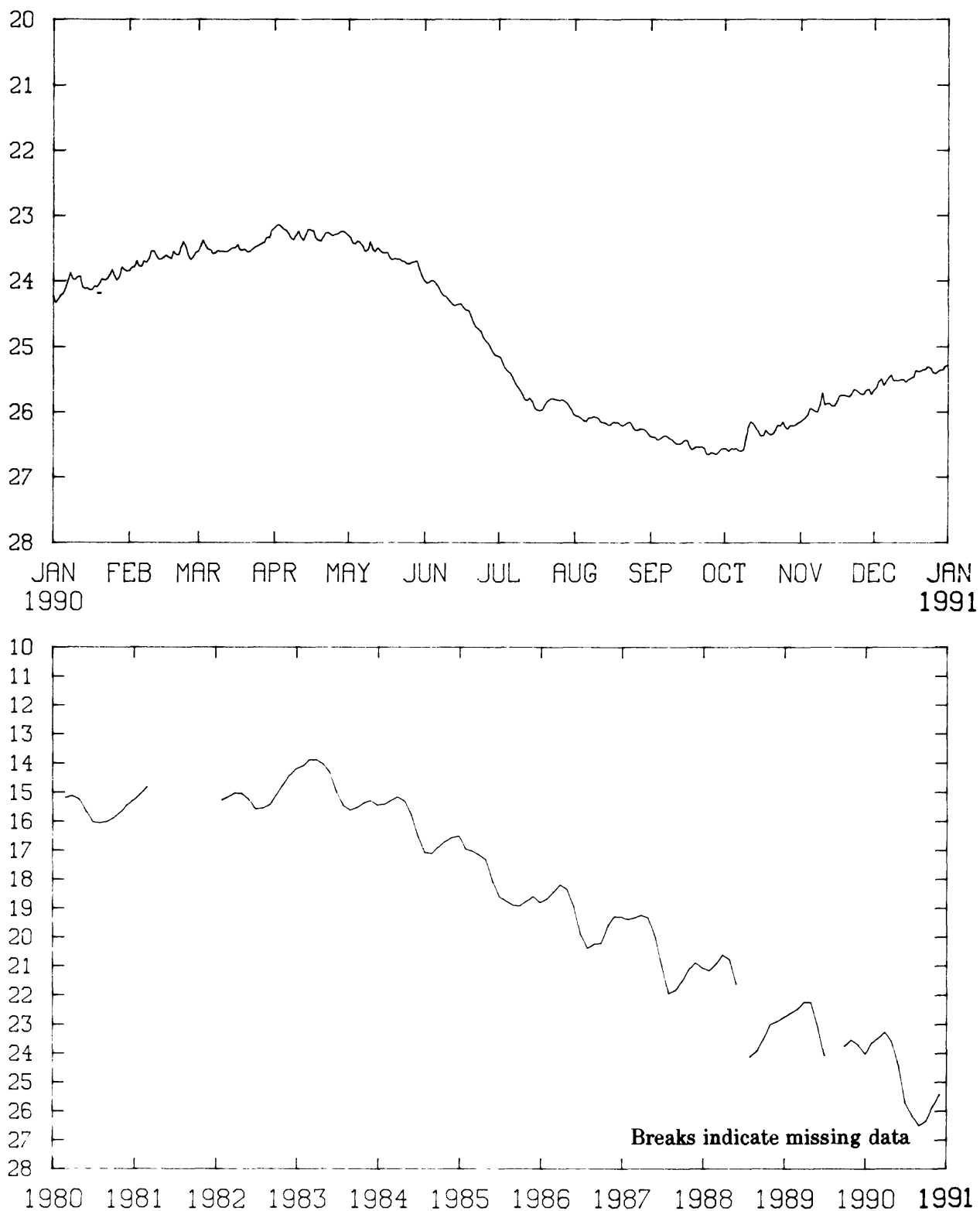


Figure 50.--Water levels in observation well CHN-44.

Table 32.--Characteristics and daily mean water level for well CHN-64

CHARLESTON COUNTY

324708079555500. Local number, CHN-64.

LOCATION.--Lat 32°47'08'', long 79°55'55'', Hydrologic Unit 03050202, at 14 George St., Charleston, SC.

Owner: City of Charleston.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled production well, depth reported approximately 2000 ft. Casing and screened intervals unknown.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 14.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Obstruction at 1070 ft. Geophysical logs, depth 1070 ft., available in District files.

PERIOD OF RECORD.--March 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 6.58 ft below land-surface datum, Mar. 29, 1990; lowest, 16.36 ft below land-surface datum, Aug. 11, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	6.71	7.32	---	13.78	15.90	14.30	14.67	14.32	14.73
2	---	---	---	6.65	7.36	---	13.80	16.01	14.21	14.76	14.26	14.62
3	---	---	---	6.68	7.48	---	13.86	16.09	14.17	14.84	14.22	14.47
4	---	---	---	6.77	7.56	---	13.98	16.15	14.18	14.83	14.17	14.63
5	---	---	---	6.89	7.56	---	14.09	16.19	14.11	14.88	14.07	14.71
6	---	---	---	7.00	7.62	---	14.16	16.20	14.05	14.86	14.15	14.55
7	---	---	---	7.12	7.68	---	14.23	---	14.05	14.95	14.18	14.45
8	---	---	---	7.19	---	---	14.34	16.35	14.08	15.01	14.20	14.41
9	---	---	---	7.24	---	---	14.46	16.35	14.04	15.00	13.98	14.56
10	---	---	---	7.23	---	---	14.59	16.34	14.04	14.78	14.07	14.56
11	---	---	---	7.25	---	---	14.73	16.36	14.05	14.76	14.40	14.52
12	---	---	---	7.40	---	---	14.87	16.34	14.02	14.70	14.39	14.46
13	---	---	---	7.45	---	12.33	14.91	16.29	14.00	14.79	14.36	14.50
14	---	---	---	7.28	---	12.40	14.90	16.27	13.95	14.93	14.38	14.57
15	---	---	---	7.18	---	12.30	15.02	16.24	13.92	---	14.36	14.53
16	---	---	---	7.21	---	12.17	15.17	16.09	13.95	15.19	14.27	14.65
17	---	---	---	7.27	---	12.20	15.24	15.85	14.07	15.14	14.22	14.64
18	---	---	---	7.36	---	12.28	15.26	15.67	14.15	15.03	14.22	14.53
19	---	---	---	7.28	---	12.37	15.21	15.53	14.14	15.08	14.26	14.68
20	---	---	---	7.28	---	12.47	15.17	15.46	14.17	15.06	14.35	14.63
21	---	---	---	7.13	---	12.57	15.18	15.36	14.21	15.00	14.37	14.58
22	---	---	---	6.97	---	12.75	15.20	15.13	14.23	14.95	14.35	14.50
23	---	---	---	6.89	---	12.89	15.13	14.93	14.31	14.89	14.37	14.42
24	---	---	---	6.99	---	13.01	15.10	14.86	14.46	14.81	14.55	14.56
25	---	---	---	7.09	---	13.15	15.08	14.85	14.52	14.66	14.72	14.63
26	---	---	---	7.14	---	13.22	15.06	14.81	14.55	14.69	14.85	14.63
27	---	---	6.63	7.17	---	13.31	15.04	14.74	14.65	14.60	14.89	14.52
28	---	---	6.63	7.16	---	13.47	15.11	14.65	14.64	14.47	14.82	14.46
29	---	---	6.58	7.21	---	13.62	15.24	14.56	14.59	14.45	14.82	14.38
30	---	---	6.72	7.27	---	13.74	15.44	14.48	14.60	14.43	14.85	14.26
31	---	---	6.71	---	---	---	15.67	14.38	---	14.37	---	14.28
MEAN	---	---	---	7.12	---	---	14.81	---	14.21	---	14.38	14.54
MAX	---	---	---	7.45	---	---	15.67	---	14.65	---	14.89	14.73
MIN	---	---	---	6.65	---	---	13.78	---	13.92	---	13.98	14.26

WATER LEVEL, IN FEET BELOW LAND SURFACE

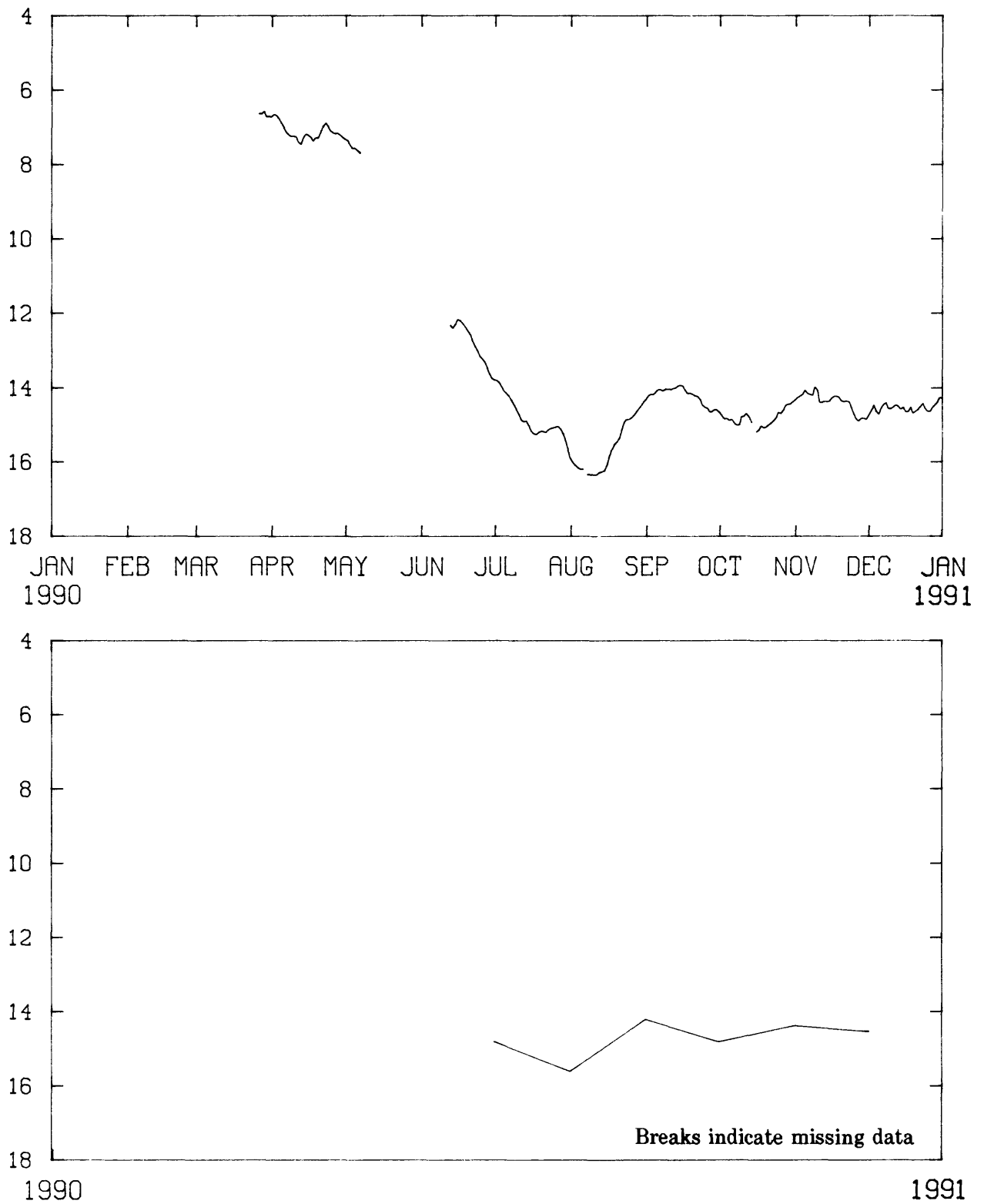


Figure 51.--Water levels in observation well CHN-64.

Table 33.--Characteristics and daily mean water level for well CHN-101

CHARLESTON COUNTY

330247079340300. Local number, CHN-101.

LOCATION.--Lat 33°02'47'', long 79°34'03'', Hydrologic Unit 03050202, Buckhall Campground, 300 ft southeast of State Highway 913 and U.S. Highway 17 junction, 200 ft south of U.S. 17, near McClellanville.

Owner: U.S. Forest Service.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in., depth 91 ft, cased to 82 ft. Open hole from 82 to 91 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land-surface datum.

REMARKS.--Water-quality data available in District files. Gamma logged Feb. 15, 1980 to 91 ft. Gamma logged Dec. 18, 1979 to 90 ft.

PERIOD OF RECORD.--February 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 12.34 ft below land-surface datum, Mar. 18, 1983; lowest, 18.97 ft below land-surface datum, June 13, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.39	13.21	13.11	12.98	13.23	13.56	14.01	13.70	13.03	13.45	12.88	13.20
2	13.50	13.17	13.00	12.92	13.24	13.59	13.96	13.72	13.01	13.49	12.86	13.15
3	13.44	13.18	12.94	12.92	13.29	13.59	13.95	13.67	13.02	13.56	12.87	13.04
4	13.33	13.12	13.07	12.98	13.26	13.57	13.98	13.72	13.05	13.51	12.86	13.08
5	13.28	13.25	13.10	13.04	13.19	13.57	14.00	13.72	13.01	13.57	12.78	13.22
6	13.21	13.20	13.11	13.06	13.22	13.58	14.01	13.73	12.98	13.58	12.85	13.13
7	13.08	13.13	13.16	13.12	13.26	13.64	14.05	13.72	13.01	13.61	12.89	13.07
8	12.94	13.17	13.12	13.16	13.32	13.70	14.08	13.65	13.08	13.64	12.93	13.02
9	13.06	13.12	13.09	13.16	13.28	13.70	14.11	13.57	13.09	13.61	12.78	13.12
10	13.06	13.04	13.14	13.09	13.17	13.72	14.14	13.53	13.09	13.36	12.75	13.08
11	13.02	13.09	13.16	13.06	13.34	13.72	14.18	13.53	13.11	13.11	13.06	13.09
12	13.04	13.19	13.17	13.18	13.36	13.73	14.22	13.54	13.10	12.96	13.06	13.07
13	13.21	13.27	13.18	13.21	13.28	13.71	14.22	13.53	13.09	12.94	13.07	13.10
14	13.18	13.26	13.17	13.10	13.34	13.66	14.18	13.50	13.07	12.99	13.11	13.17
15	13.14	13.24	13.16	13.04	13.35	13.63	14.22	13.50	13.05	13.02	13.11	13.10
16	13.16	13.23	13.15	13.07	13.30	13.62	14.22	13.45	13.10	13.06	13.05	13.11
17	13.13	13.31	13.12	13.09	13.28	13.62	14.19	13.30	13.17	13.00	13.02	13.12
18	13.10	13.28	13.24	13.19	13.37	13.62	14.14	13.28	13.20	12.91	13.04	13.03
19	13.12	13.14	13.23	13.17	13.39	13.64	14.07	13.24	13.18	13.02	13.04	13.11
20	13.06	13.23	13.22	13.15	13.35	13.72	13.99	13.22	13.19	13.02	13.07	13.13
21	13.04	13.20	13.27	13.12	13.36	13.77	13.93	13.20	13.22	12.99	13.08	13.13
22	13.13	13.08	13.25	13.09	13.36	13.82	13.87	13.11	13.24	12.94	13.05	13.14
23	13.13	13.04	13.23	13.09	13.36	13.83	13.81	13.03	13.29	12.87	13.02	13.10
24	13.08	13.21	13.24	13.13	13.36	13.88	13.77	13.03	13.38	12.90	13.11	13.14
25	13.02	13.37	13.21	13.17	13.42	13.91	13.73	13.08	13.38	12.81	13.18	13.24
26	13.19	13.35	13.19	13.18	13.41	13.92	13.68	13.11	13.36	12.96	13.24	13.21
27	13.28	13.22	13.17	13.20	13.40	13.91	13.59	13.07	13.43	12.96	13.26	13.16
28	13.20	13.14	13.14	13.18	13.34	13.97	13.57	13.04	13.46	12.86	13.19	13.14
29	13.09	---	13.03	13.20	13.32	13.99	13.57	13.02	13.44	12.88	13.18	13.16
30	13.18	---	13.05	13.21	13.51	14.01	13.60	13.00	13.43	12.88	13.27	13.13
31	13.22	---	12.99	---	13.54	---	13.63	13.01	---	12.86	---	13.16
MEAN	13.16	13.19	13.14	13.11	13.33	13.73	13.96	13.37	13.18	13.14	13.02	13.12
MAX	13.50	13.37	13.27	13.21	13.54	14.01	14.22	13.73	13.46	13.64	13.27	13.24
MIN	12.94	13.04	12.94	12.92	13.17	13.56	13.57	13.00	12.98	12.81	12.75	13.02

CAL YR 1990 MEAN 13.29 HIGH 12.75 LOW 14.22

WATER LEVEL, IN FEET BELOW LAND SURFACE

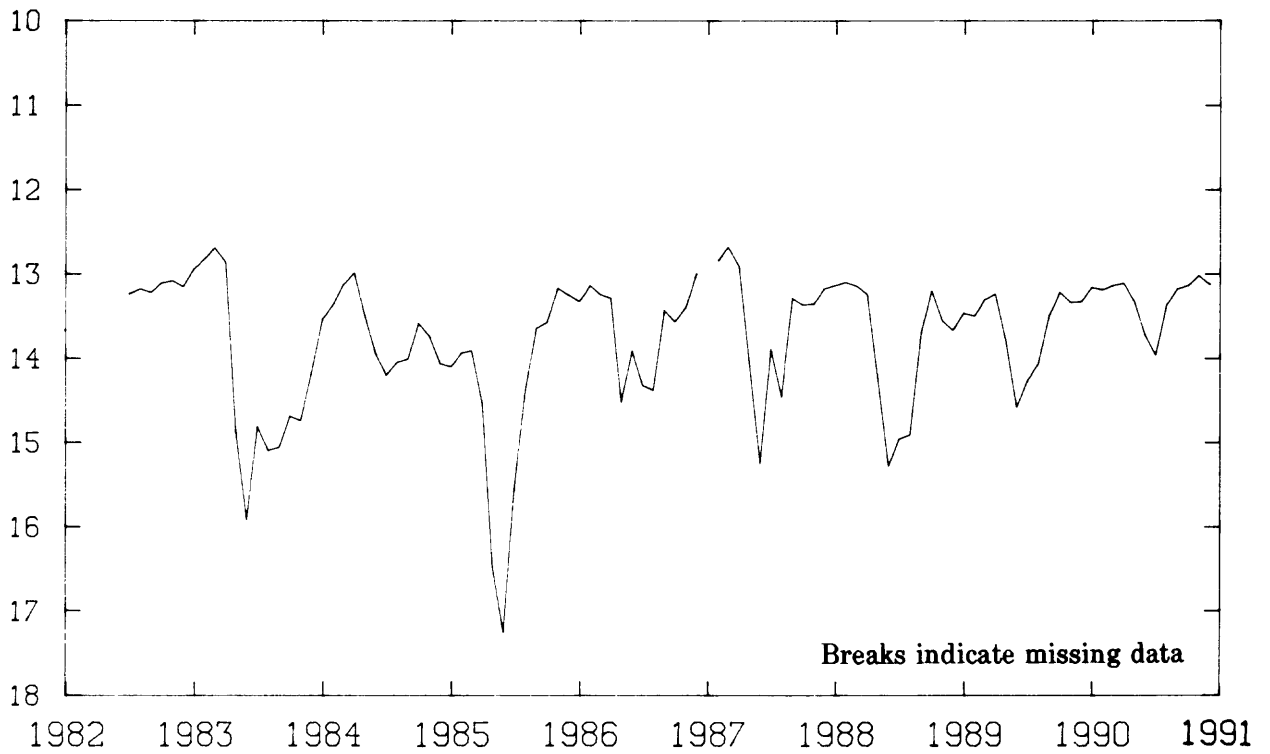
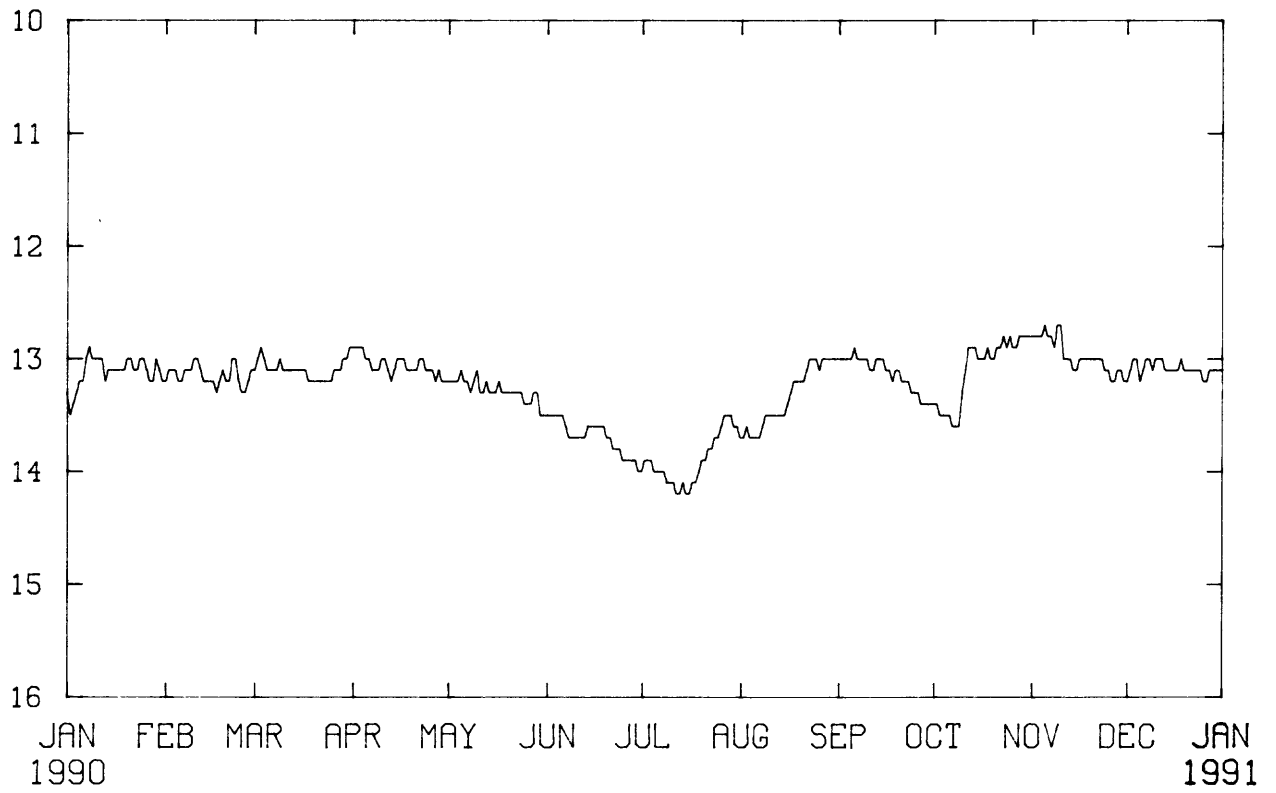


Figure 52.--Water levels in observation well CHN-101.

Table 34.--Characteristics and daily mean water level for well COL-97

COLLETON COUNTY

330256080354500. Local number, COL-97.

LOCATION.--Lat 33°02'56'', long 80°35'45'', Hydrologic Unit 03050205, 1.6 mi southeast of Canadys, at intersection of State Highway 61 and State Road 45.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 500 ft, cased to 134.4 ft, open hole from 134.4 to 500 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

DATUM.--Land-surface datum is 84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 2.10 ft above land-surface datum.

REMARKS.--Depth, measured Jan. 17, 1979, 356 ft. Caliper, electric, and gamma logs available in District files.

PERIOD OF RECORD.--August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.79 below land-surface datum, May 14, 1978; lowest 44.98 ft below land-surface datum, Dec. 27, 28, 29, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	43.68	43.70	43.64	43.48	43.65	43.89	44.17	44.62	44.72	44.84	44.50	44.97
2	43.80	43.73	43.59	43.44	43.66	43.91	44.17	44.65	44.75	44.84	44.52	44.97
3	43.83	43.72	43.46	43.37	43.66	43.90	44.22	44.69	44.75	44.84	44.54	44.89
4	43.84	43.65	43.52	43.36	43.68	43.85	44.31	44.71	44.75	44.84	44.55	44.83
5	43.81	43.66	43.60	43.37	43.66	43.82	44.33	44.71	44.76	44.83	44.52	44.89
6	43.73	43.72	43.63	43.42	43.59	43.89	44.33	44.72	44.75	44.83	44.49	44.89
7	43.68	43.71	43.68	43.49	43.64	43.91	44.38	44.69	44.74	44.84	44.57	44.87
8	43.60	43.70	43.73	43.59	43.68	43.92	44.45	44.68	44.74	44.83	44.62	44.84
9	43.64	43.70	43.70	43.62	43.68	43.92	44.48	44.67	44.76	44.83	44.62	44.86
10	43.63	43.63	43.69	43.60	43.61	43.92	44.47	44.66	44.78	44.83	44.45	44.89
11	43.62	43.60	43.68	43.45	43.61	43.86	44.48	44.66	44.81	44.76	44.58	44.89
12	43.60	43.64	43.69	43.48	43.65	43.86	44.54	44.66	44.83	44.60	44.62	44.90
13	43.66	43.69	43.69	43.57	43.66	43.87	44.55	44.66	44.84	44.55	44.61	44.89
14	43.70	43.71	43.68	43.59	43.66	43.88	44.54	44.65	44.82	44.55	44.66	44.92
15	43.72	43.71	43.69	43.50	43.66	43.88	44.56	44.65	44.83	44.54	44.71	44.96
16	43.72	43.72	43.70	43.50	43.67	43.88	44.63	44.65	44.82	44.57	44.70	44.95
17	43.70	43.70	43.65	43.50	43.67	43.90	44.65	44.65	44.82	44.59	44.61	44.94
18	43.72	43.70	43.62	43.57	43.67	43.90	44.65	44.65	44.82	44.55	44.60	44.84
19	43.73	43.66	43.62	43.64	43.70	43.88	44.66	44.65	44.83	44.49	44.60	44.82
20	43.75	43.67	43.61	43.67	43.72	43.88	44.65	44.65	44.84	44.54	44.64	44.91
21	43.70	43.70	43.62	43.65	43.72	43.94	44.65	44.67	44.84	44.58	44.68	44.92
22	43.67	43.65	43.64	43.62	43.71	43.96	44.56	44.66	44.84	44.55	44.70	44.93
23	43.68	43.54	43.65	43.62	43.72	43.96	44.53	44.64	44.83	44.46	44.66	44.88
24	43.69	43.51	43.66	43.63	43.75	43.96	44.52	44.61	44.82	44.45	44.62	44.81
25	43.70	43.64	43.66	43.64	43.78	43.99	44.52	44.61	44.82	44.39	44.64	44.90
26	43.66	43.71	43.65	43.65	43.79	44.04	44.52	44.62	44.83	44.40	44.68	44.94
27	43.75	43.71	43.64	43.65	43.79	44.05	44.53	44.63	44.83	44.51	44.72	44.98
28	43.77	43.66	43.64	43.64	43.78	44.07	44.53	44.62	44.84	44.51	44.75	44.98
29	43.66	---	43.64	43.64	43.74	44.11	44.54	44.63	44.83	44.48	---	44.98
30	43.63	---	43.62	43.65	43.74	44.17	44.56	44.62	44.84	44.48	44.96	44.93
31	43.67	---	43.51	---	43.80	---	44.57	44.64	---	44.48	---	44.91
MEAN	43.70	43.67	43.64	43.55	43.69	43.93	44.49	44.65	44.80	44.63	---	44.91
MAX	43.84	43.73	43.73	43.67	43.80	44.17	44.66	44.72	44.84	44.84	---	44.98
MIN	43.60	43.51	43.46	43.36	43.59	43.82	44.17	44.61	44.72	44.39	---	44.81

WATER LEVEL, IN FEET BELOW LAND SURFACE

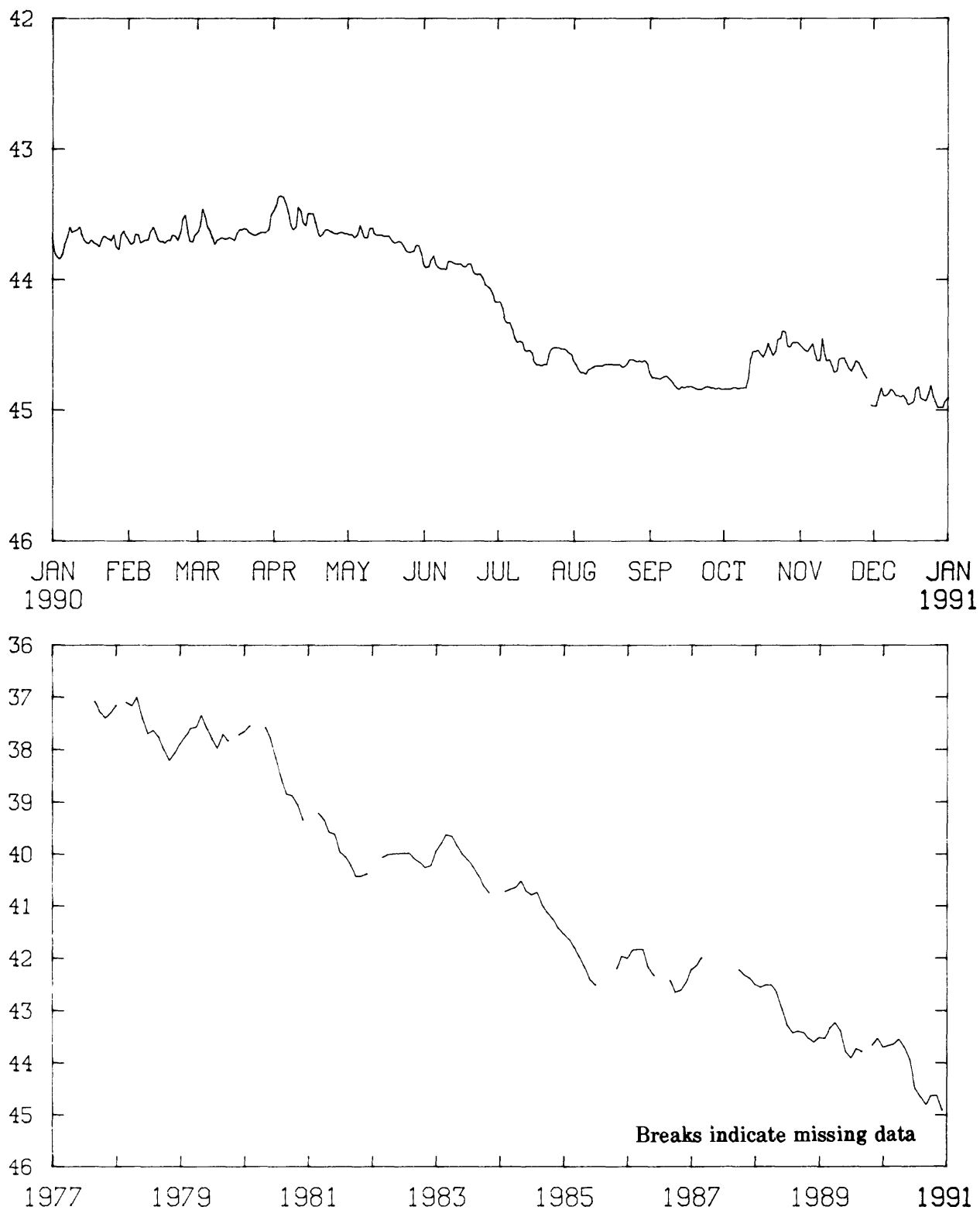


Figure 53.--Water levels in observation well COL-97.

Table 35.--Characteristics and daily mean water level for well COL-305

COLLETON COUNTY

323048080181401.Local number, COL-305.

LOCATION.--Lat 32°30'48'', long 80°18'14'', Hydrologic Unit 03050205, at Edisto Beach State Park, 40 ft west of nature trail, 60 ft off shell road, 0.2 mi west of SC Highway 174, approximately 0.6 mi northwest of County Road S-15-683.

Owner: Town of Edisto Beach.

AQUIFER.--Surficial Aquifer System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 48 ft, casing and screened intervals unknown.

INSTRUMENTATION.--Digital recorder-60 minute punch.

DATUM.--Land-surface datum is 8.0 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--July 1987 to current year. Prior to 1989 Water Year, published as CHN-549.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 2.75 ft below land-surface datum, Jan. 9, 1990; lowest, 7.90 ft below land-surface datum, Oct. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.31	3.40	3.32	3.06	3.80	---	6.30	7.08	6.94	7.80	6.65	7.01
2	3.36	3.41	3.34	3.01	3.89	---	6.33	7.09	6.98	7.81	6.68	7.01
3	3.39	3.41	3.34	3.00	4.01	---	6.36	7.10	7.00	7.82	6.69	7.00
4	3.39	3.40	3.35	3.05	4.07	---	6.40	7.12	7.02	7.82	6.69	6.99
5	3.40	3.29	3.39	3.12	4.11	---	6.44	7.13	7.03	7.85	6.69	7.00
6	3.41	3.29	3.42	3.18	4.15	---	6.50	7.14	7.04	7.86	6.71	7.01
7	3.25	3.31	3.46	3.22	4.21	---	6.59	7.13	7.05	7.88	6.72	7.01
8	2.80	3.33	3.51	3.30	4.27	5.39	6.63	7.11	7.09	7.89	6.74	7.00
9	2.75	3.36	3.52	3.34	4.31	5.44	6.69	7.09	7.18	7.90	6.76	7.01
10	2.77	3.37	3.52	3.37	4.32	5.51	6.73	6.99	7.21	7.86	6.75	7.01
11	2.82	3.27	3.52	3.38	4.36	5.54	6.78	6.80	7.23	7.67	6.78	7.01
12	2.87	3.26	3.53	3.46	4.42	5.59	6.82	6.68	7.28	7.13	6.80	7.02
13	2.97	3.31	3.58	3.55	4.44	5.62	6.85	6.59	7.31	6.82	6.81	7.02
14	3.03	3.34	3.59	3.58	4.45	5.67	6.87	6.57	7.33	6.67	6.82	7.02
15	3.07	3.37	3.60	3.49	4.49	5.71	6.87	6.56	7.35	6.57	6.83	7.03
16	3.10	3.39	3.61	3.48	4.53	5.68	6.90	6.57	7.39	6.51	6.83	7.02
17	3.12	3.38	3.61	3.53	4.60	5.64	6.92	6.58	7.42	6.48	6.84	7.02
18	3.12	3.36	3.57	3.62	4.63	5.64	6.90	6.57	7.44	6.44	6.88	7.02
19	3.13	3.19	3.57	3.70	4.68	5.69	6.83	6.58	7.47	6.43	6.90	7.01
20	3.15	3.13	3.58	3.72	4.72	5.75	6.79	6.61	7.50	6.43	6.92	7.00
21	3.19	3.14	3.64	3.75	4.74	5.80	6.77	6.63	7.53	6.44	6.93	7.00
22	3.19	3.16	3.69	3.80	---	5.85	6.78	6.67	7.56	6.44	6.94	6.97
23	3.20	3.12	3.72	3.84	---	5.88	6.78	6.67	7.59	6.44	6.94	6.95
24	3.24	3.10	3.73	3.88	---	5.91	6.80	6.71	7.62	6.44	6.94	6.94
25	3.26	3.17	3.76	3.91	---	5.96	6.84	6.75	7.63	6.44	6.96	6.94
26	3.27	3.27	3.79	3.96	---	6.03	6.86	6.78	7.68	6.45	6.98	6.94
27	3.31	3.31	3.81	4.01	---	6.07	6.89	6.79	7.72	6.51	6.99	6.94
28	3.32	3.31	3.84	4.03	---	6.10	6.92	6.84	7.76	6.54	7.00	6.93
29	3.33	---	3.84	3.87	---	6.12	6.97	6.89	7.78	6.57	6.99	6.92
30	3.35	---	3.79	3.79	---	6.18	7.00	6.89	7.78	6.61	7.00	6.89
31	3.38	---	3.42	---	---	---	7.04	6.90	---	6.63	---	6.88
MEAN	3.17	3.29	3.58	3.53	---	---	6.75	6.83	7.36	7.00	6.84	6.98
MAX	3.41	3.41	3.84	4.03	---	---	7.04	7.14	7.78	7.90	7.00	7.03
MIN	2.75	3.10	3.32	3.00	---	---	6.30	6.56	6.94	6.43	6.65	6.88

WATER LEVEL, IN FEET BELOW LAND SURFACE

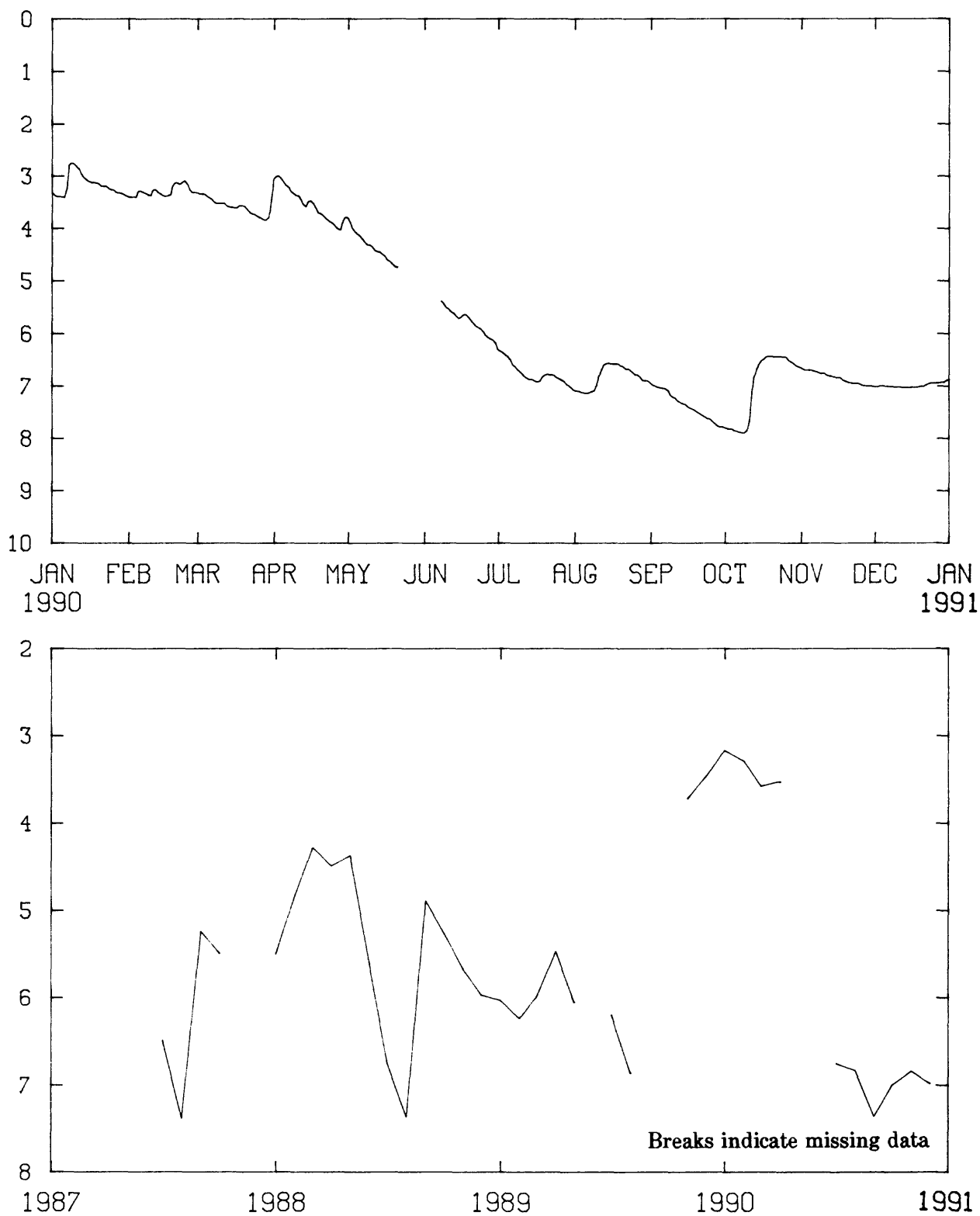


Figure 54.--Water levels in observation well COL-305.

Table 36.--Characteristics and daily mean water level for well FLO-85

FLORENCE COUNTY

340806079563100. Local number, FLO-85.

LOCATION.--Lat 34°08'06'', long 79°56'31'', Hydrologic Unit 03040202, 136 ft off East Main Street, behind the town hall in Timmons ville.

Owner: Town of Timmons ville.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 535 ft, screened intervals 235-240, 260-270, 410-415, 480-485, 505-515 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 145 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.71 ft above land-surface datum.

REMARKS.--Geophysical logs available in District files. Water-quality data on file in District office.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 13.14 ft below land-surface datum, Apr. 10, 1983; lowest, 22.87 ft below land-surface datum, Oct. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	20.08	20.55	20.94	21.20	21.47	21.39	21.55	21.79	22.07	22.70	20.34	21.36
2	20.09	20.56	20.95	21.20	21.48	21.40	21.57	21.82	22.08	22.71	20.38	21.39
3	20.11	20.58	20.97	21.21	21.49	21.41	21.59	21.84	22.11	22.74	20.41	21.42
4	20.14	20.60	20.98	21.22	21.50	21.43	21.61	21.86	22.13	22.76	20.46	21.44
5	20.16	20.62	20.99	21.23	21.35	21.44	21.63	21.88	22.15	22.78	20.51	21.47
6	20.19	20.64	21.01	21.24	21.30	21.45	21.65	21.91	22.17	22.80	20.54	21.50
7	20.19	20.65	21.02	21.24	21.30	21.47	21.67	21.84	22.19	22.82	20.57	21.52
8	20.06	20.67	21.04	21.25	21.31	21.48	21.69	21.85	22.21	22.84	20.60	21.55
9	20.04	20.69	21.05	21.26	21.32	21.49	21.71	21.87	22.24	22.87	20.65	21.58
10	20.06	20.70	21.07	21.27	21.33	21.51	21.73	21.89	22.27	22.24	20.62	21.61
11	20.08	20.72	21.08	21.29	21.33	21.53	21.75	21.91	22.29	20.14	20.66	21.64
12	20.10	20.74	21.09	21.29	21.34	21.54	21.77	21.93	22.32	19.96	20.69	21.67
13	20.12	20.76	21.10	21.30	21.35	21.56	21.79	21.95	22.35	20.01	20.72	21.70
14	20.15	20.77	21.12	21.32	21.35	21.57	21.77	21.97	22.36	20.04	20.76	21.72
15	20.17	20.79	21.13	21.33	21.37	21.54	21.71	22.00	22.37	20.08	20.80	21.74
16	20.20	20.81	21.15	21.34	21.38	21.31	21.72	22.02	22.38	20.13	20.84	21.76
17	20.22	20.83	21.16	21.35	21.39	21.31	21.73	22.04	22.39	20.17	20.88	21.78
18	20.24	20.84	21.14	21.36	21.40	21.33	21.75	22.06	22.41	20.21	20.91	21.80
19	20.27	20.85	21.15	21.37	21.41	21.34	21.73	22.07	22.43	20.26	20.94	21.83
20	20.29	20.84	21.15	21.38	21.42	21.35	21.56	22.10	22.45	20.32	20.97	21.85
21	20.31	20.85	21.16	21.39	21.44	21.37	21.57	22.12	22.47	20.37	21.01	21.88
22	20.33	20.86	21.17	21.40	21.45	21.39	21.59	22.14	22.49	20.40	21.05	21.90
23	20.36	20.87	21.18	21.41	21.46	21.41	21.61	22.09	22.51	19.98	21.09	21.92
24	20.38	20.88	21.19	21.42	21.47	21.42	21.63	21.96	22.53	19.98	21.12	21.94
25	20.40	20.89	21.20	21.43	21.49	21.44	21.65	21.94	22.56	20.03	21.16	21.96
26	20.43	20.90	21.21	21.44	21.50	21.46	21.67	21.96	22.59	20.07	21.19	21.98
27	20.45	20.92	21.22	21.45	21.51	21.48	21.69	21.98	22.61	20.10	21.22	22.00
28	20.47	20.93	21.23	21.47	21.49	21.49	21.71	22.00	22.63	20.15	21.25	22.02
29	20.49	---	21.23	21.47	21.36	21.51	21.73	22.02	22.66	20.19	21.28	22.05
30	20.51	---	21.19	21.47	21.36	21.53	21.75	22.03	22.68	20.23	21.31	22.06
31	20.53	---	21.19	---	21.38	---	21.77	22.05	---	20.29	---	22.08
MEAN	20.25	20.76	21.11	21.33	21.40	21.44	21.68	21.96	22.37	20.98	20.83	21.75
MAX	20.53	20.93	21.23	21.47	21.51	21.57	21.79	22.14	22.68	22.87	21.31	22.08
MIN	20.04	20.55	20.94	21.20	21.30	21.31	21.55	21.79	22.07	19.96	20.34	21.36

CAL YR 1990 MEAN 21.33 HIGH 19.96 LOW 22.87

WATER LEVEL, IN FEET BELOW LAND SURFACE

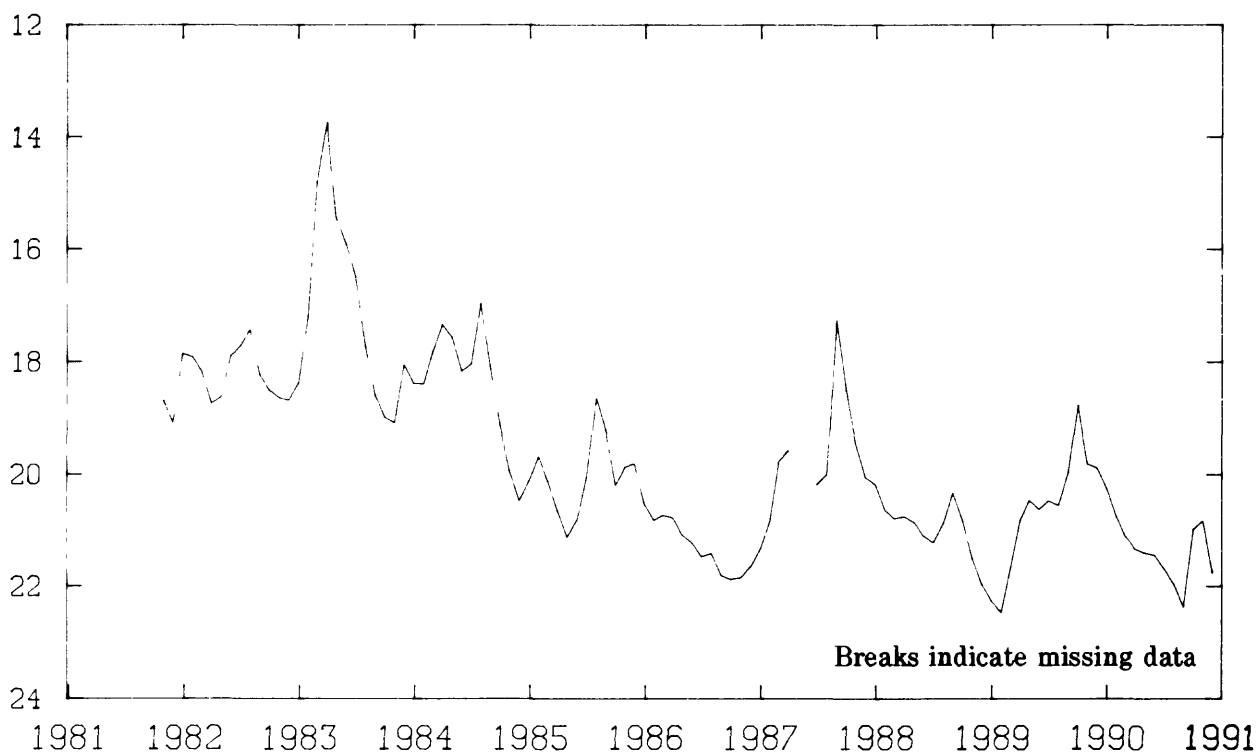
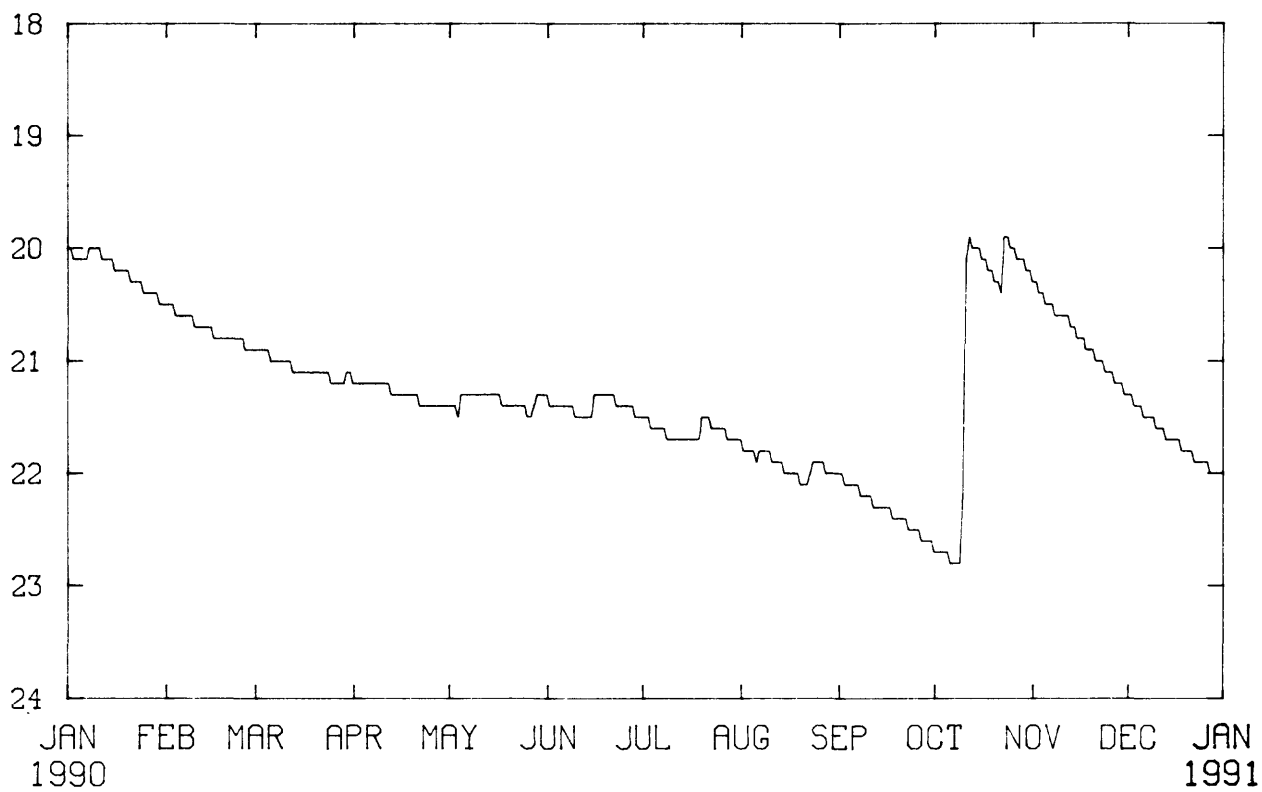


Figure 55.--Water levels in observation well FLO-85.

Table 37.--Characteristics and daily mean water level for well FLO-99

FLORENCE COUNTY

341200079444100. Local number, FLO-99.

LOCATION.--Lat 34°12'00'', long 79°44'45'', Hydrologic Unit 03040201, 85 ft east of the rear of City Products warehouse off East Day Street in Florence.

Owner: City Products, Kenneth Ness.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 216 ft, casing depth and screened intervals unknown.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 145 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.72 ft above land-surface datum.

REMARKS.--Gamma log, Aug. 13, 1980 to depth of 205 ft, caliper log, Aug. 13, 1980 to depth of 204 ft.

Obstruction between 30 to 40 ft. Water-quality data available in District files.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 27.26 ft below land-surface datum, May 4, 1983; lowest, 34.35 ft below land-surface datum, Sept. 29, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30.38	30.01	30.00	29.97	30.67	31.07	32.67	33.94	34.04	34.36	---	32.66
2	30.43	29.97	29.99	29.98	30.67	31.14	32.72	34.03	34.00	34.34	---	32.70
3	30.37	29.94	29.96	30.00	30.72	31.15	32.75	34.10	34.02	---	---	32.71
4	30.35	29.93	30.03	30.00	30.72	31.18	32.80	34.18	34.01	---	---	32.69
5	30.30	29.98	30.08	30.01	30.69	31.21	32.87	34.28	33.98	---	---	32.71
6	30.30	29.96	30.09	30.02	30.73	31.23	32.90	34.30	33.97	---	---	32.67
7	30.27	29.94	30.10	29.99	30.79	31.23	33.03	34.28	33.99	---	---	32.67
8	30.18	29.97	30.11	30.08	30.76	31.29	33.13	34.31	33.98	---	---	32.59
9	30.21	29.94	30.10	30.09	30.76	31.39	33.20	34.29	34.03	---	---	32.58
10	30.19	29.92	30.11	30.05	30.67	31.51	33.24	34.28	34.02	---	---	32.51
11	30.23	29.94	30.13	30.04	30.76	31.56	33.30	34.28	34.04	---	---	32.48
12	30.21	29.98	30.15	30.06	30.78	31.59	33.30	34.30	34.05	---	---	32.47
13	30.26	29.98	30.15	30.12	30.78	31.62	33.34	34.27	34.05	---	---	32.45
14	30.25	29.96	30.11	30.12	30.82	31.66	33.35	34.24	34.02	---	---	32.46
15	30.25	29.98	30.10	30.13	30.81	31.67	33.39	34.26	33.99	---	32.94	32.42
16	30.23	29.95	30.13	30.16	30.79	31.71	33.45	34.20	34.02	---	32.93	32.43
17	30.21	29.94	30.08	30.15	30.83	31.79	33.49	34.15	34.08	---	32.88	32.46
18	30.21	30.00	30.04	30.24	30.91	31.82	33.49	34.16	34.11	---	32.85	32.44
19	30.17	29.94	30.05	30.25	30.93	31.82	33.50	34.19	34.11	---	32.80	32.45
20	30.19	29.96	30.00	30.26	30.94	31.94	33.50	34.18	34.11	---	32.75	32.44
21	30.14	30.00	30.02	30.23	30.95	32.04	33.52	34.14	34.13	---	32.74	32.35
22	30.15	29.94	29.96	30.23	30.92	32.10	33.54	34.10	34.14	---	32.70	32.36
23	30.13	29.92	29.98	30.28	30.93	32.16	33.57	34.04	34.21	---	32.65	32.30
24	30.09	29.94	29.97	30.28	30.96	32.23	33.61	34.03	34.27	---	32.58	32.29
25	30.03	30.01	30.02	30.41	30.96	32.31	33.64	34.01	34.26	---	32.56	32.29
26	30.02	30.06	30.07	30.46	30.97	32.33	33.67	34.06	34.30	---	32.55	32.29
27	30.00	30.02	30.06	30.51	30.99	32.40	33.71	34.06	34.32	---	32.54	32.24
28	30.02	30.00	30.06	30.60	30.99	32.49	33.73	34.06	34.34	---	32.50	32.21
29	29.98	---	30.01	30.64	30.96	32.58	33.76	34.05	34.35	---	32.53	32.23
30	29.98	---	29.98	30.64	30.97	32.65	33.81	34.04	34.33	---	32.63	32.27
31	29.97	---	29.98	---	31.03	---	33.84	33.99	---	---	---	32.34
MEAN	30.18	29.97	30.05	30.20	30.84	31.76	33.35	34.15	34.11	---	---	32.46
MAX	30.43	30.06	30.15	30.64	31.03	32.65	33.84	34.31	34.35	---	---	32.71
MIN	29.97	29.92	29.96	29.97	30.67	31.07	32.67	33.94	33.97	---	---	32.21

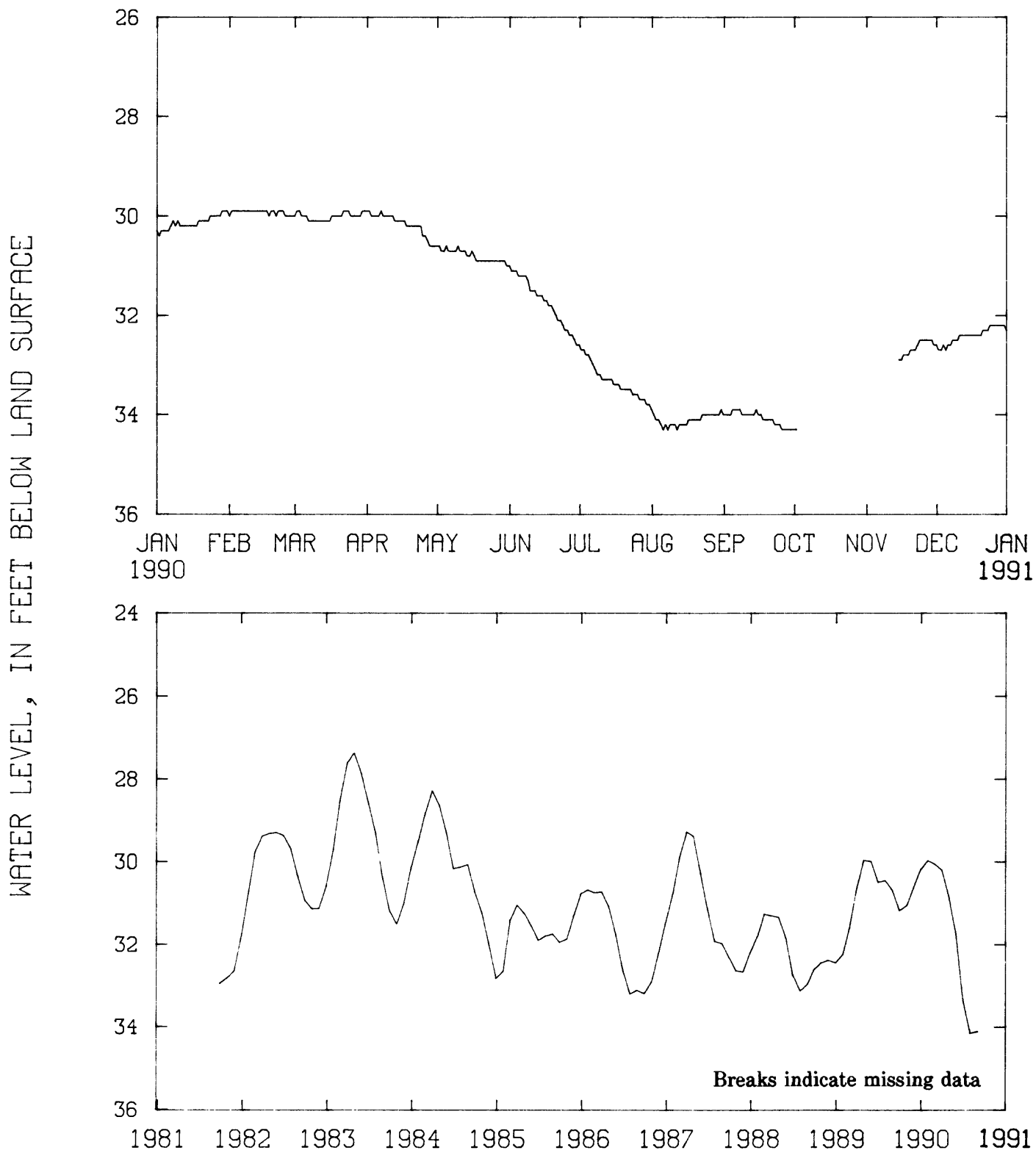


Figure 56.--Water levels in observation well FLO-99.

Table 38.--Characteristics and daily mean water level for well FLO-128

FLORENCE COUNTY

341144079345001. Local number, FLO-128.

LOCATION.--Lat 34°11'44'', long 79°34'50'', Hydrologic Unit 03040201, E. I. DuPont, Mars Bluff plant site
430 ft from State Hwy. 76.

Owner: E. I. DuPont, de Nemours Co.

AQUIFER.--Middendorf and Cape Fear Formations.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 695 ft cased to 690 ft, screened intervals
265-270, 275-290, 328-333, 376-381, 460-470, 680-690 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of
casing, 2.60 ft above land-surface datum.REMARKS.--1959 water-quality data on file in District office. Geophysical logged March 1959 to 800 ft,
geophysical logged May 1982 to 695 ft. Water level affected by nearby pumpage.

PERIOD OF RECORD.--January 1982 to July 1986. June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 54.28 ft below land-surface datum, Jan. 10, 1982;
lowest, 84.52 ft below land-surface datum, Aug. 22, 1990.WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	75.89	76.97	75.89	77.42	78.98	79.56	80.99	---	---	---	80.47	82.93
2	76.06	76.99	75.96	77.33	79.00	79.41	81.01	---	---	---	80.56	82.89
3	76.15	77.04	76.03	77.26	79.05	79.25	81.10	---	---	84.21	80.72	82.90
4	76.16	77.06	76.22	77.15	79.07	79.10	81.17	---	---	84.13	80.87	82.93
5	76.17	77.16	76.32	77.09	78.98	79.09	81.18	---	---	84.09	81.09	82.94
6	76.18	77.21	76.35	77.08	78.95	79.16	81.18	---	---	84.06	81.37	82.76
7	76.19	77.22	76.37	77.13	78.96	79.27	---	---	---	84.00	81.63	82.61
8	76.11	77.30	76.37	77.28	78.98	79.38	---	---	---	84.00	81.88	82.51
9	76.15	77.31	76.34	77.39	78.98	79.48	---	---	---	84.00	82.05	82.54
10	76.11	77.25	76.37	77.44	78.96	79.61	---	---	---	83.89	82.05	82.58
11	76.04	77.31	76.43	77.52	79.05	79.78	---	---	---	83.52	82.24	82.69
12	75.97	77.29	76.54	77.71	79.14	79.99	---	---	---	83.25	82.29	82.74
13	76.05	77.17	76.58	77.85	79.11	80.07	---	---	---	83.00	82.33	82.70
14	76.11	77.03	76.65	77.92	79.09	80.08	---	---	---	82.84	82.40	82.74
15	76.16	76.88	76.73	77.94	79.15	80.10	---	---	---	82.60	82.46	82.74
16	76.23	76.73	76.79	78.03	79.21	80.18	---	---	---	82.38	82.48	82.70
17	76.31	76.69	76.84	78.10	79.29	80.29	---	---	---	82.11	82.50	82.74
18	76.39	76.71	76.88	78.21	79.41	80.35	---	---	---	81.72	82.59	82.73
19	76.54	76.65	76.94	78.26	79.54	80.40	---	---	---	81.48	82.64	82.72
20	76.66	76.64	76.97	78.28	79.58	80.47	---	---	---	81.36	82.70	82.74
21	76.71	76.56	77.03	78.27	79.63	80.48	---	---	---	81.34	82.79	82.64
22	76.83	76.27	77.04	78.29	79.71	80.55	---	84.52	---	81.36	82.83	82.56
23	76.92	76.05	77.05	78.36	79.87	80.58	---	84.48	---	81.36	82.80	82.44
24	76.94	75.91	77.10	78.44	79.94	80.63	---	84.36	---	81.49	82.80	82.37
25	76.91	75.91	77.19	78.56	79.97	80.74	---	84.31	---	81.52	82.84	82.42
26	76.96	75.92	77.29	78.60	79.99	80.85	---	84.30	---	81.54	82.89	82.45
27	77.04	75.87	77.37	78.67	80.00	80.90	---	84.26	---	81.52	82.96	82.47
28	77.03	75.81	77.45	78.75	79.97	80.92	---	84.24	---	81.29	82.96	82.43
29	76.91	---	77.48	78.81	79.86	80.96	---	---	---	80.92	82.93	82.40
30	76.89	---	77.50	78.91	79.75	80.97	---	---	---	80.63	82.96	82.34
31	76.92	---	77.47	---	79.65	---	---	---	---	80.48	---	82.33
MEAN	76.44	76.75	76.76	77.93	79.38	80.09	---	---	---	---	82.20	82.63
MAX	77.04	77.31	77.50	78.91	80.00	80.97	---	---	---	---	82.96	82.94
MIN	75.89	75.81	75.89	77.08	78.95	79.09	---	---	---	---	80.47	82.33

WATER LEVEL, IN FEET BELOW LAND SURFACE

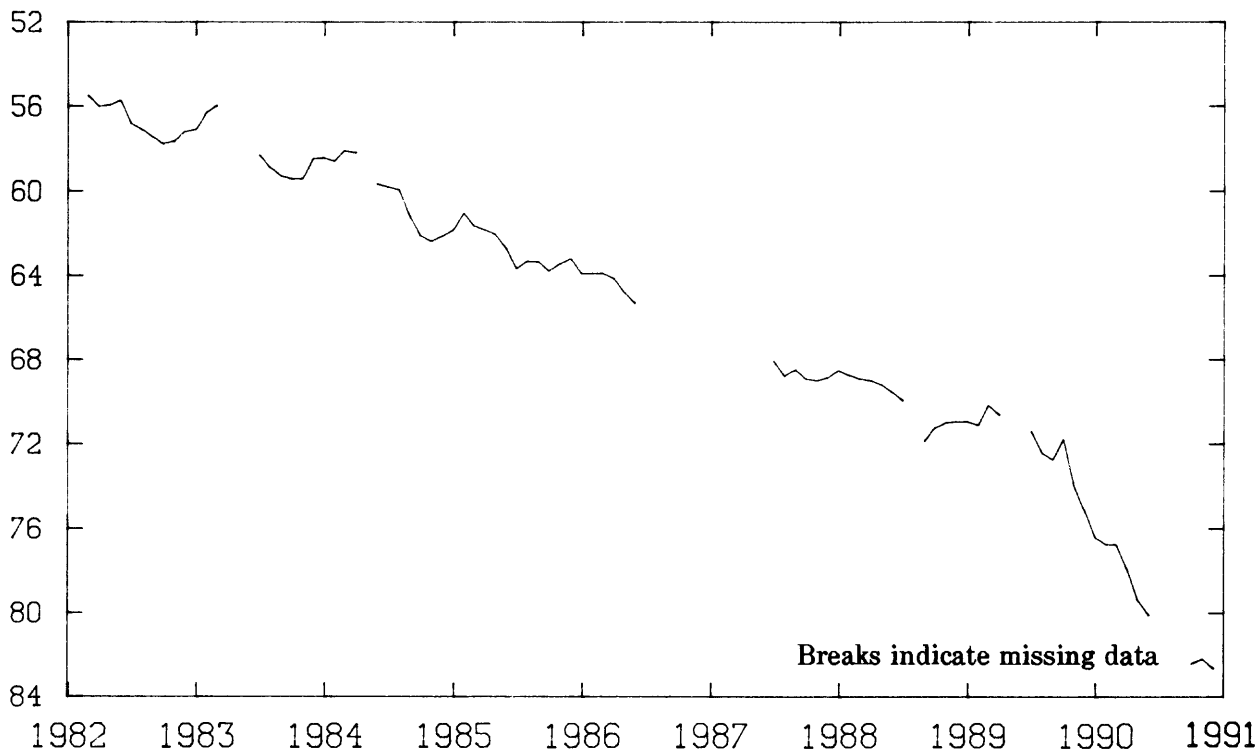
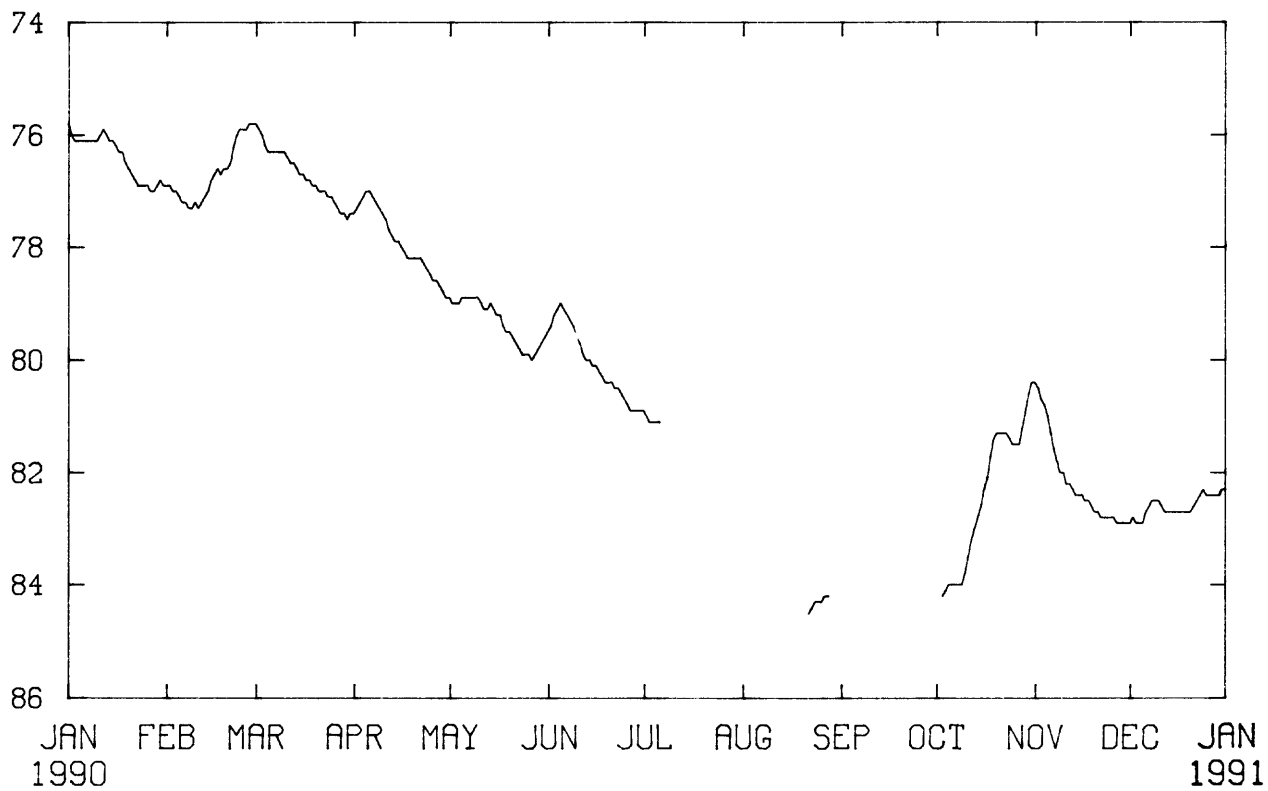


Figure 57.--Water levels in observation well FLO-128.

Table 39.--Characteristics and daily mean water level for well GEO-77

GEORGETOWN COUNTY

332424079171800. Local number, GEO-77.

LOCATION.--Lat 33°24'24'', long 79°17'18'', Hydrologic Unit 03040207, 5.0 mi north of Georgetown on U.S. Hwy. 701.

Owner: Georgetown Rural Water District.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in. from surface to 445 ft, 8 in. from 445 ft to 748 ft, depth 748 ft, screened intervals 490-520, 580-660, 720-740 ft, gravel packed.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

REMARKS.--Driller's log and geophysical logs available in District files.

PERIOD OF RECORD.--June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 63.73 ft below land-surface datum, Nov. 7, 1976; lowest, 103.45 ft below land-surface datum, Sept. 27, 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	97.99	98.98	98.22	98.41	98.26	99.51	100.90	101.16	102.16	103.34	102.22	102.05
2	98.18	98.91	98.18	98.35	98.32	99.61	100.89	101.09	102.21	103.34	102.19	102.08
3	98.23	98.87	98.12	98.28	98.40	99.63	100.94	101.03	102.23	103.35	102.13	102.07
4	98.25	98.75	98.24	98.30	98.40	99.63	100.97	101.05	102.36	103.29	102.05	102.12
5	98.30	98.79	98.34	98.31	98.32	99.74	100.94	101.03	102.43	103.26	101.93	102.25
6	98.33	98.80	98.41	98.31	98.32	99.86	100.92	101.01	102.46	103.23	101.91	102.29
7	98.39	98.72	98.53	98.31	98.38	99.93	101.00	100.96	102.51	103.19	101.91	102.31
8	98.37	98.73	98.60	98.36	98.42	100.0	101.10	100.96	102.59	103.15	101.91	102.33
9	98.51	98.66	98.60	98.37	98.41	100.05	101.17	100.92	102.67	103.10	101.83	102.47
10	98.57	98.53	98.64	98.29	98.32	100.08	101.22	100.90	102.73	102.96	101.69	102.52
11	98.62	98.51	98.70	98.19	98.40	100.15	101.28	100.92	102.81	102.61	101.78	102.60
12	98.65	98.52	98.75	98.26	98.43	100.26	101.34	100.98	102.88	102.57	101.74	102.66
13	98.84	98.55	98.80	98.30	98.38	100.35	101.38	101.02	102.93	102.51	101.75	102.70
14	98.94	98.51	98.84	98.25	98.39	100.37	101.35	101.05	102.97	102.53	101.80	102.79
15	98.98	98.48	98.87	98.15	98.42	100.40	101.31	101.11	102.98	102.55	101.80	102.80
16	99.04	98.41	98.87	98.12	98.44	100.47	101.27	101.17	103.04	102.60	101.74	102.79
17	99.08	98.38	98.82	98.12	98.44	100.58	101.02	101.20	103.18	102.61	101.67	102.81
18	99.09	98.41	98.84	98.22	98.51	100.63	101.18	101.27	103.29	102.54	101.69	102.74
19	99.12	98.27	98.86	98.28	98.59	100.66	101.14	101.34	103.31	102.55	101.69	102.80
20	99.12	98.29	98.84	98.28	98.62	100.75	101.10	101.42	103.33	102.57	101.70	102.88
21	99.07	98.33	98.89	98.21	98.67	100.82	101.00	101.50	103.35	102.53	101.72	102.86
22	99.08	98.23	98.89	98.17	98.73	100.84	101.14	101.53	103.34	102.46	101.69	102.98
23	99.11	98.13	98.85	98.18	98.88	100.82	101.17	101.57	103.35	102.32	101.63	103.13
24	99.10	98.14	98.81	98.20	98.99	100.84	101.25	101.65	103.43	102.32	101.65	103.18
25	99.07	98.25	98.78	98.21	99.09	100.90	101.23	101.75	103.44	102.25	101.70	103.25
26	99.08	98.32	98.76	98.20	99.15	100.93	101.28	101.75	103.42	102.29	101.75	103.27
27	99.14	98.28	98.75	98.20	99.17	100.95	101.26	101.79	103.45	102.35	101.81	103.25
28	99.09	98.22	98.76	98.18	99.11	100.97	101.23	101.86	103.45	102.29	101.81	103.24
29	98.96	---	98.66	98.19	99.07	100.98	101.20	101.93	103.42	102.28	101.85	---
30	98.96	---	98.59	98.22	99.24	100.95	101.17	101.72	103.37	102.28	102.00	---
31	98.98	---	98.47	---	99.40	---	101.15	102.05	---	102.24	---	---
MEAN	98.78	98.50	98.65	98.25	98.63	100.39	101.15	101.31	102.97	102.69	101.82	---
MAX	99.14	98.98	98.89	98.41	99.40	100.98	101.38	102.05	103.45	103.35	102.22	---
MIN	97.99	98.13	98.12	98.12	98.26	99.51	100.89	100.90	102.16	102.24	101.63	---

WATER LEVEL, IN FEET BELOW LAND SURFACE

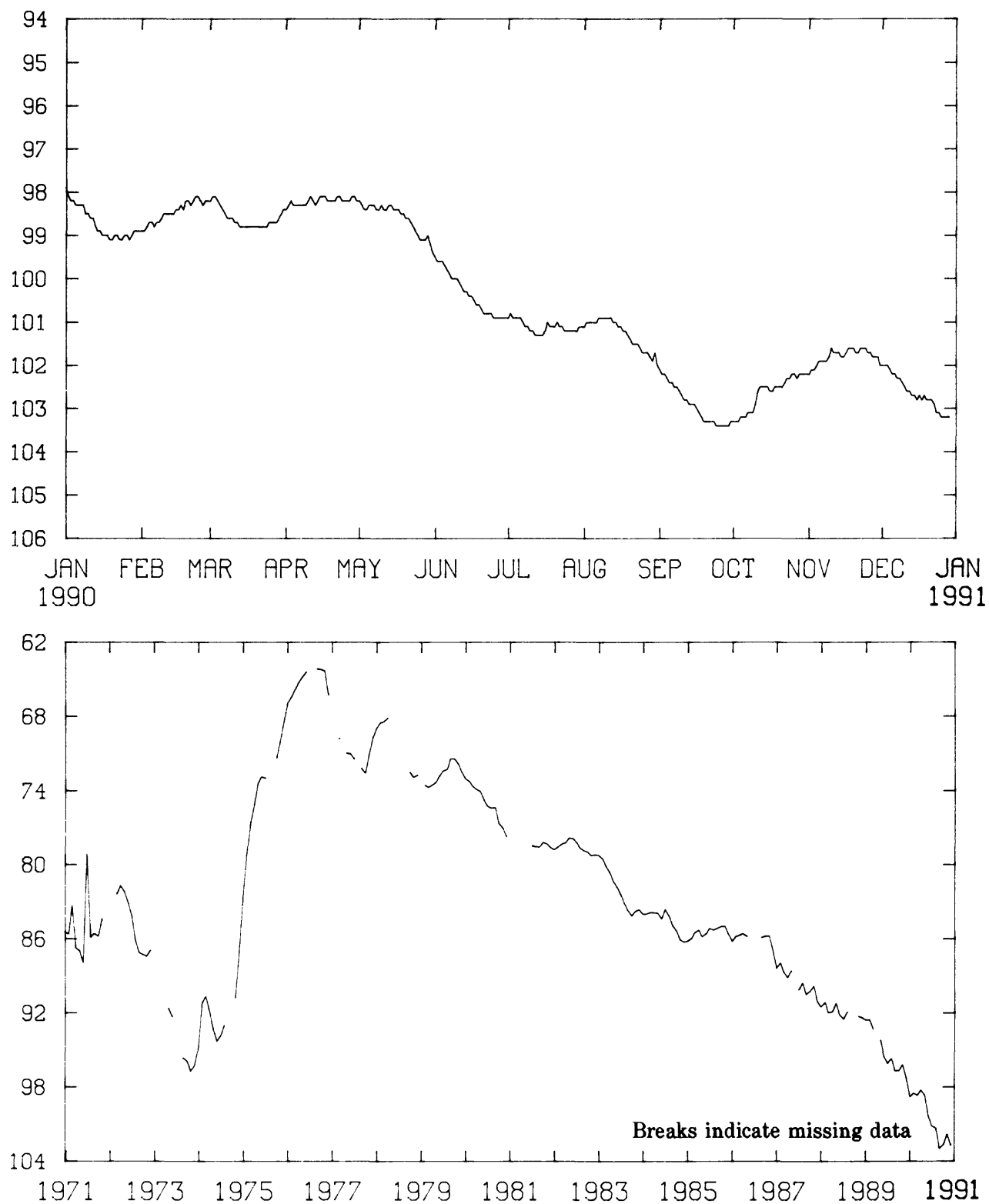


Figure 58.--Water levels in observation well GEO-77.

Table 40.--Characteristics and daily mean water level for well GEO-84

GEORGETOWN COUNTY

332610079104000. Local number, GEO-84.

LOCATION.--Lat 33°26'09'', long 79°10'35'', Hydrologic Unit 03040207, 2 mi west of Pawleys Island, South Causeway entrance on U.S. Highway 17.

Owner: Johnnie Strait.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 620 ft, cased to 575 ft, screened interval 575-620 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Gamma logged Feb., 1969 to 530 ft. Fluid-Temperature Resistance logged Oct. 1969 to 535 ft. Water-level influenced by nearby pumping. Water-quality data available in District files.

PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 31.38 ft below land-surface datum, Feb. 10, 1978; lowest, 106.38 ft below land-surface datum, Dec. 27, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	102.37	93.47	94.54	96.82	99.99	97.52	97.95	93.12	99.02	95.41	92.50
2	---	102.46	93.08	94.05	96.86	99.67	97.61	97.96	93.02	98.84	95.21	92.40
3	---	102.60	92.76	93.68	96.90	99.39	97.54	97.80	92.94	98.15	95.02	92.21
4	---	102.63	92.58	93.35	96.99	99.13	97.63	97.81	92.89	97.47	94.80	92.23
5	---	102.85	92.39	93.07	97.17	98.83	97.72	97.83	92.76	97.03	94.53	92.41
6	---	102.93	92.21	92.81	97.33	98.63	97.82	97.80	92.65	96.59	94.39	92.32
7	---	102.99	92.05	92.58	97.28	---	97.94	97.81	92.60	96.27	94.27	92.34
8	---	103.11	91.81	92.31	97.43	99.57	98.11	97.77	92.58	95.97	94.18	92.36
9	---	103.14	91.63	92.08	97.55	99.86	98.41	97.65	92.47	95.67	93.92	92.38
10	---	103.14	91.54	91.79	97.71	99.85	98.56	97.60	92.38	95.78	93.77	92.42
11	---	103.23	---	91.52	98.16	99.80	98.73	97.62	92.34	96.44	93.98	92.52
12	---	103.35	---	91.38	98.21	99.71	98.92	97.66	92.27	97.14	93.88	92.54
13	---	103.00	---	91.18	98.26	99.67	99.04	97.66	92.22	97.73	93.79	92.69
14	---	101.87	91.13	90.86	98.51	99.55	98.89	97.36	92.15	98.30	93.74	92.96
15	---	100.81	91.47	90.63	98.58	98.96	98.69	96.89	92.48	98.84	93.65	92.79
16	---	99.85	92.64	90.45	98.55	98.14	98.58	96.43	93.14	99.25	93.51	92.82
17	---	99.15	93.66	90.28	98.74	97.51	98.31	95.95	93.64	98.88	93.39	92.82
18	---	98.39	94.63	90.70	99.09	96.97	97.92	---	93.85	98.13	93.27	92.68
19	---	97.70	95.36	91.58	99.14	96.51	97.41	---	94.04	98.13	93.16	92.82
20	---	97.22	95.99	92.52	99.16	96.55	97.18	---	94.38	98.47	93.13	93.40
21	---	96.70	96.60	93.15	99.33	96.90	97.25	---	94.42	98.75	93.06	94.29
22	---	96.11	97.07	93.62	99.53	97.22	97.41	---	94.56	98.92	92.98	94.71
23	---	95.60	97.53	94.09	99.62	97.22	97.49	---	95.39	98.50	92.89	94.59
24	---	95.35	97.93	94.58	99.58	96.99	97.76	---	96.18	97.91	92.88	95.05
25	101.05	95.02	98.24	94.86	99.69	96.82	98.06	---	96.82	97.30	92.86	95.51
26	101.38	94.65	98.53	95.10	99.81	96.80	97.98	---	97.32	97.02	92.86	95.29
27	101.69	94.20	98.14	95.35	100.00	96.74	97.87	93.94	97.86	96.67	92.81	94.80
28	101.82	93.82	97.14	95.66	100.09	96.81	97.90	93.70	98.22	96.32	92.66	94.57
29	101.86	---	96.24	96.01	100.25	97.04	97.82	93.55	98.31	96.08	92.61	95.08
30	102.08	---	95.67	96.44	100.39	97.29	97.81	93.41	98.64	95.85	92.63	95.22
31	102.24	---	95.05	---	100.22	---	97.79	93.16	---	95.62	---	95.24
MEAN	---	99.79	---	93.01	98.61	---	97.99	---	94.19	97.45	93.64	93.42
MAX	---	103.35	---	96.44	100.39	---	99.04	---	98.64	99.25	95.41	95.51
MIN	---	93.82	---	90.28	96.82	---	97.18	---	92.15	95.62	92.61	92.21

WATER LEVEL, IN FEET BELOW LAND SURFACE

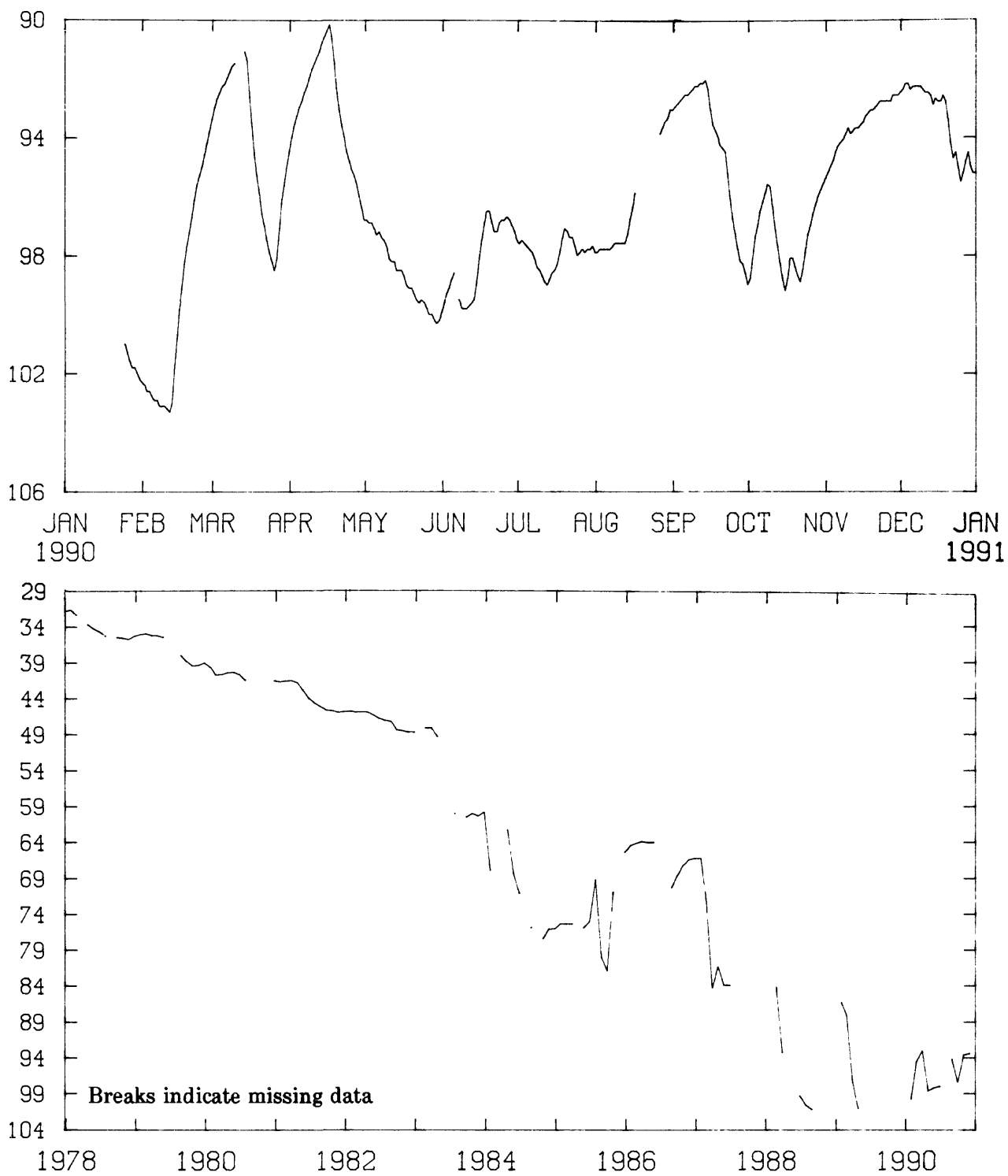


Figure 59.--Water levels in observation well GEO-84.

Table 41.--Characteristics and daily mean water level for well GRV-709

GREENVILLE COUNTY

345335082185800. Local number, GRV-709.

LOCATION.--Lat 34°53'32'', long 82°17'47'', Hydrologic Unit 03050109, at Brushy Creek Elementary School northeast of Greenville.

Owner: School District of Greenville County.

AQUIFER.--Rocks of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in., depth 80 ft, cased to 6 ft, open hole from 6 to 80 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 948 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.73 ft above land-surface datum.

REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--May 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 23.81 ft below land-surface datum, June 28, 1973; lowest, 35.62 ft below land-surface datum, Feb. 22, 23, 24, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	33.53	32.88	31.95	30.60	29.73	29.59	30.00	30.84	31.70	32.23	32.35	32.21
2	33.52	32.83	31.89	30.55	29.72	29.59	30.04	30.88	31.71	32.25	32.34	32.20
3	33.49	32.81	31.84	30.51	29.72	29.55	30.09	30.90	31.73	32.27	32.31	32.16
4	33.47	32.76	31.83	30.47	29.68	29.53	30.12	30.92	31.76	32.27	32.28	32.19
5	33.46	32.77	31.80	30.44	29.64	29.57	30.12	30.94	31.77	32.30	32.24	32.22
6	33.44	32.73	31.76	30.41	29.66	29.59	30.14	30.97	31.78	32.31	32.25	32.21
7	33.42	32.69	31.74	30.40	29.67	29.59	30.19	31.00	31.79	32.33	32.25	32.22
8	33.39	32.67	31.69	30.38	29.65	29.60	30.22	31.04	31.82	32.35	32.25	32.24
9	33.39	32.62	31.63	30.35	29.61	29.61	30.24	31.06	31.85	32.36	32.21	32.27
10	33.37	32.58	31.59	30.26	29.58	29.61	30.26	31.08	31.86	32.36	32.19	32.27
11	33.33	32.57	31.55	30.22	29.63	29.63	30.29	31.12	31.89	32.39	32.23	32.29
12	33.32	32.56	31.51	30.22	29.62	29.67	30.32	31.15	31.90	32.39	32.22	32.29
13	33.33	32.53	31.46	30.20	29.57	29.68	30.33	31.18	31.92	32.41	32.22	32.30
14	33.30	32.50	31.42	30.14	29.58	29.66	30.35	31.20	31.92	32.44	32.23	32.35
15	33.28	32.46	31.38	30.09	29.58	29.65	30.40	31.23	31.93	32.46	32.21	32.34
16	33.26	32.42	31.32	30.06	29.55	29.71	30.45	31.26	31.96	32.48	32.17	32.36
17	33.23	32.42	31.26	30.04	29.54	29.74	30.48	31.29	32.00	32.48	32.16	32.37
18	33.21	32.39	31.25	30.07	29.56	29.72	30.49	31.31	32.02	32.46	32.16	32.34
19	33.19	32.32	31.20	30.04	29.54	29.73	30.51	31.33	32.01	32.50	32.15	32.42
20	33.16	32.31	31.16	29.99	29.52	29.77	30.53	31.35	32.03	32.51	32.16	32.46
21	33.12	32.28	31.12	29.93	29.51	29.79	30.55	31.37	32.05	32.51	32.17	32.45
22	33.12	32.20	31.08	29.90	29.51	29.80	30.57	31.39	32.05	32.47	32.14	32.45
23	33.10	32.15	31.02	29.88	29.54	29.80	30.59	31.40	32.08	32.47	32.12	32.44
24	33.07	32.15	30.98	29.86	29.53	29.85	30.63	31.42	32.12	32.47	32.14	32.49
25	33.04	32.15	30.93	29.85	29.54	29.90	30.67	31.46	32.12	32.44	32.15	32.52
26	33.05	32.11	30.89	29.81	29.50	29.92	30.70	31.49	32.13	32.45	32.16	32.54
27	33.02	32.04	30.85	29.79	29.49	29.93	30.71	31.53	32.17	32.46	32.17	32.54
28	32.99	31.99	30.80	29.76	29.48	29.97	30.73	31.57	32.19	32.42	32.16	32.53
29	32.94	---	30.75	29.76	29.50	29.99	30.76	31.60	32.19	32.42	32.19	32.54
30	32.93	---	30.70	29.73	29.55	30.00	30.78	31.63	32.21	32.40	32.21	32.51
31	32.91	---	30.65	---	29.57	---	30.81	31.67	---	32.37	---	32.55
MEAN	33.24	32.46	31.32	30.12	29.58	29.72	30.42	31.24	31.96	32.40	32.21	32.36
MAX	33.53	32.88	31.95	30.60	29.73	30.00	30.81	31.67	32.21	32.51	32.35	32.55
MIN	32.91	31.99	30.65	29.73	29.48	29.53	30.00	30.84	31.70	32.23	32.12	32.16

CAL YR 1990 MEAN 31.42 HIGH 29.48 LOW 33.53

WATER LEVEL, IN FEET BELOW LAND SURFACE

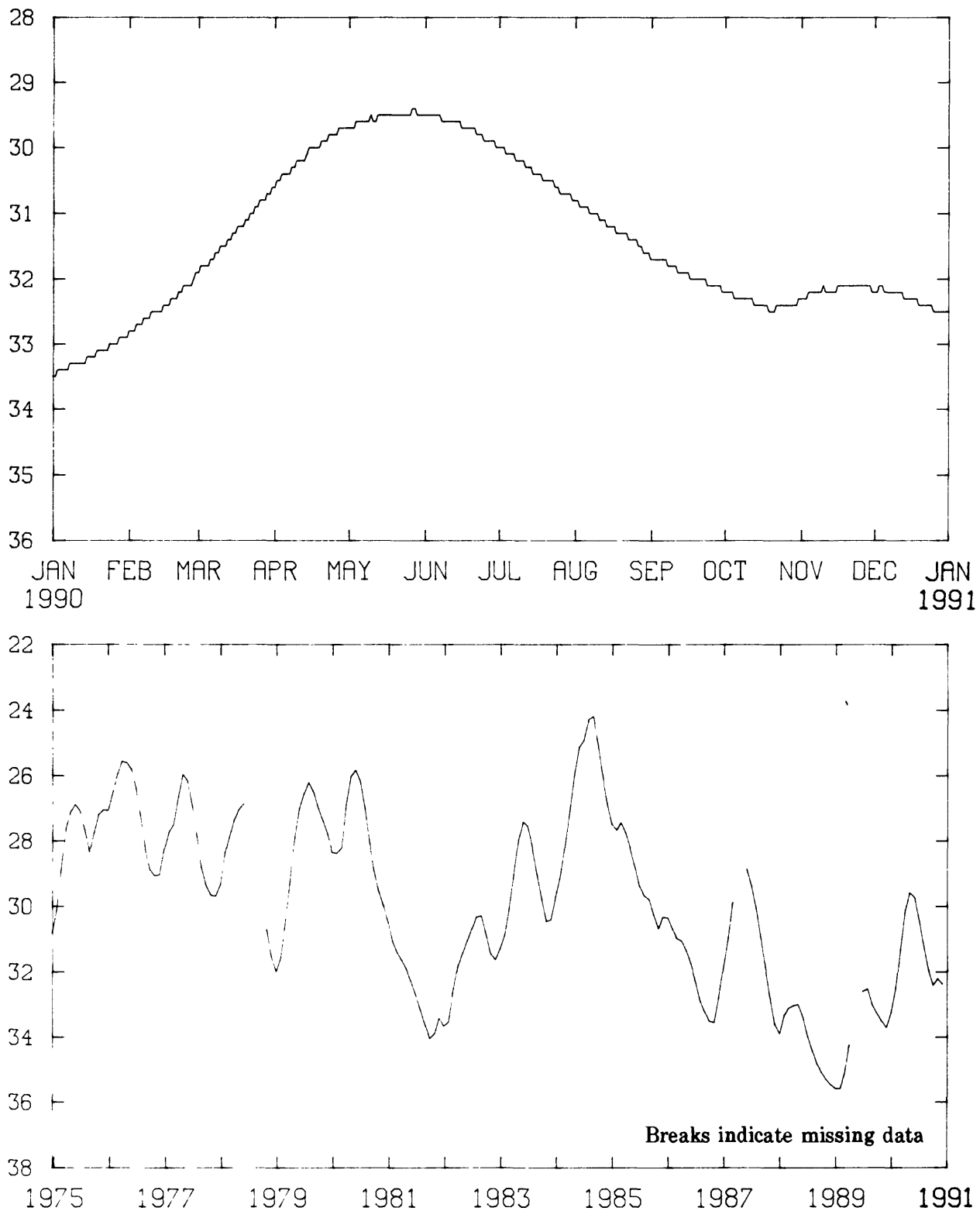


Figure 60.--Water levels in observation well GRV-709.

Table 42.--Characteristics and daily mean water level for well HAM-82

HAMPTON COUNTY

325005081122800. Local number, HAM-82.

LOCATION.--Lat 32°50'05'', long 81°12'28'', Hydrologic Unit 03050208, at the intersection of State Highway 363 and State Road 41, 5.7 mi west of Hampton on SC-363, at Hampton County landfill.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 200 ft, cased to 98 ft, open hole from 98 to 200 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 125 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 2.80 ft above land-surface datum.

REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 25.43 below land-surface datum, Apr. 24, 1983; lowest, 34.15 ft below land-surface datum Oct. 8, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	27.74	26.81	26.73	26.90	28.60	30.02	31.26	32.56	32.64	33.91	31.59	29.60
2	27.78	26.78	26.68	26.92	28.72	30.05	31.35	32.59	32.69	33.97	31.51	29.52
3	27.74	26.78	26.61	26.91	28.90	30.05	31.49	32.60	32.69	34.01	31.40	29.42
4	27.69	26.72	26.67	26.96	28.95	30.05	31.61	32.64	32.72	34.03	31.27	29.38
5	27.64	26.79	26.72	26.99	28.92	30.10	31.66	32.69	32.71	34.06	31.13	29.42
6	27.50	26.83	26.75	27.02	28.96	30.22	31.79	32.72	32.72	34.08	31.07	29.35
7	27.40	26.78	26.80	27.07	29.02	30.26	31.90	32.71	32.76	34.12	31.03	29.29
8	27.30	26.80	26.81	27.14	29.05	30.32	31.99	32.73	32.82	34.15	30.97	29.26
9	27.30	26.76	26.77	27.18	29.05	30.31	32.09	32.72	32.82	34.14	30.83	29.28
10	27.29	26.68	26.77	27.14	29.00	30.33	32.21	32.72	32.84	33.94	30.60	29.25
11	27.23	26.71	26.80	27.09	29.07	30.33	32.31	32.72	32.89	33.82	30.64	29.23
12	27.17	26.76	26.81	27.16	29.14	30.42	32.40	32.74	32.94	33.70	30.57	29.22
13	27.24	26.80	26.80	27.22	29.16	30.50	32.43	32.74	32.99	33.67	30.50	29.18
14	27.26	26.80	26.80	27.20	29.22	30.54	32.42	32.75	33.02	33.61	30.45	29.19
15	27.24	26.79	26.80	27.16	29.34	30.55	32.44	32.76	33.06	33.57	30.40	29.19
16	27.21	26.75	26.81	27.22	29.42	30.55	32.52	32.79	33.14	33.53	30.28	29.15
17	27.16	26.74	26.82	27.30	29.42	30.57	32.58	32.76	33.25	33.43	30.16	29.13
18	27.10	26.78	26.82	27.46	29.48	30.62	32.60	32.74	33.30	33.26	30.13	29.06
19	27.08	26.70	26.83	27.54	29.57	30.62	32.59	32.72	33.30	33.16	30.09	29.05
20	27.06	26.74	26.83	27.59	29.65	30.67	32.56	32.73	33.31	33.09	30.06	29.09
21	26.97	26.77	26.89	27.60	29.64	30.74	32.52	32.78	33.35	32.97	30.03	29.07
22	26.95	26.66	26.92	27.69	29.60	30.79	32.47	32.76	33.38	32.78	29.94	29.04
23	26.95	26.60	26.96	27.81	29.69	30.79	32.43	32.68	33.46	32.52	29.84	29.00
24	26.92	26.65	27.03	27.97	29.74	30.85	32.42	32.66	33.55	32.40	29.81	29.00
25	26.86	26.77	27.02	28.11	29.79	30.92	32.43	32.68	33.59	32.26	29.80	29.04
26	26.85	26.84	27.00	28.20	29.82	31.03	32.44	32.68	33.63	32.19	29.78	29.05
27	26.89	26.81	27.01	28.25	29.88	31.13	32.44	32.65	33.71	32.14	29.75	29.05
28	26.85	26.75	27.05	28.37	29.87	31.13	32.45	32.60	33.78	32.02	29.66	29.04
29	26.75	---	26.99	28.39	29.80	31.17	32.46	32.58	33.80	31.92	29.62	29.03
30	26.77	---	26.95	28.48	29.86	31.25	32.46	32.58	33.83	31.82	29.65	28.99
31	26.79	---	26.89	---	29.94	---	32.47	32.59	---	31.70	---	28.98
MEAN	27.18	26.76	26.84	27.47	29.36	30.56	32.23	32.69	33.16	33.22	30.42	29.18
MAX	27.78	26.84	27.05	28.48	29.94	31.25	32.60	32.79	33.83	34.15	31.59	29.60
MIN	26.75	26.60	26.61	26.90	28.60	30.02	31.26	32.56	32.64	31.70	29.62	28.98

CAL YR 1990 MEAN 29.94 HIGH 26.60 LOW 34.15

WATER LEVEL, IN FEET BELOW LAND SURFACE

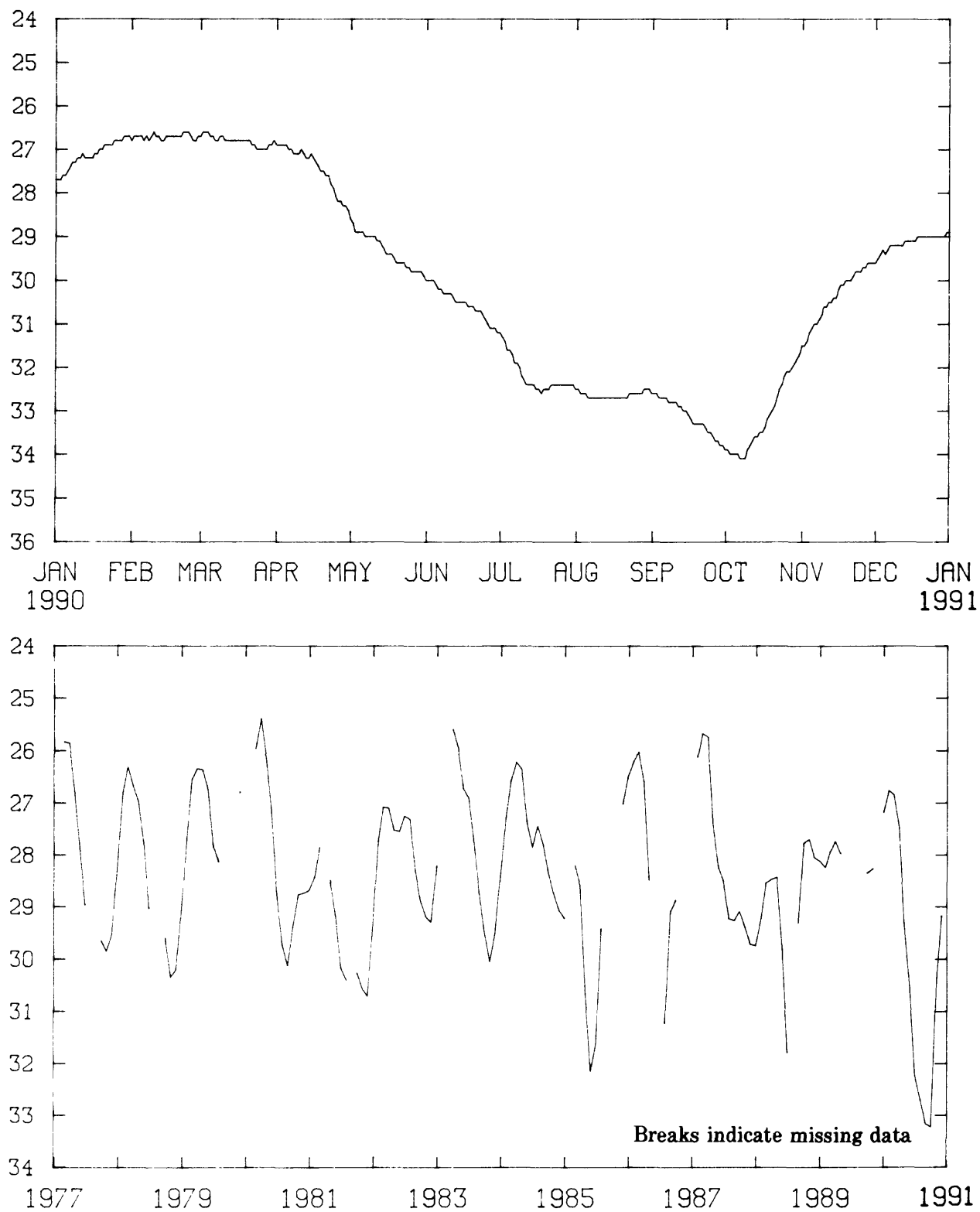


Figure 61.--Water levels in observation well HAM-82.

Table 43.--Characteristics and daily mean water level for well HAM-83

HAMPTON COUNTY

324143080505900. Local number, HAM-83.

LOCATION.--Lat 32°41'43'', long 80°50'59'', Hydrologic Unit 03050208, northwest of Ebenezer Methodist Church, 170 ft northeast and 80 ft northwest of intersection of State Road 44 and State Road 10, 0.4 mi northwest of the intersection of State Road 44 and U.S. Highway 17A-21, in Yemassee.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 190 ft, cased to 85.5 ft, open hole from 85.5 to 190 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.

REMARKS.--1976 Caliper, electric, and gamma logs available in District files.

PERIOD OF RECORD.--May 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 32.26 ft below land-surface datum, Apr. 24, 1983; lowest, 37.28 ft below land-surface datum, Oct. 3, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	34.72	34.41	34.17	33.98	34.47	35.49	35.89	36.53	36.37	37.11	36.12	35.82
2	35.11	34.34	34.06	34.12	34.73	35.48	35.98	36.51	36.26	37.17	36.10	35.83
3	35.07	34.21	33.90	34.18	34.49	35.37	36.02	36.28	36.22	37.28	36.24	35.92
4	35.07	34.08	33.94	34.17	34.68	35.68	36.05	36.40	36.33	37.13	35.94	35.99
5	34.92	34.27	34.08	34.33	34.34	35.65	36.12	36.43	36.34	37.13	35.98	36.06
6	34.79	34.37	34.14	34.30	34.35	35.59	36.27	36.54	36.22	37.00	36.03	36.05
7	34.47	34.44	34.18	34.12	34.58	35.73	36.38	36.51	36.32	36.94	36.11	35.99
8	34.58	34.49	34.21	34.16	34.48	35.78	36.49	36.53	36.26	37.08	36.14	35.73
9	34.75	34.39	34.14	34.21	34.45	35.52	36.48	36.31	36.29	37.12	35.93	35.84
10	34.71	34.05	34.06	34.16	34.29	35.60	36.59	36.29	36.45	36.89	35.70	36.02
11	34.69	34.09	34.06	34.02	34.44	35.56	36.63	36.31	36.64	36.69	35.75	36.03
12	34.57	34.32	34.19	34.14	34.53	35.54	36.57	36.34	36.46	36.38	35.89	35.98
13	34.52	34.41	34.15	34.17	34.46	35.51	36.75	36.35	36.61	36.14	36.07	35.98
14	34.56	34.19	34.18	34.08	34.75	35.50	36.32	36.38	36.50	35.98	36.15	35.96
15	34.69	34.20	34.23	33.99	35.06	35.54	36.31	36.27	36.43	35.96	36.08	35.69
16	34.80	34.37	34.29	34.17	34.93	35.39	36.39	36.27	36.56	36.05	36.05	35.64
17	34.69	34.15	34.11	34.39	34.86	35.35	36.47	36.27	36.83	36.14	35.90	35.77
18	34.75	34.16	34.15	34.58	34.83	35.38	36.43	36.24	37.03	36.15	35.80	35.81
19	34.53	34.20	34.28	34.49	34.75	35.50	36.25	36.20	36.87	36.18	35.90	35.91
20	34.49	34.14	34.35	34.36	34.77	35.61	36.22	36.24	36.82	36.14	35.98	35.91
21	34.41	34.13	34.33	34.23	34.90	35.75	36.17	36.30	36.89	36.11	36.01	35.94
22	34.50	34.18	34.38	34.26	35.03	35.93	36.08	36.29	36.77	36.21	35.82	35.74
23	34.50	33.92	34.36	34.57	35.00	35.67	36.11	36.25	36.87	36.13	35.89	35.55
24	34.50	33.97	34.33	34.61	35.19	35.61	36.11	36.23	37.06	36.24	35.90	35.59
25	34.48	34.09	34.05	34.62	35.18	35.80	36.09	36.21	36.91	36.22	35.83	35.55
26	34.43	34.25	34.68	34.37	35.07	35.91	36.12	36.20	36.85	36.22	35.97	35.57
27	34.47	34.26	34.39	34.26	34.99	35.80	36.17	36.26	36.95	36.37	36.06	35.63
28	34.64	34.21	34.43	34.31	34.88	35.81	36.10	36.29	37.01	36.08	36.05	35.55
29	34.55	---	34.34	34.20	34.99	35.87	36.15	36.45	37.02	36.19	35.96	35.51
30	34.47	---	34.32	34.25	35.16	35.97	36.25	36.36	37.03	36.22	36.06	35.47
31	34.39	---	34.06	---	35.37	---	36.37	36.34	---	36.17	---	35.47
MEAN	34.64	34.22	34.21	34.26	34.77	35.63	36.27	36.33	36.64	36.48	35.98	35.79
MAX	35.11	34.49	34.68	34.62	35.37	35.97	36.75	36.54	37.06	37.28	36.24	36.06
MIN	34.39	33.92	33.90	33.98	34.29	35.35	35.89	36.20	36.22	35.96	35.70	35.47

CAL YR 1990 MEAN 35.44 HIGH 33.90 LOW 37.28

WATER LEVEL, IN FEET BELOW LAND SURFACE

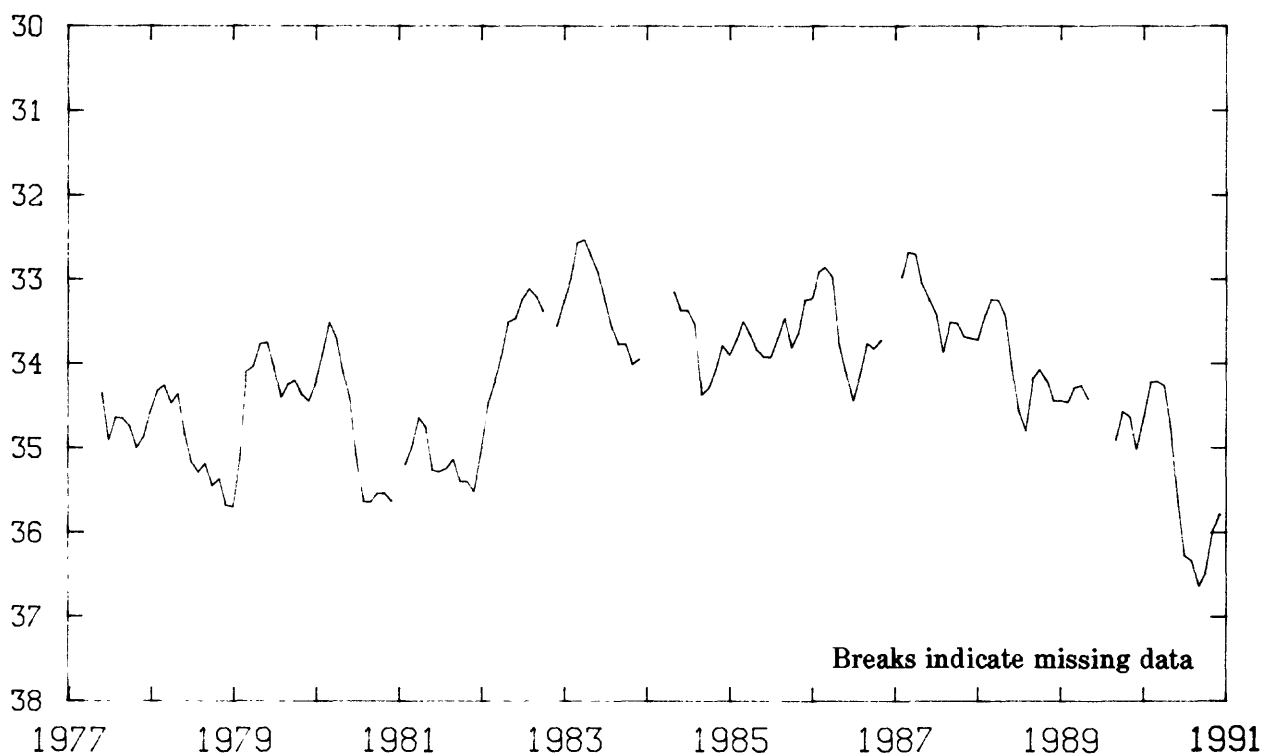
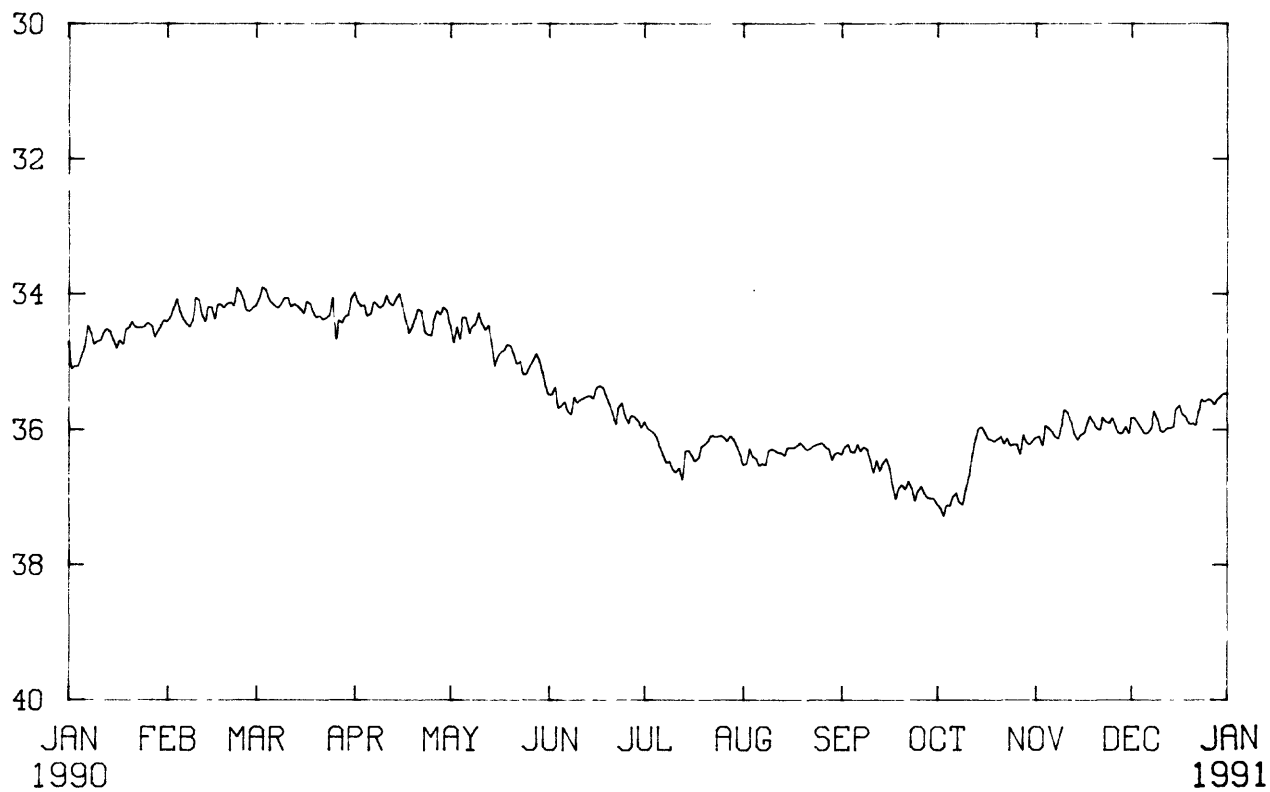


Figure 62.--Water levels in observation well HAM-83.

Table 44.--Characteristics and daily mean water level for well HO-269

HORRY COUNTY

334747078435400. Local number, HO-269.

LOCATION.--Lat 33°47'47'', long 78°43'54'', Hydrologic Unit 03040207, Windy Hill Park.

Owner: City of North Myrtle Beach.

AQUIFER.--Pee Dee and Black Creek Formations.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 416 ft, screens located at unknown intervals below 201 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft above land-surface datum.

REMARKS.--Geophysical logs available in District Files.

PERIOD OF RECORD.--June 1977 to current year. Prior to October 1983, published as HO-433.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.17 ft below land-surface datum, Dec. 16, 1977; lowest, 118.76 ft below land-surface datum, Aug. 24, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	88.10	84.77	83.37	83.21	---	86.30	93.25	97.15	95.14	89.69	87.02	85.31
2	87.93	84.68	83.28	83.16	---	86.24	93.63	97.25	95.02	89.53	86.87	85.26
3	87.69	84.62	83.21	83.11	---	86.33	94.02	97.34	95.12	89.40	86.78	85.13
4	87.44	84.51	83.20	---	---	86.48	94.46	97.41	95.10	89.25	86.93	85.01
5	87.23	84.45	83.19	---	---	86.63	95.07	97.53	94.47	89.14	86.96	85.10
6	86.98	84.35	83.20	---	---	86.76	95.70	97.61	93.89	89.01	86.85	85.09
7	86.74	84.25	83.24	---	---	87.05	96.22	97.70	93.77	88.93	86.69	85.00
8	86.41	84.19	83.21	---	---	87.60	96.57	97.62	93.66	88.88	86.53	84.85
9	86.32	84.11	83.18	---	---	88.12	96.55	97.35	93.41	88.77	86.36	84.77
10	86.23	84.04	83.23	---	---	88.60	96.36	97.07	93.04	88.54	86.05	84.73
11	86.13	83.97	83.26	---	---	89.03	96.33	97.00	92.70	88.28	86.14	84.71
12	86.00	83.90	83.28	---	---	89.18	96.32	97.10	92.39	88.11	86.18	84.66
13	85.98	83.90	83.31	83.42	---	89.21	96.41	97.16	92.13	87.97	86.14	84.64
14	85.93	83.87	83.33	---	---	89.27	96.45	97.11	91.88	87.89	86.09	84.66
15	85.84	83.85	83.32	---	---	89.38	96.43	97.15	91.70	87.88	86.01	84.60
16	85.77	83.80	83.31	---	---	89.53	96.49	97.42	91.70	87.87	85.92	84.54
17	85.70	83.75	83.30	---	---	89.99	96.56	97.77	91.71	87.80	85.82	84.53
18	85.61	83.72	83.31	---	---	90.57	96.56	97.98	91.56	87.66	85.75	84.46
19	85.55	83.59	83.35	---	---	90.89	96.49	98.05	91.27	87.58	85.63	84.39
20	85.45	83.59	83.34	---	---	90.99	96.50	97.74	91.09	87.57	85.55	84.36
21	85.37	83.58	83.37	---	---	90.95	96.58	97.24	90.88	87.52	85.49	84.28
22	85.37	83.53	83.38	---	---	91.04	96.67	96.71	90.71	87.47	85.43	84.27
23	85.33	83.46	83.38	---	---	91.22	96.71	96.26	90.66	87.34	85.38	84.24
24	85.25	83.47	83.39	---	---	91.47	96.55	96.01	90.67	87.21	85.35	84.19
25	85.16	83.53	83.36	---	---	91.77	96.48	95.93	90.55	87.54	85.37	84.21
26	85.11	83.53	83.32	---	---	91.96	96.54	96.03	90.33	88.36	85.42	84.15
27	85.17	83.51	83.27	---	---	92.03	96.61	96.15	90.18	88.55	85.45	84.09
28	85.12	83.44	83.24	---	---	92.25	96.64	96.16	90.08	88.01	85.43	84.01
29	84.99	---	83.14	---	---	92.56	96.63	96.28	89.94	87.62	85.34	83.96
30	84.88	---	83.18	---	---	92.86	96.79	96.30	89.80	87.38	85.37	83.89
31	84.85	---	83.24	---	86.55	---	97.01	95.72	---	87.18	---	83.84
MEAN	85.99	83.93	83.28	---	---	89.54	96.12	97.01	92.15	88.19	86.01	84.55
MAX	88.10	84.77	83.39	---	---	92.86	97.01	98.05	95.14	89.69	87.02	85.31
MIN	84.85	83.44	83.14	---	---	86.24	93.25	95.72	89.80	87.18	85.34	83.84

WATER LEVEL, IN FEET BELOW LAND SURFACE

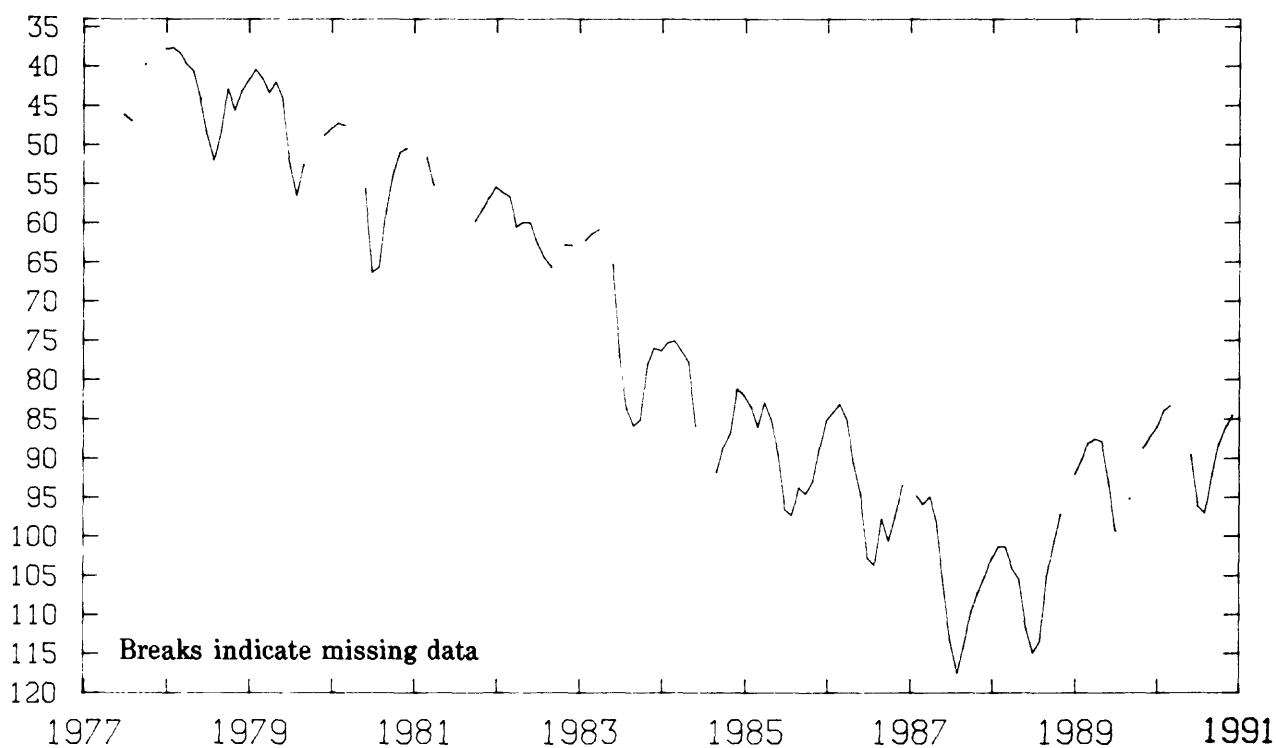
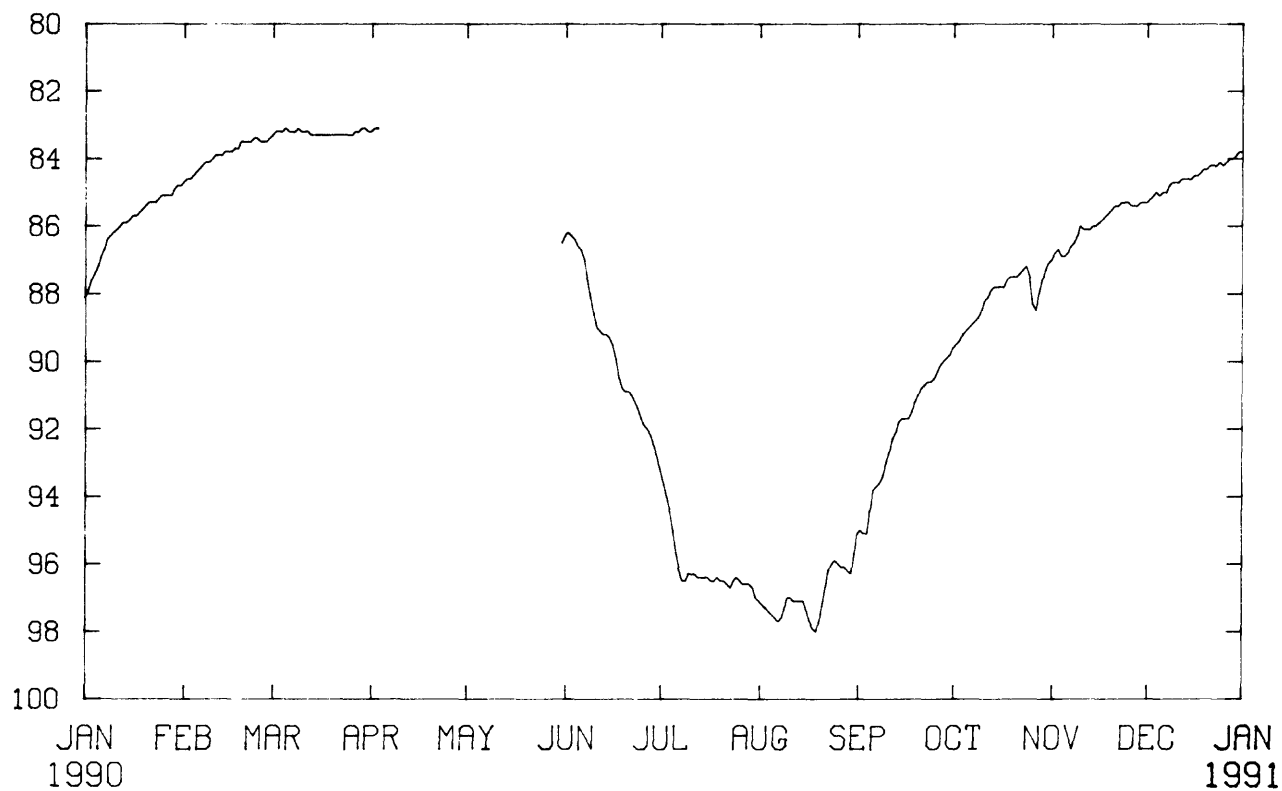


Figure 63.—Water levels in observation well HO-269.

Table 45.--Characteristics and daily mean water level for well HO-307

HORRY COUNTY

335115079033500. Local number, HO-307.

LOCATION.--Lat 33°50'58'', long 79°03'27'', Hydrologic Unit 03040206, 0.75 mi northeast from intersection of State Highways 701 and 501, at Collins Park in Conway.

Owner: City of Conway.

AQUIFER.--Pee Dee and Black Creek Formations.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 438 ft, casing depth and screened intervals unknown.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Also known as HO-1 and HO-53. Driller's and geophysical logs available in District files.

PERIOD OF RECORD.--May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 11.91 ft below land-surface datum, Oct. 12, 1974; lowest, 62.34 ft below land-surface datum, Oct. 7, 8, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	59.50	59.85	59.81	59.85	60.10	60.66	61.35	61.84	61.97	62.24	---	62.23
2	59.58	59.84	59.77	59.83	60.16	60.68	61.37	61.88	61.99	62.25	---	62.22
3	59.58	59.84	59.70	59.78	60.21	60.68	61.43	61.88	61.99	62.29	---	62.17
4	59.58	59.80	59.72	59.80	60.23	60.67	61.47	61.89	62.00	62.30	---	62.14
5	59.58	59.82	59.74	59.85	60.23	60.69	61.49	61.90	62.01	62.30	---	62.20
6	59.58	59.85	59.75	59.89	60.21	60.73	61.52	61.91	62.01	62.31	---	62.20
7	59.58	59.83	59.80	59.91	60.24	60.76	61.56	61.91	62.00	62.34	---	62.19
8	59.53	59.83	59.83	59.97	60.26	60.79	61.60	61.90	62.03	62.34	---	62.15
9	59.56	59.83	59.82	59.99	60.27	60.82	61.62	61.85	62.06	---	---	62.16
10	59.56	59.78	59.80	59.97	60.25	60.83	61.63	61.84	62.07	---	61.86	62.17
11	59.57	59.78	59.80	59.87	60.27	60.84	61.66	61.83	62.06	---	---	62.17
12	59.57	59.82	59.80	59.92	60.31	60.88	---	61.83	62.03	---	61.97	62.18
13	59.64	59.86	59.80	59.96	60.31	60.92	---	61.82	62.04	---	62.08	62.18
14	59.68	59.86	59.80	59.96	60.32	60.93	---	61.83	62.04	62.03	62.15	62.20
15	59.68	59.86	59.82	59.92	60.35	60.93	---	61.83	62.03	---	62.18	62.22
16	59.68	59.86	59.82	59.92	60.36	60.97	---	61.83	62.02	---	62.18	62.21
17	59.68	59.86	59.82	59.92	60.37	61.01	61.84	61.83	62.06	---	62.15	62.20
18	---	59.91	59.82	59.97	60.43	61.02	61.85	61.83	62.10	---	62.17	62.17
19	---	59.82	59.85	60.01	60.46	61.02	61.87	61.83	62.12	---	62.18	62.17
20	59.83	59.84	59.86	60.02	60.47	61.05	61.88	61.83	62.13	---	---	62.23
21	59.80	59.89	59.91	60.01	60.47	61.10	61.88	61.84	62.13	---	62.22	62.22
22	59.81	59.81	59.94	59.99	60.47	61.14	61.83	61.84	62.12	---	62.23	62.21
23	59.85	59.73	59.94	60.00	60.54	61.13	61.82	61.84	62.11	---	62.21	62.18
24	59.86	59.74	59.95	60.01	60.58	61.16	61.82	61.84	62.16	61.93	62.21	62.16
25	59.86	59.85	59.96	60.02	60.62	61.21	61.79	61.86	62.17	61.91	62.22	---
26	59.87	59.91	59.96	60.03	60.63	61.23	61.78	61.88	62.17	---	---	---
27	59.93	59.89	59.97	60.03	60.63	61.26	61.78	61.88	62.19	---	---	---
28	59.92	59.83	59.98	60.04	60.61	61.30	61.78	61.88	62.23	---	---	62.23
29	59.84	---	59.96	60.05	60.52	61.33	61.78	61.88	62.24	---	---	62.23
30	59.83	---	59.94	60.05	60.57	61.35	61.78	61.90	62.24	---	62.22	---
31	59.85	---	59.88	---	60.63	---	61.79	61.94	---	---	---	---
MEAN	---	59.84	59.85	59.95	60.39	60.97	---	61.86	62.08	---	---	---
MAX	---	59.91	59.98	60.05	60.63	61.35	---	61.94	62.24	---	---	---
MIN	---	59.73	59.70	59.78	60.10	60.66	---	61.82	61.97	---	---	---

WATER LEVEL, IN FEET BELOW LAND SURFACE

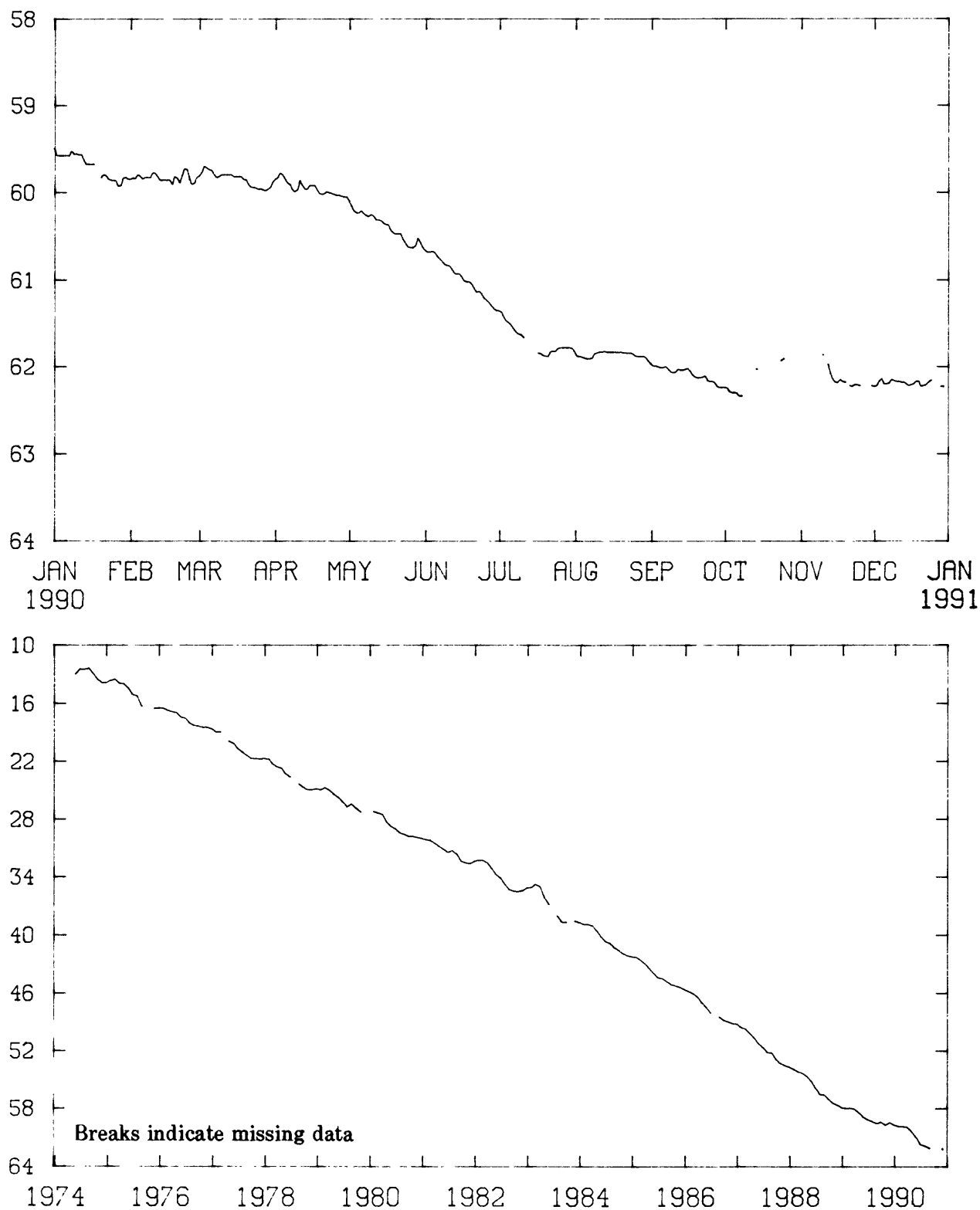


Figure 64.--Water levels in observation well HO-307.

Table 46.--Characteristics and daily mean water level for well LE-23

LEE COUNTY

341405080110100. Local number, LE-23.

LOCATION.--Lat 34°14'05'', long 80°11'01'', Hydrologic Unit 03040202, 395 ft east and 450 ft north of the cemetery near Wayside Church and SC-31-22 near Bishopville.

Owner: Robert W. Merck.

AQUIFER.--Black Creek and Middendorf Formations.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 350 ft, cased to 350 ft. Screened intervals unknown.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

REMARKS.--June 3, 1977, Gamma logged to 350 ft. April 1980, Gamma logged to 338 ft. Pump test data available in District files. Water-level affected by nearby irrigation well.

PERIOD OF RECORD.--June 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 9.32 ft below land-surface datum, Apr. 26, 1983; lowest, 17.37 ft below land-surface datum, June 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.33	11.38	11.76	12.16	12.87	13.91	---	15.80	---	16.27	14.40	13.22
2	11.28	11.41	11.73	12.17	12.94	13.95	---	15.85	---	16.25	14.32	13.22
3	11.24	---	11.70	12.18	13.01	13.99	14.80	15.93	16.16	16.25	14.26	13.22
4	---	---	11.66	12.18	13.09	14.01	14.79	15.96	16.14	16.25	14.20	13.22
5	---	---	11.59	12.17	13.15	14.04	14.78	15.98	16.12	16.27	14.14	13.22
6	11.26	---	11.54	12.16	13.19	14.08	14.83	15.98	---	16.28	14.08	13.23
7	11.28	---	11.52	12.14	13.21	14.12	14.91	15.97	---	16.30	14.03	13.25
8	---	11.44	---	12.12	13.23	14.16	14.95	15.97	---	16.30	13.99	13.26
9	---	11.47	---	12.10	13.27	14.20	---	15.98	16.13	16.31	13.95	13.28
10	---	11.53	---	12.07	13.31	14.24	---	16.00	16.14	16.31	13.90	13.29
11	11.28	11.58	11.54	---	13.33	14.26	14.99	16.02	16.14	16.31	13.86	13.31
12	11.24	11.64	11.55	---	13.37	14.28	15.02	16.04	16.15	16.26	13.81	---
13	11.18	11.71	11.57	---	13.42	14.32	15.06	16.05	16.17	16.16	13.77	---
14	11.11	11.78	11.60	12.08	13.45	14.36	15.11	16.07	16.18	16.02	13.74	13.36
15	11.07	11.86	11.65	12.09	13.47	14.40	15.14	16.08	16.18	15.88	13.71	13.39
16	---	11.93	11.71	12.07	13.49	14.44	15.17	16.10	---	15.76	13.68	13.43
17	---	11.99	11.77	12.05	13.53	14.47	15.20	16.10	---	15.68	13.65	13.46
18	---	12.03	---	12.05	13.57	14.49	15.24	---	---	15.61	13.62	13.48
19	11.22	12.04	---	12.08	13.62	14.52	15.28	---	---	15.56	13.59	13.49
20	11.25	12.05	---	12.12	13.66	14.54	15.32	16.09	16.19	15.52	13.56	13.52
21	11.29	12.08	---	12.17	13.69	14.57	15.37	---	16.20	15.47	13.53	13.54
22	---	12.12	11.80	12.21	13.73	14.61	15.41	---	16.23	15.40	13.48	13.55
23	---	12.14	11.81	12.25	13.76	14.64	15.44	---	16.25	15.34	13.42	---
24	11.32	12.13	11.84	12.30	13.80	14.66	15.48	16.09	16.26	15.26	13.36	---
25	11.39	12.05	11.88	12.38	13.83	14.68	15.52	16.10	16.29	15.18	13.30	---
26	---	11.96	11.90	12.47	13.86	14.71	15.56	---	16.30	15.09	13.25	---
27	---	11.87	11.93	12.57	13.88	14.74	15.60	---	16.32	14.98	13.22	---
28	---	11.81	11.97	12.67	13.88	14.76	15.65	---	16.33	14.85	13.21	---
29	11.39	---	12.03	12.75	13.87	14.79	15.68	16.12	16.33	14.71	13.21	---
30	11.37	---	12.09	12.82	13.86	14.81	15.71	16.14	16.31	14.59	13.21	---
31	11.38	---	12.14	---	13.87	---	15.75	16.16	---	14.48	---	---
MEAN	---	---	---	---	13.49	14.39	---	---	---	15.71	13.71	---
MAX	---	---	---	---	13.88	14.81	---	---	---	16.31	14.40	---
MIN	---	---	---	---	12.87	13.91	---	---	---	14.48	13.21	---

WATER LEVEL, IN FEET BELOW LAND SURFACE

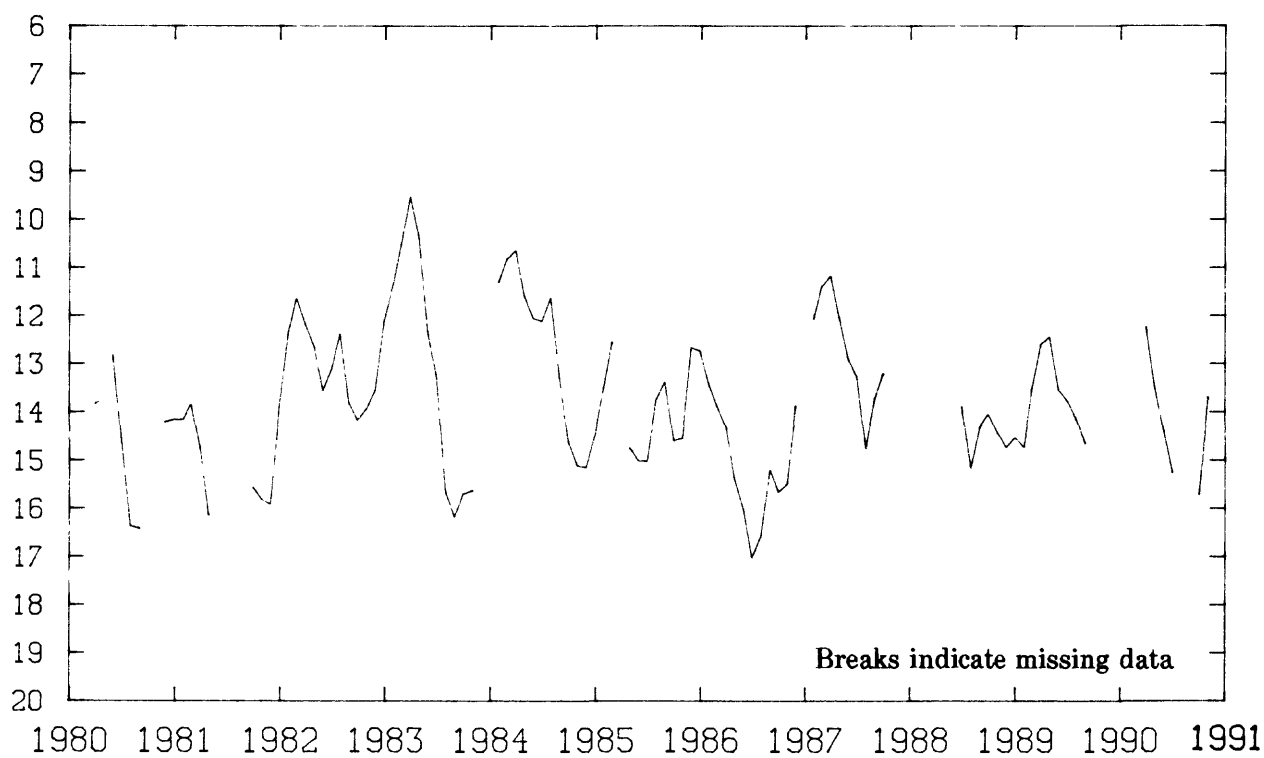
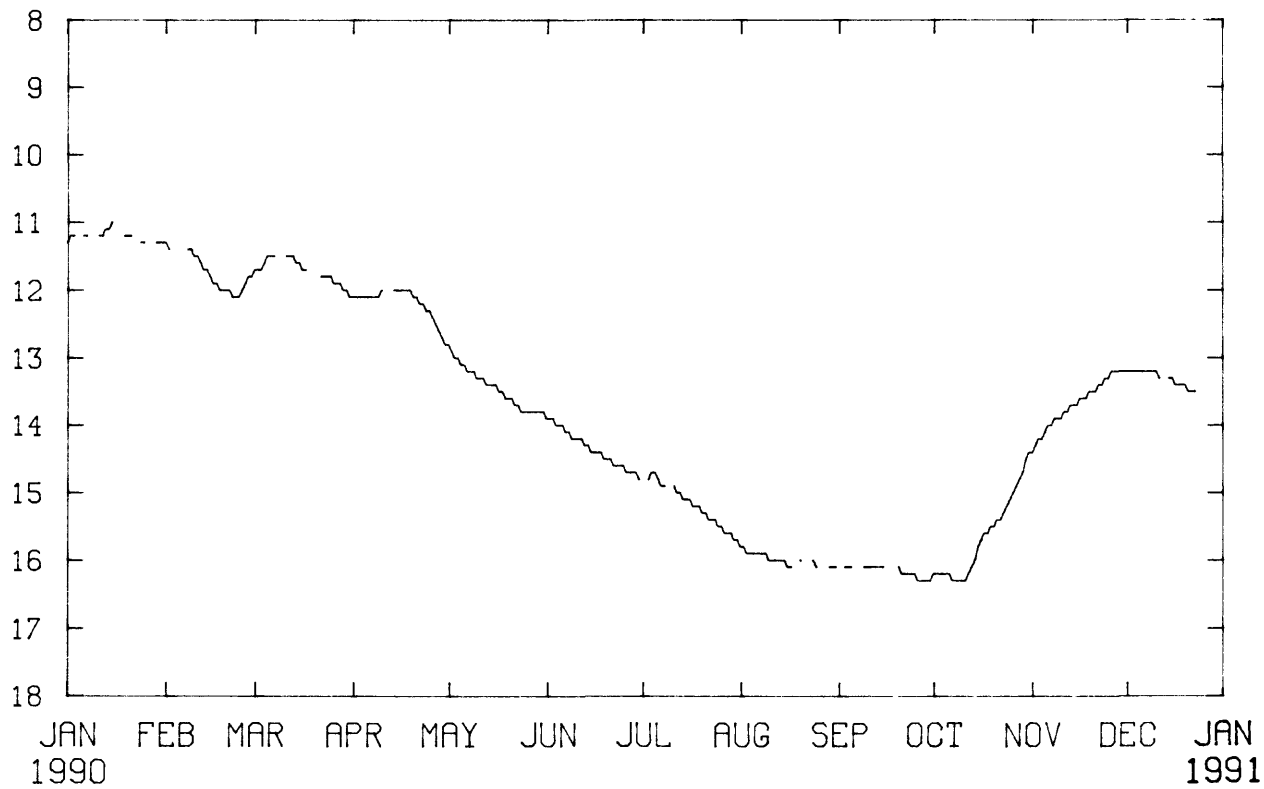


Figure 65.--Water levels in observation well LE-23.

Table 47.--Characteristics and daily mean water level for well MN-77

MARION COUNTY

335143079195000. Local number, MN-77.

LOCATION.--Lat 33°51'43'', long 79°19'50'', Hydrologic Unit 03040201, approximately 500 ft south of Britton Neck fire tower, near the intersection of county road 908 and U.S. 378, and 16.2 mi west of Conway.

Owner: U.S. Geological Survey; on property owned by South Carolina Forestry Commission.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., from surface to 322 ft, 3 in., from 322 to 356 ft, depth 356 ft, screened intervals 325-335, 345-355 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.15 ft above land-surface datum.

REMARKS.-- Water-quality data available in District files.

PERIOD OF RECORD.--July 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 10.88 ft below land-surface datum, Mar. 28, 1983; lowest, 28.24 ft below land-surface datum, Oct. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.99	25.28	24.75	25.59	26.29	26.61	27.20	---	27.74	28.12	26.36	27.71
2	25.10	25.23	24.71	25.59	26.36	26.59	27.23	---	27.74	28.14	26.21	27.71
3	25.13	25.21	24.68	25.58	26.42	26.54	27.29	---	27.74	28.18	26.11	27.67
4	25.16	25.16	24.79	25.60	26.42	26.47	27.32	---	27.77	28.17	26.07	27.67
5	25.19	25.21	24.88	25.62	26.38	26.45	27.32	---	27.77	28.19	26.08	27.72
6	25.19	25.24	24.95	25.61	26.38	26.40	27.34	---	27.77	28.21	26.20	27.73
7	25.20	25.22	25.05	25.62	26.41	26.32	27.38	---	27.78	28.22	26.34	27.72
8	25.14	25.26	25.10	25.64	26.42	26.28	27.42	---	27.81	28.23	26.50	27.67
9	25.18	25.26	25.09	25.65	26.40	26.26	27.44	---	27.82	28.24	26.59	27.69
10	25.18	25.23	25.10	25.61	26.29	26.26	27.46	---	27.83	28.18	26.53	27.66
11	25.16	25.27	25.14	25.57	26.32	26.32	27.48	---	27.85	27.92	26.74	27.67
12	25.14	25.33	25.17	25.66	26.34	26.44	---	---	27.87	27.85	26.84	27.69
13	25.20	25.38	25.19	25.73	26.31	26.57	---	---	27.89	27.83	26.95	27.71
14	25.20	25.37	25.22	25.76	26.31	26.62	---	---	27.88	27.82	27.04	27.75
15	25.16	25.36	25.28	25.77	26.33	26.66	---	---	27.86	27.79	27.09	27.77
16	25.13	25.31	25.31	25.81	26.33	26.73	---	---	27.88	27.76	27.10	27.78
17	25.11	25.28	25.32	25.88	26.31	26.80	---	---	27.95	27.69	27.11	27.81
18	25.09	25.26	25.38	26.00	26.33	26.82	---	---	27.98	27.56	27.17	27.80
19	25.11	25.10	25.43	26.06	26.36	26.84	---	---	27.97	27.44	27.22	27.86
20	25.12	25.09	25.47	26.07	26.36	26.89	---	---	27.97	27.23	27.27	27.90
21	25.11	25.09	25.53	26.04	26.39	26.94	---	---	27.98	26.98	27.33	27.88
22	25.16	25.00	25.55	26.04	26.43	26.97	---	---	27.97	26.78	27.36	27.88
23	25.22	24.91	25.55	26.07	26.53	26.98	---	---	27.96	26.55	27.38	27.85
24	25.23	24.89	25.56	26.09	26.59	27.02	---	---	28.01	26.53	27.44	27.84
25	25.23	24.93	25.58	26.12	26.64	27.07	---	---	28.02	26.52	27.51	27.88
26	25.26	24.92	25.59	26.15	26.66	27.10	---	---	28.02	26.59	27.57	27.88
27	25.32	24.83	25.61	26.19	26.67	27.12	---	---	28.06	26.67	27.62	27.88
28	25.31	24.76	25.64	26.22	26.63	27.16	---	---	28.10	26.67	27.62	27.86
29	25.25	---	25.62	26.22	26.50	27.19	---	---	28.11	26.69	27.63	27.85
30	25.27	---	25.64	26.25	26.57	27.20	---	---	28.10	26.64	27.69	27.81
31	25.28	---	25.60	---	26.61	---	---	27.71	---	26.51	---	27.82
MEAN	25.18	25.16	25.27	25.86	26.43	26.72	---	---	27.91	27.48	26.96	27.78
MAX	25.32	25.38	25.64	26.25	26.67	27.20	---	---	28.11	28.24	27.69	27.90
MIN	24.99	24.76	24.68	25.57	26.29	26.26	---	---	27.74	26.51	26.07	27.66

WATER LEVEL, IN FEET BELOW LAND SURFACE

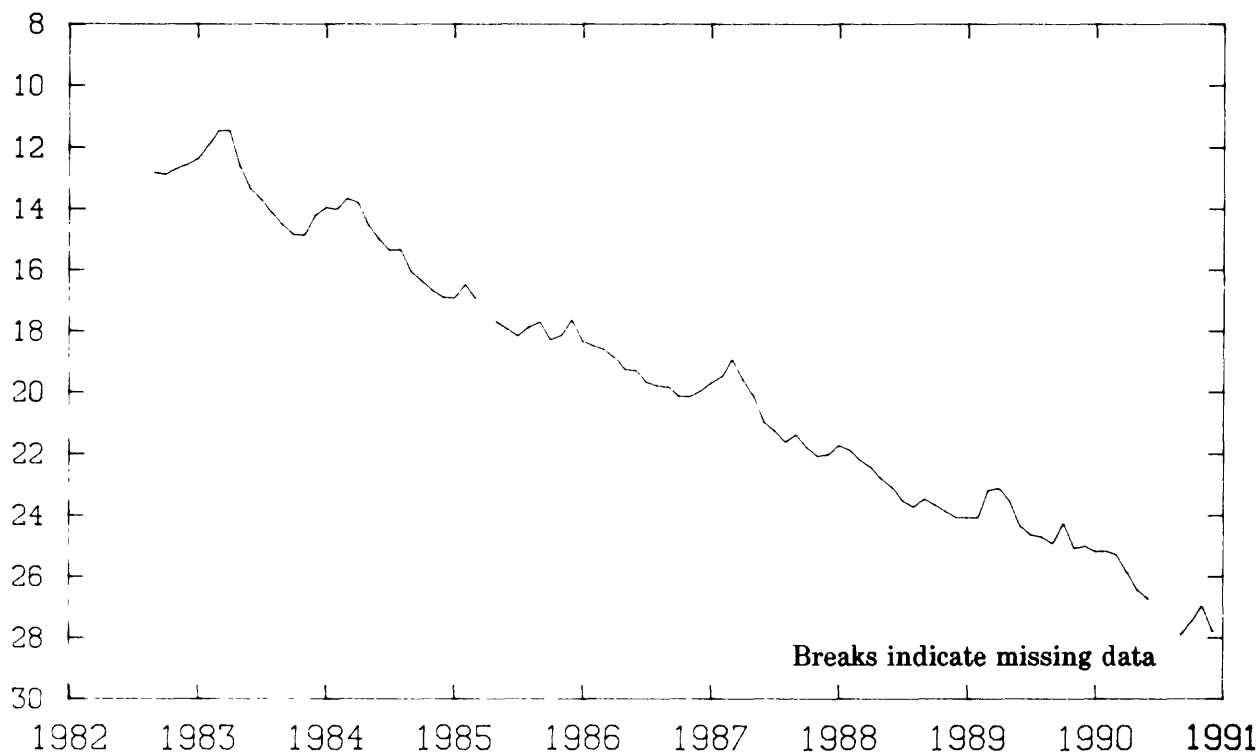
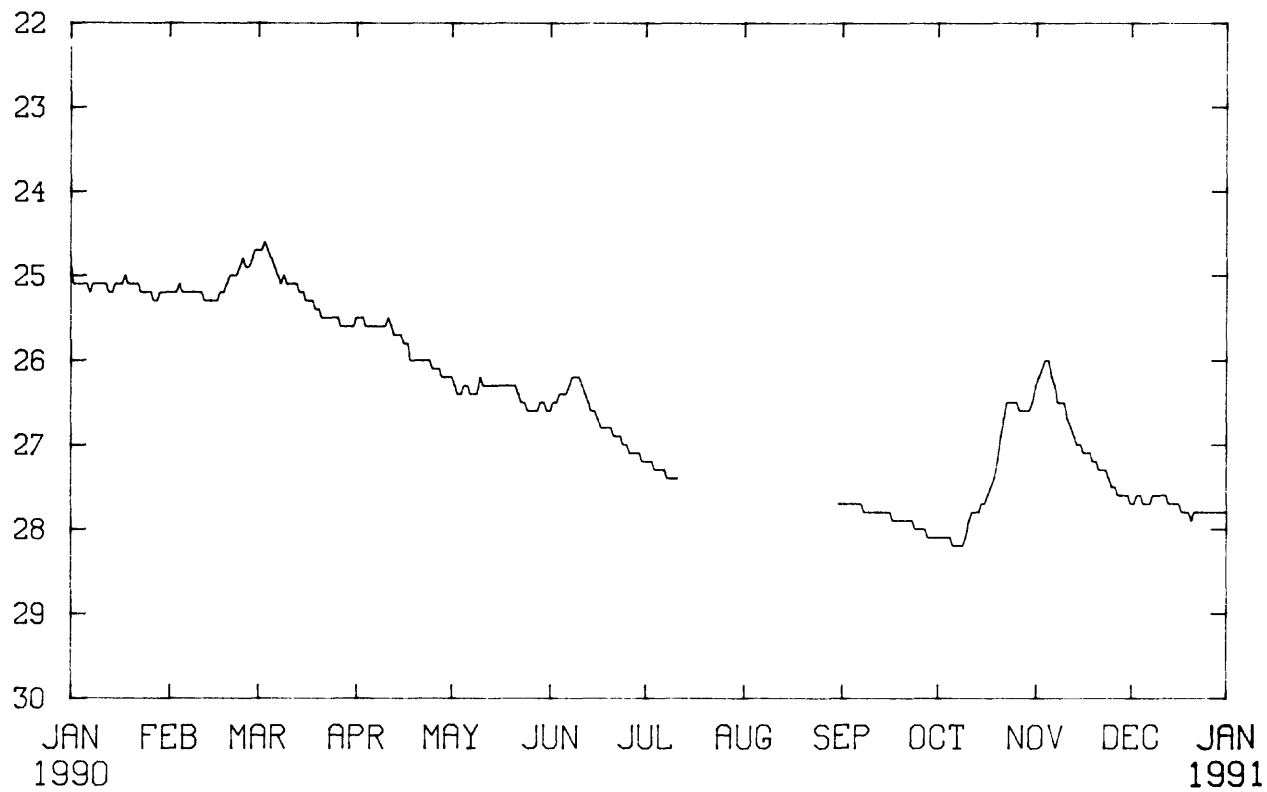


Figure 66.--Water levels in observation well MN-77.

Table 48.--Characteristics and daily mean water level for well MLB-110

MARLBORO COUNTY

342935079431000. Local number, MLB-110.

LOCATION.--Lat 34°29'35'', long 79°43'10'', Hydrologic Unit 03040201, 154 ft north of S-35-264 and 150 ft east of S-35-57, south of railroad tracks at Oak River Mills in Bennettsville.

Owner: Oak River Mills.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in., depth 115 ft, screened interval 75-115 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--1957 water-quality data on file in District office.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 22.67 ft below land-surface datum, Apr. 18, 1983; lowest, 33.77 ft below land-surface datum, Nov. 9, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28.62	28.03	26.27	26.60	28.55	27.06	30.20	---	31.93	32.46	28.15	29.70
2	29.22	27.94	26.32	26.42	28.51	26.95	29.92	---	32.04	32.40	28.39	29.82
3	29.11	28.00	26.21	26.25	28.51	26.99	29.76	---	32.11	32.43	28.55	30.02
4	28.93	27.81	26.38	26.21	28.27	27.26	29.83	---	32.15	32.44	28.67	30.00
5	28.94	28.14	26.20	26.42	27.87	27.61	30.30	---	32.05	32.46	28.76	29.63
6	28.85	28.19	26.11	26.67	27.87	27.76	30.38	---	32.02	32.31	29.02	29.24
7	28.72	28.02	26.37	26.91	27.87	27.79	30.09	31.70	32.12	32.47	29.14	29.26
8	28.43	28.15	26.50	27.21	27.94	28.06	30.09	31.75	32.13	32.63	29.39	29.41
9	28.27	28.10	26.46	27.34	27.96	28.41	30.26	31.79	32.27	32.65	29.33	29.56
10	27.96	27.99	26.57	27.27	27.93	28.50	30.41	31.73	32.45	32.46	29.21	29.81
11	27.79	27.80	26.68	27.30	28.06	28.95	---	31.71	32.33	32.13	29.27	29.99
12	27.85	27.37	26.73	27.60	27.81	28.89	---	31.90	32.42	31.45	28.97	29.86
13	28.31	27.06	26.80	27.68	27.66	28.89	---	32.02	32.41	30.86	29.00	29.94
14	28.33	26.79	26.91	27.58	27.67	28.90	---	31.97	32.37	30.33	29.16	30.07
15	28.28	26.81	26.99	27.44	28.01	29.06	---	31.90	32.32	29.81	29.19	29.96
16	28.33	26.97	27.02	27.63	28.13	29.17	---	31.74	32.49	29.47	29.15	30.11
17	28.34	27.21	26.89	27.76	28.24	29.24	---	31.76	32.49	29.28	29.25	30.25
18	28.33	26.73	26.96	27.85	28.35	29.37	---	31.94	32.39	29.38	29.28	30.09
19	28.45	26.01	27.02	27.75	28.37	29.32	---	32.01	32.37	29.51	29.31	30.12
20	28.45	25.87	26.95	27.68	28.43	29.42	---	32.11	32.23	29.63	29.46	30.09
21	28.32	25.70	26.87	27.55	28.79	29.55	---	32.10	32.13	29.76	29.62	29.94
22	28.44	25.24	26.93	27.60	29.05	29.59	---	32.06	31.89	29.89	29.39	29.58
23	28.26	25.14	26.98	27.83	29.15	29.53	---	31.93	32.04	29.78	29.20	29.15
24	28.16	---	27.06	27.99	29.06	29.64	---	31.86	32.15	29.16	29.28	29.20
25	28.09	---	27.21	28.04	28.97	29.85	---	32.06	32.23	28.49	29.30	29.32
26	28.27	25.82	27.24	28.06	28.87	29.88	---	32.10	32.34	28.05	29.50	29.29
27	28.16	25.84	27.30	28.13	28.98	29.99	---	32.18	32.25	27.71	29.74	29.29
28	27.75	25.96	27.40	28.21	29.01	30.11	---	32.19	32.15	27.43	29.76	29.23
29	27.44	---	27.34	28.52	28.89	30.19	---	32.10	32.17	27.54	29.74	29.00
30	27.72	---	27.09	28.61	28.14	30.23	---	32.00	32.30	27.66	29.72	28.97
31	27.93	---	26.78	---	27.46	---	---	31.98	---	27.92	---	29.00
MEAN	28.32	---	26.79	27.47	28.33	28.87	---	---	32.22	30.32	29.20	29.64
MAX	29.22	---	27.40	28.61	29.15	30.23	---	---	32.49	32.65	29.76	30.25
MIN	27.44	---	26.11	26.21	27.46	26.95	---	---	31.89	27.43	28.15	28.97

WATER LEVEL, IN FEET BELOW LAND SURFACE

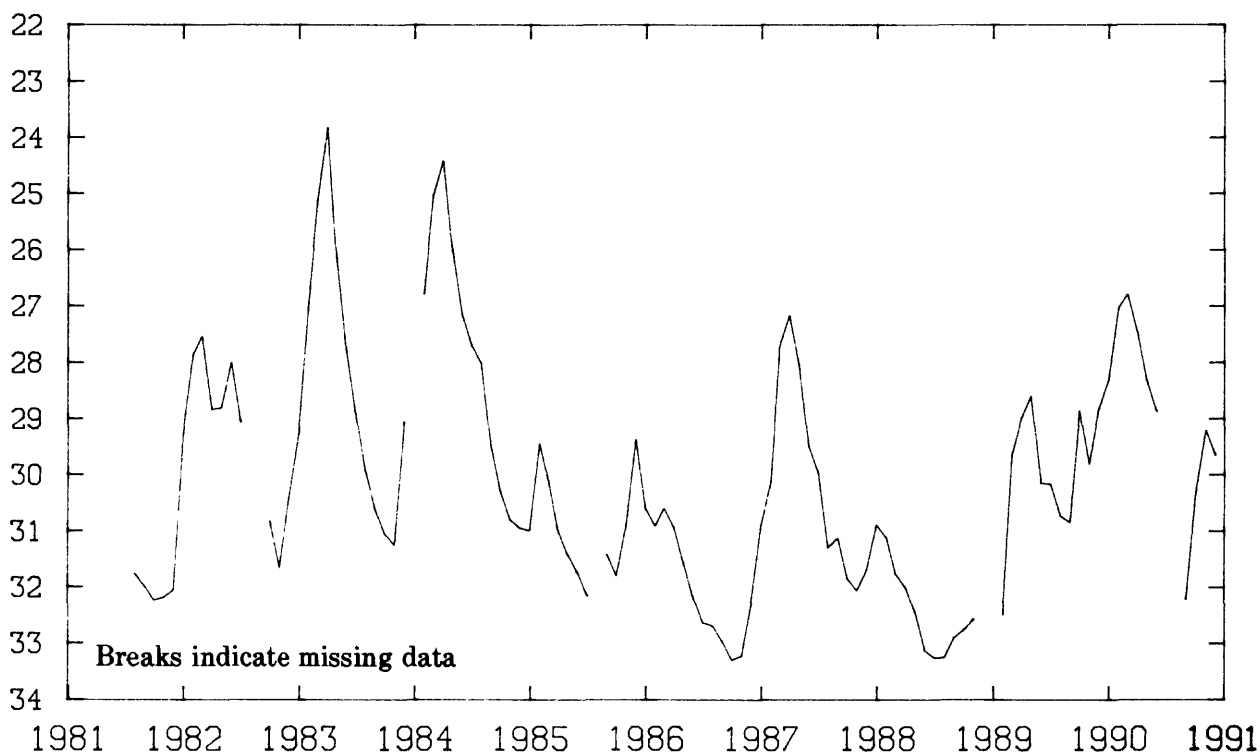
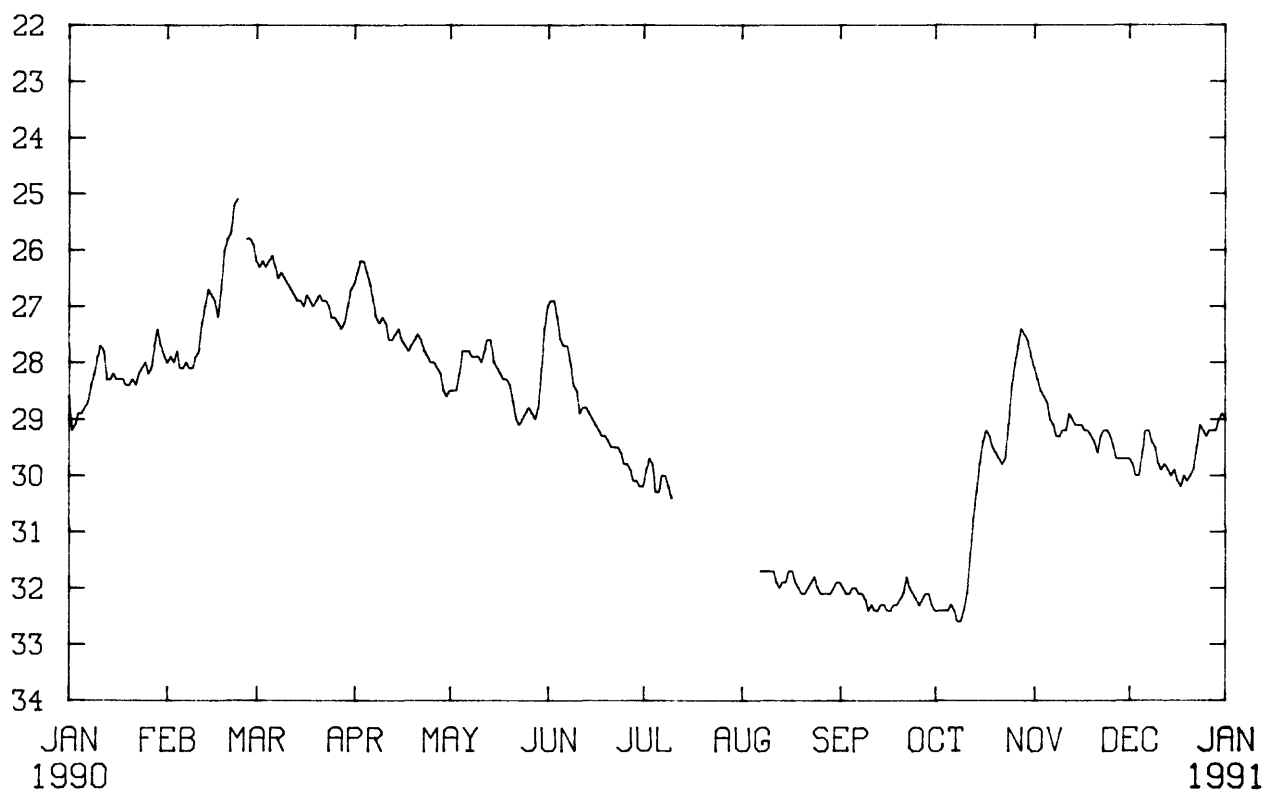


Figure 67.--Water levels in observation well MLB-110.

Table 49.--Characteristics and daily mean water level for well MLB-112/134

MARLBORO COUNTY

343715079411500. Local number, MLB-112/134.

LOCATION.--Lat 34°37'15'', long 79°41'15'', Hydrologic Unit 03040201, Marlboro County Recreation Department Building, in Bennettsville.

Owner: Town of Bennettsville.

AQUIFER.--Middendorf and Cape Fear Formations.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 345 ft, perforated 220-320 ft, screened interval 320-335 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 135 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.20 ft above land-surface datum.

REMARKS.--1971 Gamma and Caliper logged to 297 ft. Also known as MLB-134.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 0.85 ft below land-surface datum, Feb. 2, 1973; lowest, 5.40 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.17	3.29	3.23	3.23	3.83	4.13	5.02	5.27	5.06	5.29	3.26	3.69
2	3.20	3.25	3.23	3.23	3.87	4.15	4.87	5.28	5.10	5.34	3.34	3.69
3	3.20	3.25	3.07	3.25	3.90	4.15	4.90	5.26	5.17	5.33	3.39	3.67
4	3.20	3.23	3.10	3.30	3.90	4.18	4.93	5.28	5.23	5.32	3.41	3.65
5	3.22	3.24	3.13	3.37	3.88	4.24	5.01	5.32	5.25	5.33	3.43	3.69
6	3.13	3.26	3.16	3.41	3.92	4.27	5.07	5.29	5.28	5.38	3.50	3.69
7	3.03	3.27	3.22	3.35	3.96	4.29	5.12	5.01	5.30	5.36	3.55	3.70
8	2.71	3.31	3.25	3.40	3.98	4.32	5.14	4.99	5.30	5.36	3.59	3.62
9	2.70	3.28	3.25	3.44	3.98	4.32	5.14	4.96	5.29	5.36	3.57	3.62
10	2.78	3.18	3.27	3.44	3.92	4.35	5.15	4.95	5.21	5.25	3.29	3.61
11	2.83	3.21	3.30	3.46	3.98	4.39	5.19	4.95	5.18	3.78	3.40	3.65
12	2.90	3.26	3.34	3.52	4.00	4.43	5.15	4.98	5.07	3.67	3.43	3.66
13	3.00	3.30	3.36	3.55	4.01	4.45	4.90	5.02	5.06	3.75	3.49	3.67
14	3.04	3.33	3.38	3.55	4.04	4.47	4.84	5.08	5.03	3.81	3.55	3.72
15	3.07	3.35	3.40	3.55	4.07	4.50	4.82	5.06	5.01	3.87	3.57	3.70
16	3.11	3.30	3.41	3.58	4.09	4.55	4.82	5.03	5.03	3.94	3.57	3.71
17	3.13	3.16	3.31	3.61	4.10	4.59	4.80	4.91	5.07	3.96	3.60	3.74
18	3.15	3.20	3.11	3.68	4.13	4.62	4.71	4.91	5.10	3.94	3.65	3.72
19	3.18	2.98	3.16	3.69	4.15	4.66	4.70	4.94	5.15	3.98	3.67	3.77
20	3.18	2.94	3.20	3.69	4.16	4.71	4.72	4.97	5.17	4.01	3.70	3.68
21	3.18	3.01	3.25	3.69	4.17	4.74	4.79	4.93	5.14	4.03	3.73	3.25
22	3.22	3.00	3.28	3.71	4.18	4.76	4.84	4.83	5.10	3.99	3.72	3.25
23	3.25	2.99	3.31	3.74	4.21	4.78	4.88	4.81	5.11	3.22	3.71	3.28
24	3.27	3.06	3.36	3.77	4.23	4.83	4.92	4.81	5.18	3.22	3.76	3.36
25	3.27	3.16	3.39	3.80	4.25	4.87	4.99	4.82	5.23	3.14	3.79	3.44
26	3.16	3.19	3.41	3.82	4.26	4.90	5.04	4.82	5.22	2.44	3.83	3.49
27	3.19	3.19	3.43	3.84	4.21	4.95	5.09	4.87	5.27	2.73	3.86	3.49
28	3.20	3.20	3.45	3.86	4.12	4.98	5.12	4.95	5.30	2.88	3.78	3.42
29	3.19	---	3.35	3.76	3.97	5.00	5.15	5.00	5.28	3.03	3.63	3.43
30	3.23	---	3.25	3.79	4.05	5.03	5.19	5.00	5.27	3.13	3.69	3.43
31	3.27	---	3.23	---	4.09	---	5.23	5.03	---	3.19	---	3.48
MEAN	3.11	3.19	3.28	3.57	4.05	4.55	4.98	5.01	5.17	4.10	3.58	3.58
MAX	3.27	3.35	3.45	3.86	4.26	5.03	5.23	5.32	5.30	5.38	3.86	3.77
MIN	2.70	2.94	3.07	3.23	3.83	4.13	4.70	4.81	5.01	2.44	3.26	3.25

CAL YR 1990 MEAN 4.02 HIGH 2.44 LOW 5.38

WATER LEVEL, IN FEET BELOW LAND SURFACE

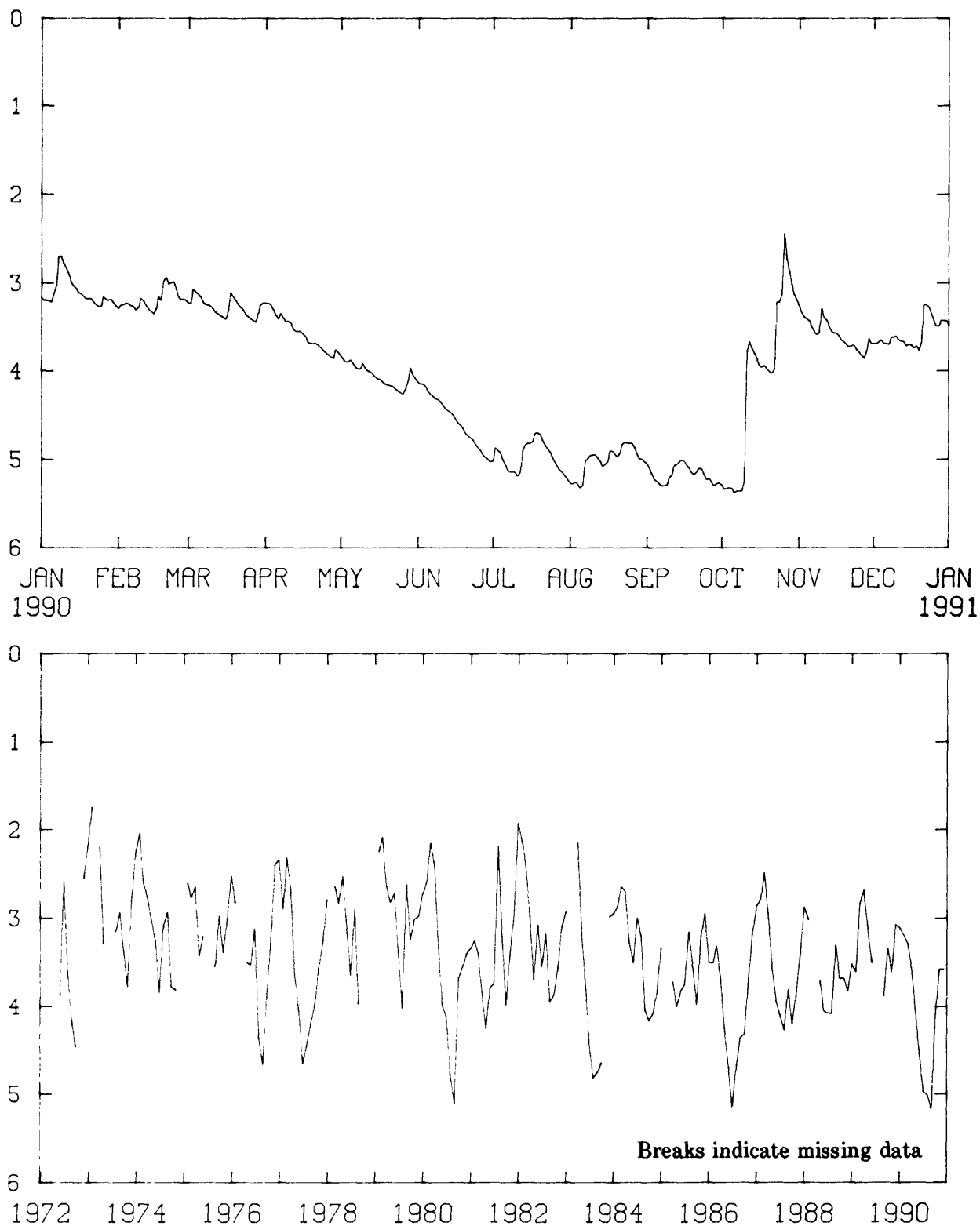


Figure 68.--Water levels in observation well MLB-112/134.

Table 50.--Characteristics and daily mean water level for well ORG-95

ORANGEBURG COUNTY

332649081072500. Local number, ORG-95.

LOCATION.--Lat 33°26'49'', long 81°07'25'', Hydrologic Unit 03050204, 40 ft east on First Street (S-38-628) and 70 ft north of Saxton Street (S-38-213) in Norway.

Owner: Town of Norway.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 250 ft, screened intervals 173-193, 200-220, 228-238 ft, gravel finish.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft above land-surface datum.

REMARKS.--Test hole Electric and Gamma logged Feb. 20, 1973 to a depth of 300 ft. Gamma logged Apr. 6, 1979 to a depth of 220 ft. Electric logged Apr. 6, 1979, depth 220 ft. Caliper logged Apr. 6, 1979, depth 220 ft. Gamma logged in 1981 to a depth of 204 ft. Water-level affected by nearby pumpage.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 30.18 ft below land-surface datum, May 9, 1984; lowest, 43.84 ft below land-surface datum, Sept. 19, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.15	31.52	31.61	31.66	34.58	34.42	38.68	37.97	36.19	36.68	33.00	32.57
2	32.20	31.44	31.52	31.74	35.16	34.72	39.18	38.06	36.28	36.47	33.11	32.43
3	32.08	31.95	31.57	31.80	35.15	34.77	39.50	38.09	36.60	37.68	33.12	32.17
4	31.91	32.07	31.63	31.98	36.23	35.05	39.23	38.58	36.49	37.08	33.07	32.18
5	31.78	32.10	31.70	31.80	35.24	35.50	39.51	38.34	36.60	---	32.77	---
6	31.79	31.66	31.82	31.85	34.69	35.98	39.93	38.45	36.22	36.90	32.85	32.83
7	31.72	31.51	31.77	31.94	34.62	36.18	40.61	38.82	36.16	36.76	32.80	---
8	31.61	31.46	31.70	31.98	34.50	35.82	40.10	37.86	36.43	36.27	32.85	---
9	31.42	31.53	31.73	32.06	34.24	35.64	39.76	37.46	35.97	36.13	32.73	32.32
10	31.57	31.51	31.81	32.17	33.92	35.49	40.02	37.43	35.84	35.84	32.61	32.21
11	31.19	31.50	31.92	31.83	33.90	34.91	39.93	37.48	35.85	35.37	32.63	32.31
12	31.36	31.55	31.88	32.01	34.23	36.07	40.14	37.38	36.18	34.89	32.53	32.24
13	31.65	31.56	31.79	32.18	34.08	36.76	40.22	37.71	36.81	34.79	32.47	32.56
14	31.61	31.59	32.00	32.30	34.43	36.43	39.13	37.97	36.38	34.48	---	32.22
15	31.60	31.72	32.00	32.20	34.99	36.08	38.42	38.03	36.47	34.29	32.42	32.19
16	31.54	31.56	31.89	32.42	35.05	35.77	38.43	37.41	36.73	34.18	32.44	32.19
17	31.58	31.80	31.66	34.13	34.67	35.81	38.69	37.36	36.22	34.24	33.91	32.31
18	31.50	31.91	31.52	33.77	35.02	36.14	38.24	37.27	36.14	34.09	34.17	32.32
19	31.53	31.49	31.59	33.24	35.61	36.68	37.65	37.44	36.07	34.13	32.89	32.60
20	31.54	31.59	31.51	32.99	35.89	37.16	37.69	37.17	36.13	34.19	32.85	32.35
21	31.60	31.52	31.62	33.11	35.11	38.12	38.03	37.32	36.15	34.21	32.75	---
22	31.69	31.36	31.70	33.05	34.37	38.02	37.59	37.60	36.40	34.15	32.68	32.24
23	31.67	31.28	31.68	33.75	34.40	37.05	37.39	36.26	36.48	33.93	34.09	32.30
24	31.68	31.37	31.70	33.87	34.63	36.90	37.43	38.99	36.23	33.62	35.96	32.33
25	31.59	31.48	31.64	33.80	35.02	37.18	37.26	36.78	36.16	33.29	33.37	32.27
26	31.68	31.71	31.78	34.05	35.49	37.17	37.15	36.43	36.42	33.26	32.83	32.29
27	31.79	31.82	31.71	34.42	35.43	37.68	37.27	36.45	36.56	33.46	---	32.14
28	31.81	31.65	31.70	34.46	34.67	38.20	37.41	36.42	36.82	33.21	32.47	32.16
29	32.01	---	31.62	33.85	34.22	38.47	37.17	35.88	37.28	33.14	32.91	---
30	31.86	---	31.69	34.15	34.21	38.80	37.50	36.22	37.03	33.08	32.61	32.23
31	31.66	---	31.63	---	34.32	---	37.78	36.17	---	32.97	---	32.22
MEAN	31.69	31.61	31.71	32.82	34.78	36.43	38.61	37.45	36.38	---	---	---
MAX	32.20	32.10	32.00	34.46	36.23	38.80	40.61	38.99	37.28	---	---	---
MIN	31.19	31.28	31.51	31.66	33.90	34.42	37.15	35.88	35.84	---	---	---

WATER LEVEL, IN FEET BELOW LAND SURFACE

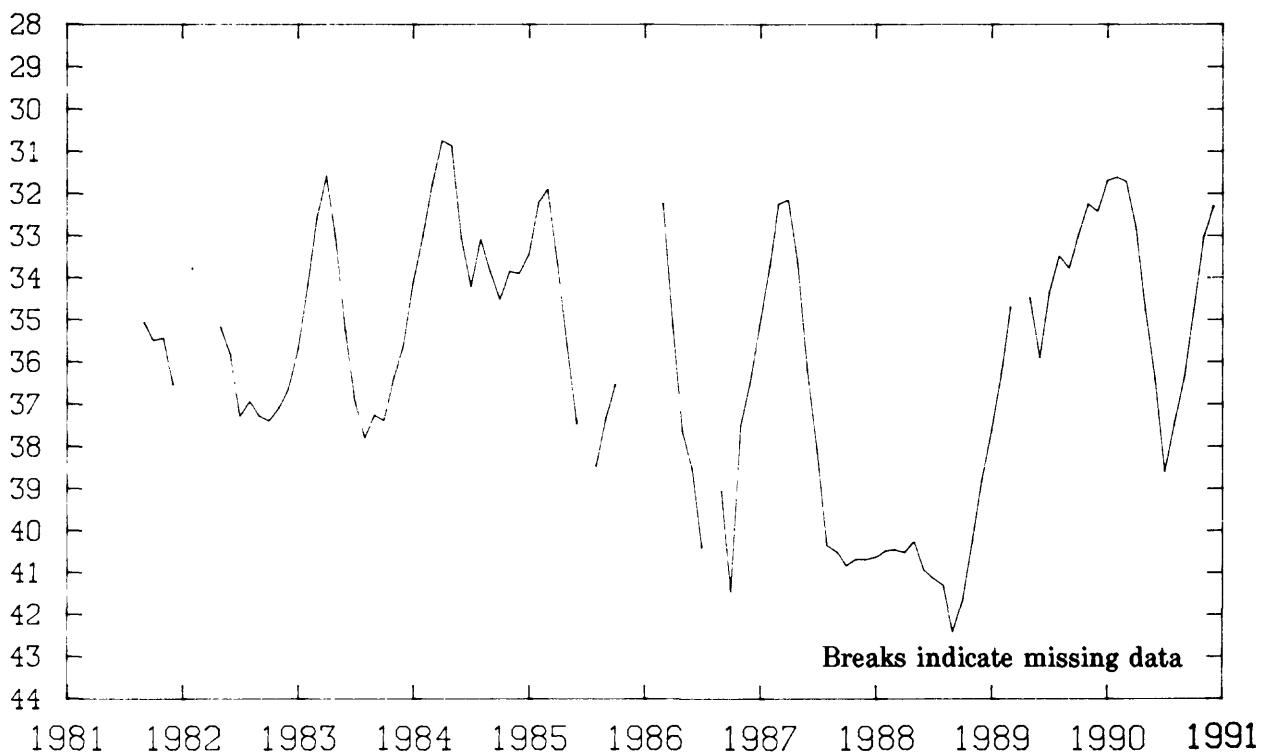
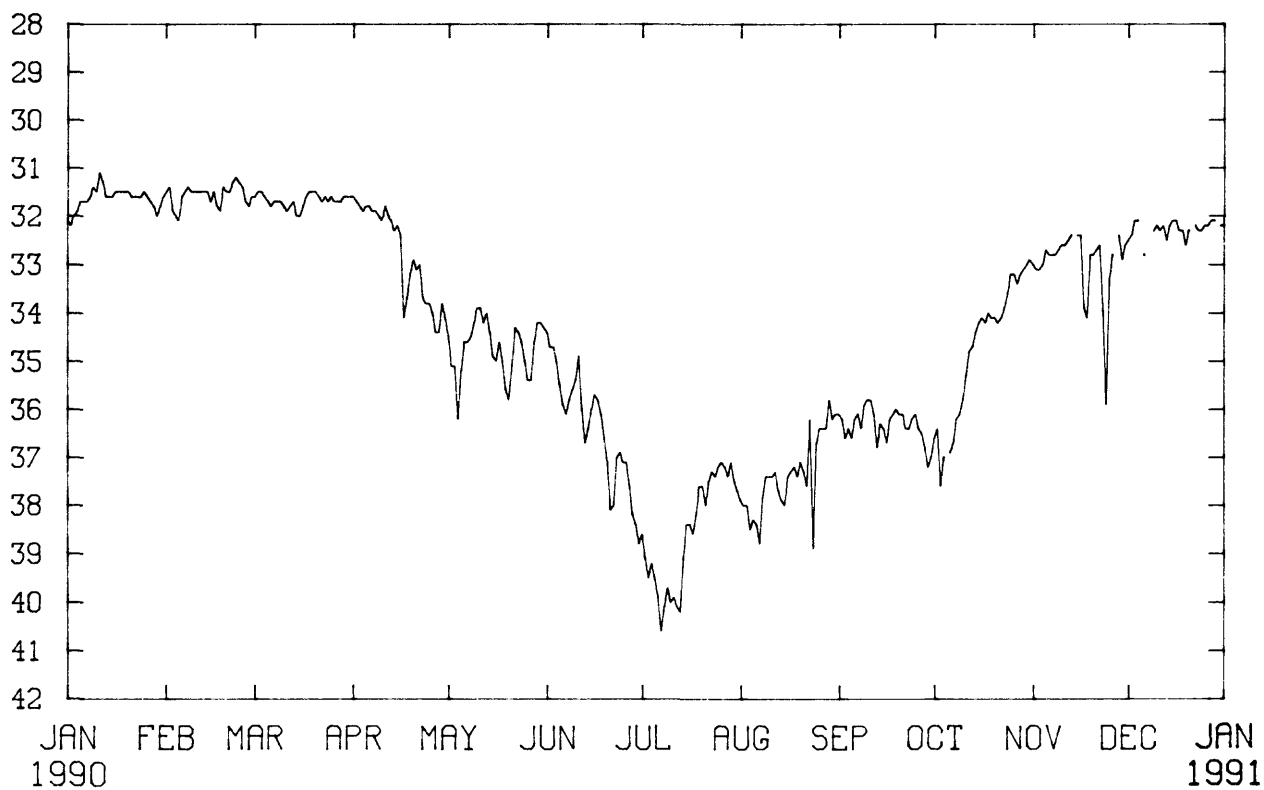


Figure 69.--Water levels in observation well ORG-95.

Table 51.--Characteristics and daily mean water level for well RIC-63

RICHLAND COUNTY

334944080380100. Local number, RIC-63.

LOCATION.--Lat 33°49'44'', long 80°37'59'', Hydrologic Unit 03050110, Hercules Plant, 3,600 ft east of State Highway 601, near Wateree.

Owner: Hercules, Inc.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 25 in., depth 597 ft, 20 in casing from LSD to 420 ft, 10 in. casing from 370 to 547 ft, screened intervals 417-420, 425-445, 456-476, 478-498, 500-520, 522-542 ft, open hole from 547 to 597.

INSTRUMENTATION.--Digital recorder--60 minute collection interval.

DATUM.--Land-surface datum is 150 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.25 ft above land-surface datum.

REMARKS.--Water-quality analysis on file in District office. Caliper logged July 23, 1980, depth 546 ft. Gamma logged July 23, 1980, depth 371 ft. Water-level affected by nearby irrigational pumpage.

PERIOD OF RECORD.--February 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 20.32 ft below land-surface datum, Apr. 15, 1983; lowest, 36.84 ft below land-surface datum, May 26, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990

MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	27.86	27.16	---	27.00	29.60	27.91	31.94	34.61	33.82	32.84	27.54	28.21
2	28.51	27.55	---	27.12	29.63	28.01	30.86	34.60	33.56	32.13	27.81	27.92
3	28.51	---	---	27.21	29.65	27.72	30.39	34.61	33.56	32.26	27.67	27.81
4	28.21	---	---	27.29	29.30	28.12	29.78	34.49	33.38	31.75	27.39	27.38
5	28.79	---	---	27.62	28.73	27.43	29.90	34.46	33.63	31.64	27.58	28.14
6	27.91	27.82	26.76	27.24	28.44	27.29	29.71	34.15	34.71	31.35	28.35	27.99
7	27.84	27.49	26.68	27.20	28.54	27.22	29.92	32.39	34.75	31.18	28.57	28.25
8	27.95	27.90	26.70	27.25	28.81	27.63	33.34	---	34.75	31.09	29.02	27.75
9	28.16	27.60	26.55	27.54	28.68	28.17	34.42	31.94	34.74	30.60	28.91	27.37
10	27.55	27.23	26.58	27.53	28.69	27.53	34.40	31.29	34.46	30.29	28.10	27.71
11	27.24	27.27	26.35	27.22	28.65	28.28	34.58	30.87	34.59	29.49	28.09	28.17
12	27.15	27.75	26.65	28.29	28.45	28.24	34.61	30.85	34.21	29.46	27.92	28.14
13	27.11	27.76	26.63	30.49	28.65	28.71	34.40	31.21	33.71	29.19	28.31	28.56
14	27.09	27.68	26.55	31.02	29.08	29.30	34.39	31.65	32.46	28.44	28.21	28.69
15	27.28	27.79	26.72	31.07	29.16	30.05	34.39	33.07	32.12	28.40	28.45	27.88
16	27.47	27.50	27.27	29.65	29.43	29.83	34.39	33.23	31.76	28.12	28.20	27.73
17	27.48	27.18	27.06	31.13	29.32	28.83	34.39	32.26	31.90	27.59	28.38	28.91
18	27.46	27.27	27.00	29.92	29.27	29.06	34.39	31.54	32.19	27.14	28.26	30.14
19	27.46	27.04	27.24	29.65	28.80	29.40	34.39	31.32	31.50	27.34	28.09	29.58
20	27.08	27.38	27.93	29.03	28.10	29.97	34.39	31.70	31.53	27.28	27.93	28.89
21	26.99	27.21	28.26	28.89	28.14	29.74	34.39	31.44	32.05	27.30	27.72	28.78
22	27.23	27.02	27.89	29.61	28.42	29.42	34.39	31.35	31.52	27.70	27.48	27.96
23	27.22	26.79	27.15	30.54	28.29	28.95	33.25	31.52	31.35	27.29	27.36	28.05
24	27.38	26.50	27.08	31.35	28.51	28.70	32.84	31.67	32.63	27.49	27.16	28.03
25	27.32	26.52	26.94	31.90	28.60	29.00	34.44	31.44	34.52	27.27	27.12	28.00
26	27.17	26.81	27.28	31.07	28.30	29.20	34.37	31.47	34.75	27.43	27.39	28.31
27	27.11	---	27.27	31.02	28.13	29.58	34.37	32.17	34.75	27.01	27.42	28.94
28	27.02	---	27.10	30.60	27.76	29.28	34.51	33.68	34.68	26.69	28.15	28.74
29	27.15	---	27.10	30.59	28.12	29.72	34.60	33.84	33.40	26.97	28.44	28.17
30	26.93	---	27.49	29.80	27.95	31.22	34.49	33.61	32.52	27.17	28.32	27.87
31	26.93	---	26.95	---	27.84	---	34.61	34.70	---	27.44	---	28.60
MEAN	27.50	---	---	29.19	28.68	28.78	33.39	---	33.32	28.95	27.98	28.28
MAX	28.79	---	---	31.90	29.65	31.22	34.61	---	34.75	32.84	29.02	30.14
MIN	26.93	---	---	27.00	27.76	27.22	29.71	---	31.35	26.69	27.12	27.37

WATER LEVEL, IN FEET BELOW LAND SURFACE

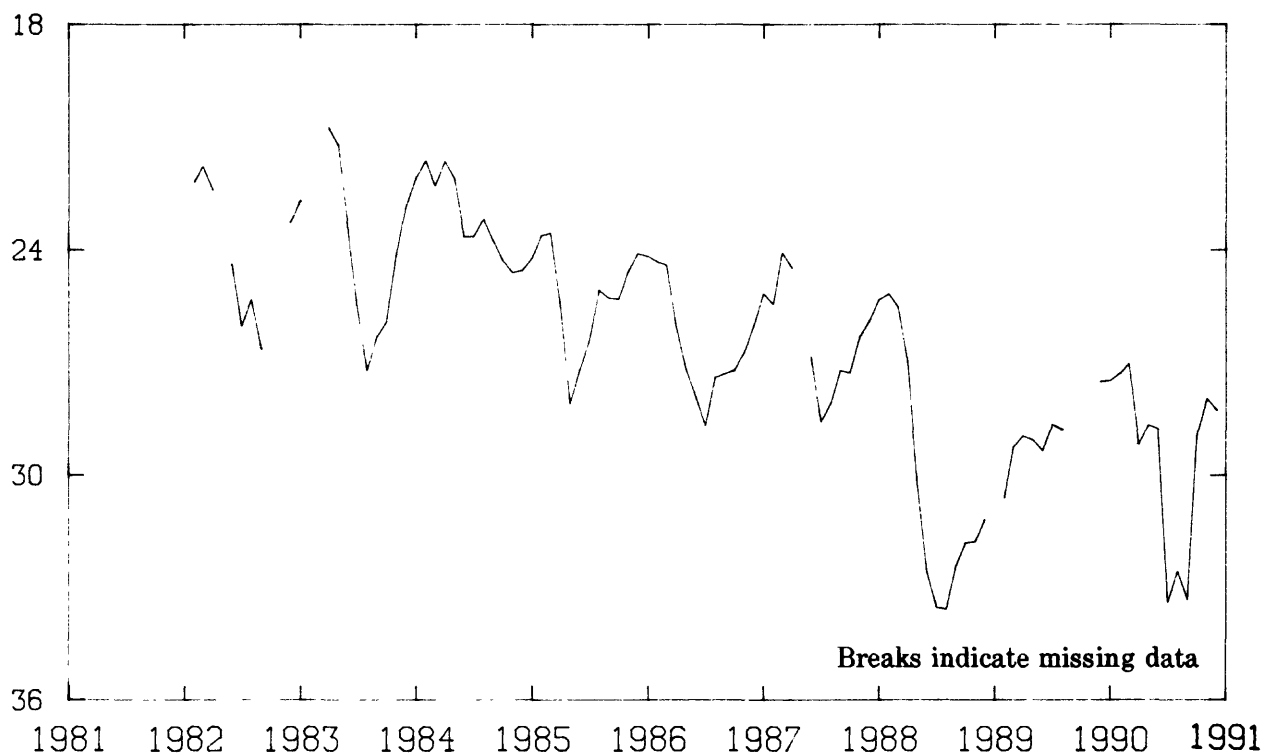
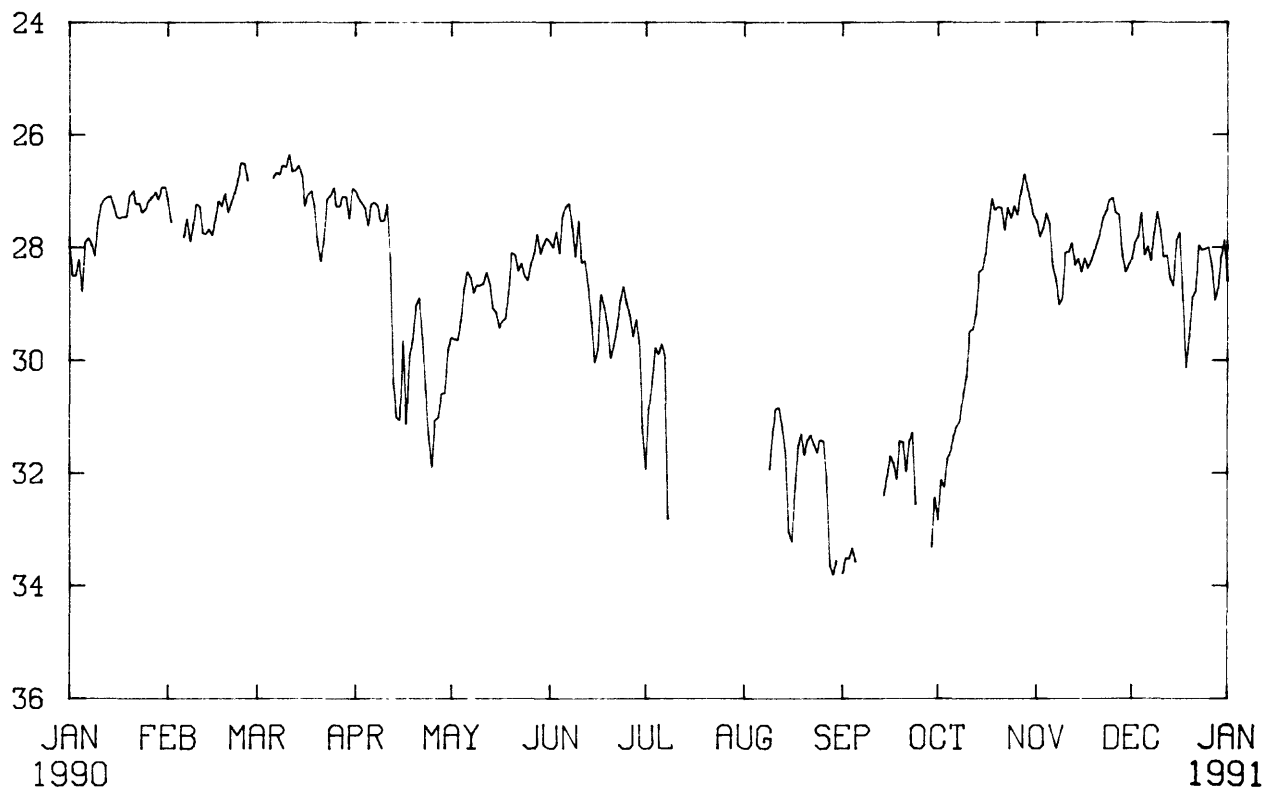


Figure 70.—Water levels in observation well RIC-63.

Table 52.--Characteristics and daily mean water level for well RIC-309

RICHLAND COUNTY

340540081021508. Local number, RIC-309.

LOCATION.--Lat 34°05'40'', long 81°02'15'', Hydrologic Unit 03050106, north of Columbia off State Road S-40-423 at Lincolnshire subdivision.

Owner: Heater Utilities.

AQUIFER.--Rocks of Paleozoic Age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 300 ft, cased to 90 ft, open hole from 90 to 300 ft.

INSTRUMENTATION.--Digital recorder--60 minute collection interval.

DATUM.--Land-surface datum is 260 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft above land-surface datum.

REMARKS.--Water-level affected by nearby pumping.

PERIOD OF RECORD.--September 1971 to June 1975, September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level recorded 4.11 ft below land-surface datum, Mar. 1, 1987; lowest, 44.83 ft below land-surface datum, Dec. 30, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.96	---	---	13.50	11.92	10.74	11.78	13.54	15.80	19.31	21.52	23.67
2	13.29	---	---	13.68	11.81	10.71	11.77	13.66	15.89	19.47	21.64	23.83
3	13.72	---	---	13.67	11.82	10.54	11.74	13.84	15.90	19.67	21.72	23.88
4	14.18	---	---	13.57	11.73	---	11.76	13.87	15.90	19.83	21.79	23.98
5	14.39	---	---	13.52	12.01	---	11.83	13.69	16.10	19.95	21.87	24.03
6	14.45	---	---	13.29	12.11	---	11.91	13.74	16.26	20.06	21.93	24.05
7	14.51	---	---	12.98	11.98	---	12.06	13.91	16.35	20.22	21.99	24.09
8	14.57	---	---	11.09	12.08	---	12.17	14.04	16.48	20.37	22.09	24.16
9	14.82	---	14.77	11.00	12.02	---	12.19	14.06	16.59	20.46	22.11	24.00
10	14.87	---	14.56	11.20	11.78	---	12.13	13.85	16.63	20.47	22.17	24.13
11	14.89	---	14.76	11.31	11.96	---	12.04	14.08	16.72	20.53	22.22	24.21
12	14.95	---	14.67	11.39	12.13	---	12.33	14.21	16.89	20.61	22.31	24.02
13	---	---	13.79	11.80	12.24	---	12.47	14.19	16.96	20.41	22.40	24.10
14	---	---	13.82	11.92	12.24	---	12.43	14.29	16.97	20.31	22.48	23.83
15	---	---	13.84	11.90	12.21	---	12.31	14.38	16.98	20.32	22.54	23.57
16	---	---	13.97	11.93	12.09	---	12.36	14.44	---	20.51	22.59	23.67
17	---	---	14.15	11.95	11.95	---	12.46	14.45	---	20.62	22.65	23.85
18	---	---	14.15	11.92	12.10	---	12.75	14.58	---	20.71	22.74	24.00
19	14.91	---	13.95	11.96	11.26	---	12.92	14.66	---	20.77	22.81	24.03
20	15.05	---	13.85	11.97	10.94	---	12.92	14.68	---	20.71	22.89	24.06
21	15.15	---	13.85	11.80	11.10	---	12.84	14.72	---	20.69	22.97	24.13
22	15.25	---	13.97	11.91	10.76	---	12.81	14.77	---	20.64	22.93	24.04
23	15.39	---	13.96	12.02	10.17	---	12.94	14.95	---	20.69	22.92	24.04
24	15.42	---	13.81	12.03	10.24	---	13.03	15.05	---	20.78	23.01	24.17
25	15.43	---	13.69	11.94	10.61	---	13.10	15.17	---	20.83	23.11	24.20
26	15.48	---	13.60	11.86	10.69	---	13.15	15.21	---	20.88	23.19	24.20
27	15.54	---	13.69	12.02	10.68	---	13.22	15.22	18.84	21.05	23.24	24.25
28	15.57	---	13.71	11.90	10.64	12.14	13.28	15.26	18.95	21.11	23.30	24.30
29	15.61	---	13.76	11.64	---	12.10	13.43	15.22	19.10	21.19	23.36	24.32
30	15.61	---	13.73	11.71	---	12.09	13.45	15.44	19.21	21.31	23.44	24.33
31	15.64	---	13.58	11.86	---	11.81	---	15.63	---	21.40	23.57	---
MEAN	---	---	---	12.14	11.55	---	12.52	14.48	---	20.51	22.56	24.04
MAX	---	---	---	13.68	12.24	---	13.45	15.63	---	21.40	23.57	24.33
MIN	---	---	---	11.00	10.17	---	11.74	13.54	---	19.31	21.52	23.57

WATER LEVEL, IN FEET BELOW LAND SURFACE

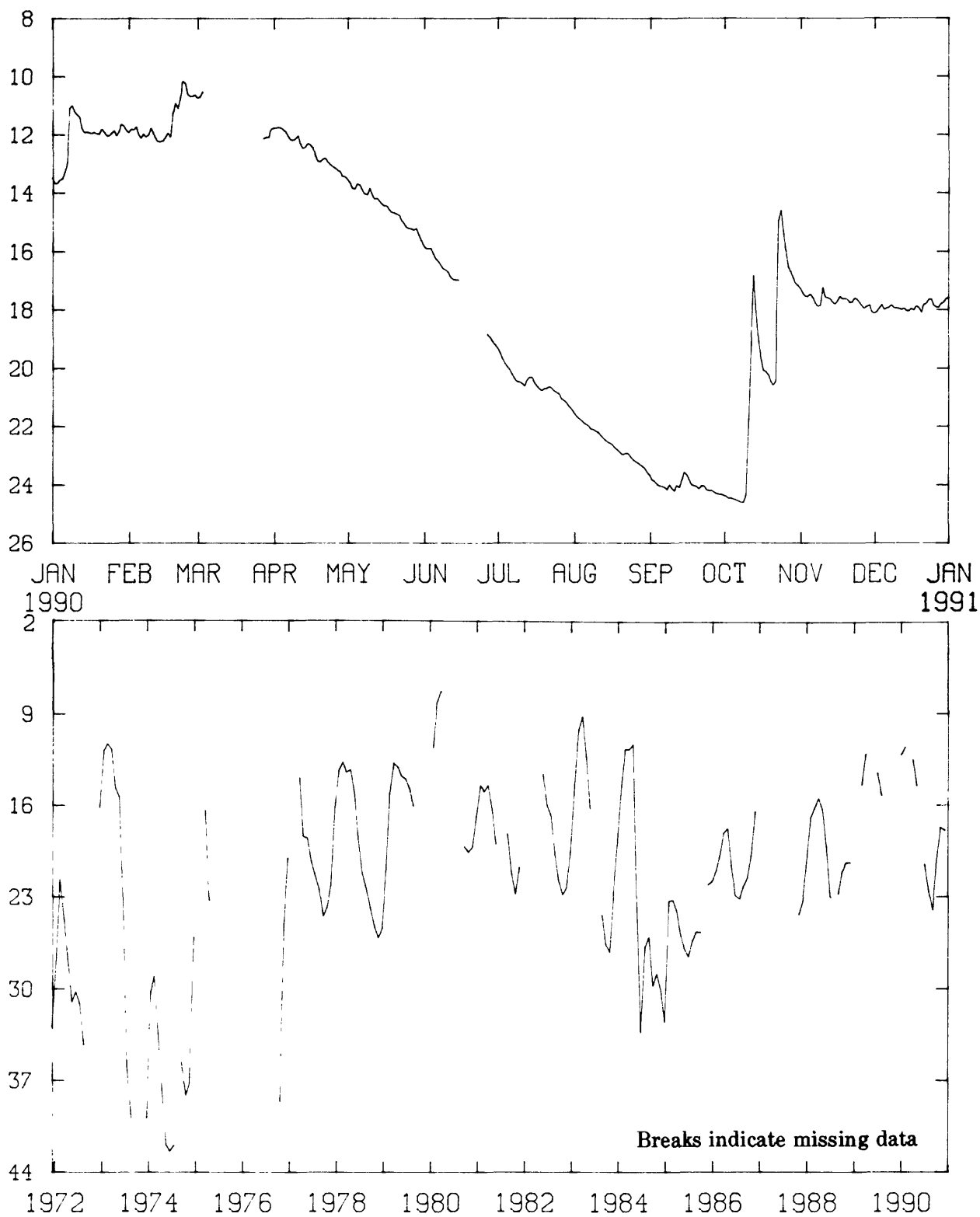


Figure 71.--Water levels in observation well RIC-309.

Table 53.--Characteristics and daily mean water level for well SU-9

SUMTER COUNTY

335602080204800. Local number, SU-9.

LOCATION.--Lat 33°56'02'', long 80°20'48'', Hydrologic Unit 03040205, at Sumter municipal well field, Church Street Plant, City Well No. 1A.

Owner: City of Sumter.

AQUIFER.--Black Creek and Middendorf Formations.

WELL CHARACTERISTICS.--Drilled observation well, diameter 18 in. from surface to 216 ft, 8 in. from 204 to 625 ft, depth 625 ft, cased to 625 ft, screened intervals 508-528, 550-570, 605-625 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

DATUM.--Land-surface datum is 176 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 0.42 ft above land-surface datum.

REMARKS.--Original screened interval 415-435 ft cement plugged Jan. 21, 1953. Geophysical logged Sept. 1979 to 364 ft. Water-level affected by pumping of nearby wells. Geophysical logs and water-quality data available in District files.

PERIOD OF RECORD.--Monthly values, 1946 to 1969. June 1970 to current year. (October 1970 to September 1981, published as SU-69.)

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 40.57 ft below land-surface datum, Oct. 29, 1971; lowest, 77.81 ft below land-surface datum, June 28, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	57.98	60.05	62.15	59.15	67.12	67.05	70.14	72.07	68.45	66.10	63.76	61.13
2	58.97	59.31	61.10	59.71	68.25	67.15	68.29	72.93	66.82	67.45	64.16	60.18
3	59.22	58.54	59.95	60.76	68.70	64.89	68.62	72.25	66.59	68.46	63.21	60.14
4	61.89	56.92	58.43	61.21	68.48	66.02	69.21	71.98	68.14	68.42	61.42	60.15
5	61.68	56.81	58.66	62.21	65.65	66.63	69.25	70.33	69.43	68.31	62.08	61.49
6	61.80	59.14	60.79	62.54	64.78	68.24	70.46	70.69	70.40	68.75	63.04	61.82
7	59.54	59.35	62.02	62.17	64.64	68.22	69.75	70.97	70.70	65.61	63.90	61.53
8	59.19	59.35	60.91	59.98	64.76	68.81	69.64	70.44	70.17	66.85	63.32	61.61
9	60.46	59.03	59.92	60.83	66.02	67.60	69.53	70.84	67.49	68.21	63.20	60.09
10	61.16	58.15	59.76	62.13	66.14	64.61	72.05	71.37	68.51	68.10	62.61	60.41
11	59.80	57.06	59.57	62.69	66.75	65.56	71.98	70.00	70.61	68.16	61.15	61.36
12	60.51	57.15	59.26	62.07	65.86	67.32	73.08	69.45	71.26	66.96	61.55	61.59
13	59.83	58.83	61.22	62.44	62.81	67.84	72.34	69.74	71.39	66.65	63.04	62.01
14	58.38	59.68	61.48	61.18	64.97	69.25	68.97	71.35	70.85	64.13	62.54	62.01
15	58.12	59.56	61.12	60.40	67.66	69.88	67.13	71.59	69.12	64.82	62.56	60.97
16	60.77	59.66	61.70	61.32	68.98	67.39	68.73	70.96	67.44	66.49	63.08	59.79
17	60.33	58.67	59.80	65.38	68.64	65.70	69.82	70.81	67.92	65.69	61.91	60.42
18	60.12	57.48	58.44	65.45	68.06	67.80	69.88	69.89	68.82	65.38	60.70	61.12
19	60.12	57.08	59.27	65.80	66.72	69.54	70.02	68.38	69.35	66.26	60.48	61.45
20	60.15	58.57	61.61	66.05	65.67	70.34	69.88	68.58	69.83	64.96	61.91	61.60
21	58.28	58.75	61.70	65.36	66.57	71.49	68.45	71.15	69.33	63.20	62.92	61.40
22	58.66	58.66	62.49	63.96	66.74	72.02	65.72	71.33	68.78	64.09	60.47	59.41
23	60.73	59.02	63.09	64.82	67.55	70.33	67.32	71.74	66.51	65.38	58.15	57.90
24	61.71	57.33	60.85	66.99	68.16	67.65	69.00	71.63	67.17	65.28	58.04	57.09
25	61.19	56.31	59.68	67.20	68.35	69.02	68.99	71.41	68.11	66.33	57.37	56.13
26	61.39	58.01	61.36	67.61	67.22	70.15	69.89	67.87	69.08	66.04	59.30	55.74
27	59.18	61.61	61.89	68.07	66.34	71.40	69.70	68.45	69.08	63.18	60.11	55.60
28	57.40	62.92	62.82	68.20	63.89	71.45	69.34	70.80	69.94	60.82	61.53	55.25
29	58.11	---	61.36	64.42	63.30	71.51	68.22	71.71	66.54	62.22	62.00	54.52
30	60.48	---	60.77	64.64	64.88	70.89	69.44	72.03	64.50	63.44	61.36	54.35
31	60.79	---	60.50	---	65.54	---	70.13	71.61	---	64.39	---	56.18
MEAN	59.93	58.68	60.76	63.49	66.43	68.52	69.52	70.79	68.74	65.81	61.70	59.50
MAX	61.89	62.92	63.09	68.20	68.98	72.02	73.08	72.93	71.39	68.75	64.16	62.01
MIN	57.40	56.31	58.43	59.15	62.81	64.61	65.72	67.87	64.50	60.82	57.37	54.35
CAL YR 1990	MEAN 64.52 HIGH 54.35 LOW 73.08											

WATER LEVEL, IN FEET BELOW LAND SURFACE

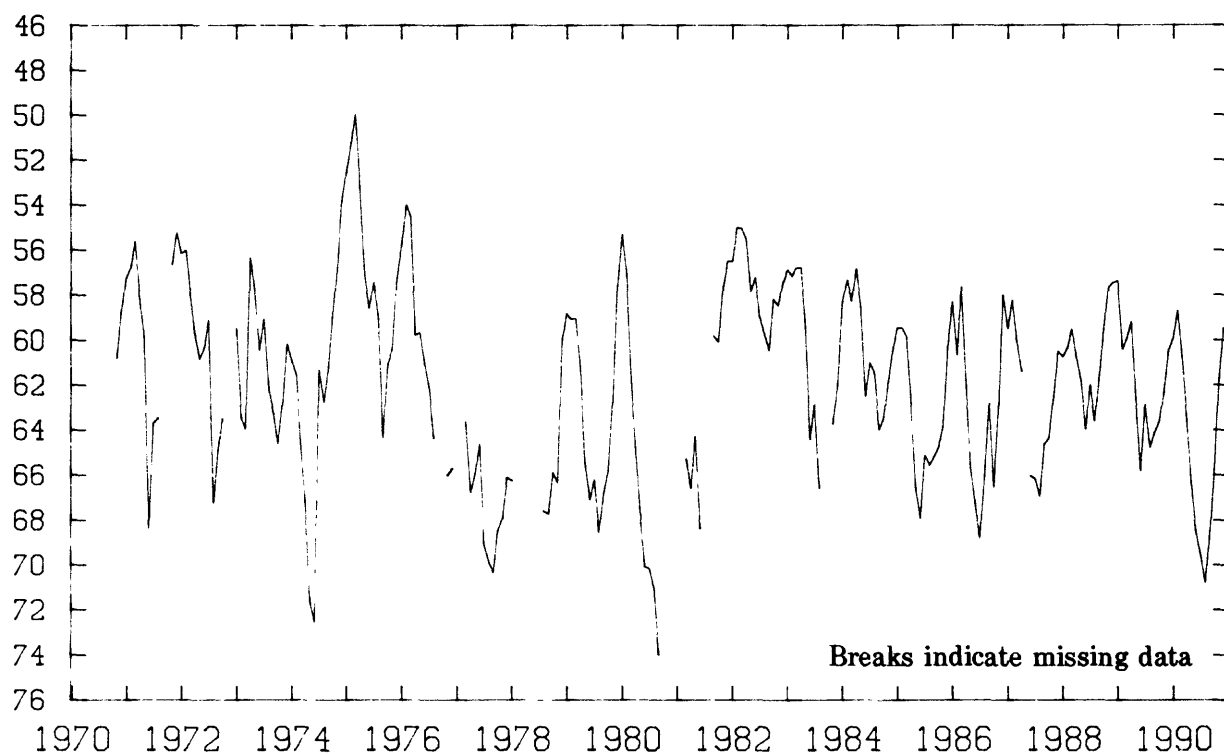
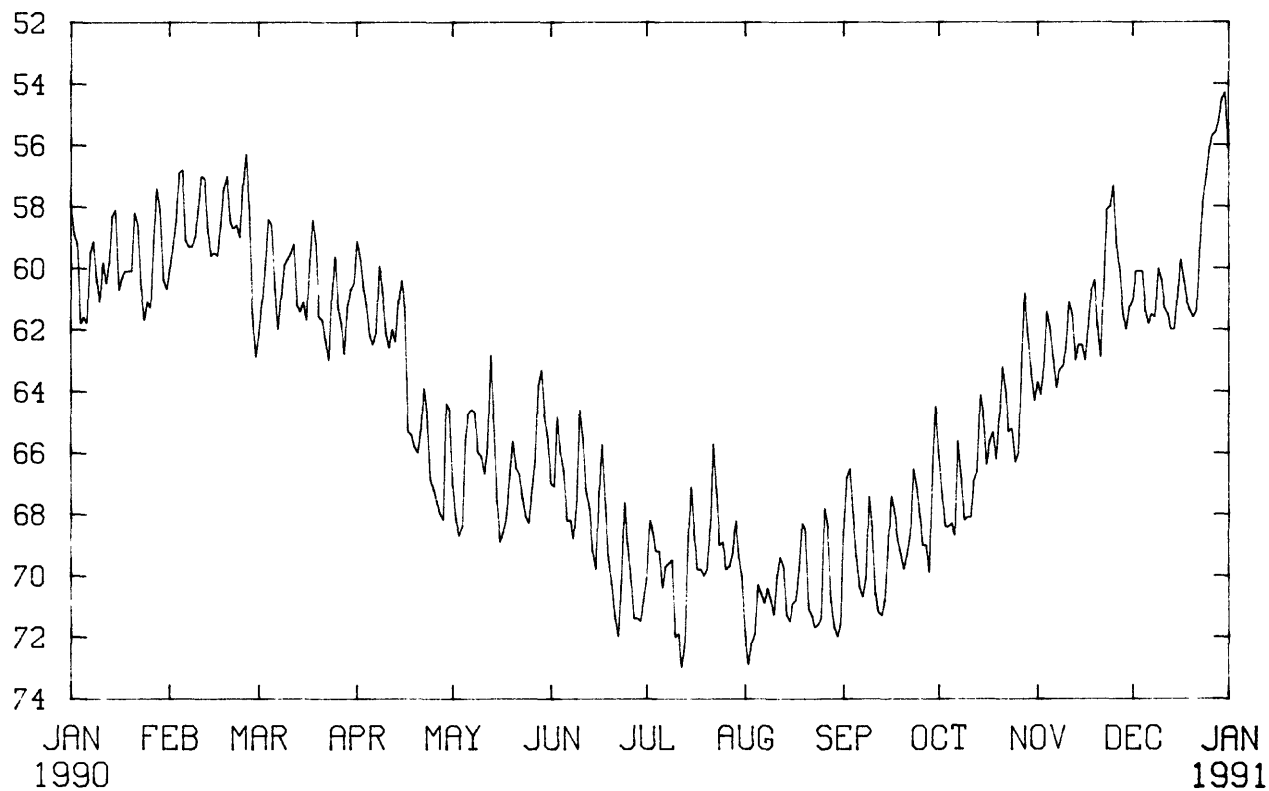


Figure 72.--Water levels in observation well SU-9.

Table 54.--Characteristics and daily mean water level for well WL-76

WILLIAMSBURG COUNTY

334410079310200. Local number, WL-76.

LOCATION.--Lat 33°44'10'', long 79°31'02'', Hydrologic Unit 03040205, 15 ft behind Allis-Chalmers store and 86 ft from the water tower in Stuckey.

Owner: Town of Stuckey.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 257 ft, casing depth and screened intervals unknown.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.20 ft above land-surface datum.

REMARKS.--1978 water-quality data on file in District office. Caliper and gamma logged Oct. 11, 1978, depth 256 ft. Water-level affected by nearby irrigational pumpage.

PERIOD OF RECORD.--October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 34.55 ft below land-surface datum, Jan. 12, 1982; lowest, 61.99 ft below land-surface datum, APR. 12, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990

MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	50.37	49.31	48.82	48.91	49.50	52.11	51.83	51.48	52.09	51.62	50.89	50.91
2	50.37	49.17	48.70	49.13	50.46	51.41	51.64	51.66	51.94	51.59	50.93	50.77
3	50.28	49.24	48.80	49.00	50.17	51.14	51.62	51.71	52.08	51.67	51.22	50.71
4	50.21	49.10	48.85	48.93	50.03	50.61	51.77	51.62	52.25	51.70	51.17	50.55
5	50.14	49.15	48.80	49.08	49.79	50.87	51.79	51.73	52.15	51.65	50.90	50.47
6	50.18	49.08	48.88	49.25	49.82	50.81	51.70	51.47	51.90	51.86	50.83	50.49
7	49.99	48.97	48.91	49.33	49.71	50.94	51.82	51.66	52.01	51.84	50.82	50.49
8	49.59	48.97	49.00	49.19	49.73	50.97	51.91	51.47	52.05	51.69	50.94	50.50
9	49.55	48.99	48.83	49.18	49.69	50.96	51.81	51.57	52.13	51.81	50.91	50.80
10	49.48	48.92	48.87	49.59	49.46	50.95	51.70	51.48	52.23	51.46	50.72	50.67
11	49.36	48.99	48.83	49.57	49.94	50.99	51.75	51.59	52.13	51.08	51.02	50.56
12	49.33	48.91	48.91	49.68	49.65	51.16	51.84	51.65	52.12	51.11	50.69	50.58
13	49.75	48.88	49.02	49.66	49.76	51.53	52.11	51.48	52.12	51.33	50.62	50.85
14	49.49	48.78	48.88	49.70	49.93	51.92	52.09	51.68	52.06	51.29	50.62	51.13
15	49.44	48.79	48.90	49.35	50.51	51.49	51.93	51.62	52.27	51.14	50.83	51.07
16	49.41	48.98	49.14	49.13	50.65	51.50	51.88	51.58	52.16	51.13	50.78	50.97
17	49.38	48.94	48.96	49.34	50.72	51.40	51.82	51.73	52.27	51.20	50.74	50.76
18	49.51	48.89	49.23	49.28	51.00	51.46	51.69	51.88	52.24	51.10	50.92	50.63
19	49.29	48.92	48.96	49.30	51.22	51.46	51.72	51.77	51.96	51.06	50.74	50.56
20	49.42	48.95	48.80	49.62	51.15	51.58	51.54	51.72	51.89	51.17	50.65	50.56
21	49.35	48.90	48.79	49.49	51.13	51.83	51.94	51.72	51.89	51.17	50.64	50.80
22	49.36	48.84	48.99	49.46	51.13	51.59	51.51	50.98	52.07	51.09	50.63	50.72
23	49.27	48.70	49.03	49.36	50.54	51.57	51.33	50.49	51.81	50.96	50.95	50.79
24	49.19	48.76	49.05	49.33	50.74	51.29	51.65	51.91	51.75	51.08	50.78	50.79
25	49.15	48.96	49.11	49.35	50.62	51.41	51.44	52.47	51.82	51.03	50.98	50.75
26	49.10	49.06	48.97	49.48	50.89	51.36	51.37	52.01	51.70	51.01	50.75	50.98
27	49.41	49.00	49.00	49.50	50.86	51.32	51.75	51.75	51.66	51.16	50.73	50.72
28	49.37	48.81	49.19	49.54	50.34	51.46	51.71	51.77	51.70	51.32	50.60	50.97
29	49.09	---	48.87	48.96	50.42	51.68	51.57	51.74	51.96	51.10	50.54	50.85
30	49.07	---	48.87	48.39	50.43	51.77	51.66	51.55	51.77	51.00	50.82	50.86
31	49.09	---	49.16	---	50.80	---	51.56	51.92	---	51.11	---	50.94
MEAN	49.55	48.96	48.94	49.30	50.35	51.35	51.72	51.64	52.01	51.31	50.81	50.75
MAX	50.37	49.31	49.23	49.70	51.22	52.11	52.11	52.47	52.27	51.86	51.22	51.13
MIN	49.07	48.70	48.70	48.39	49.46	50.61	51.33	50.49	51.66	50.96	50.54	50.47

CAL YR 1990 MEAN 50.57 HIGH 48.39 LOW 52.47

WATER LEVEL, IN FEET BELOW LAND SURFACE

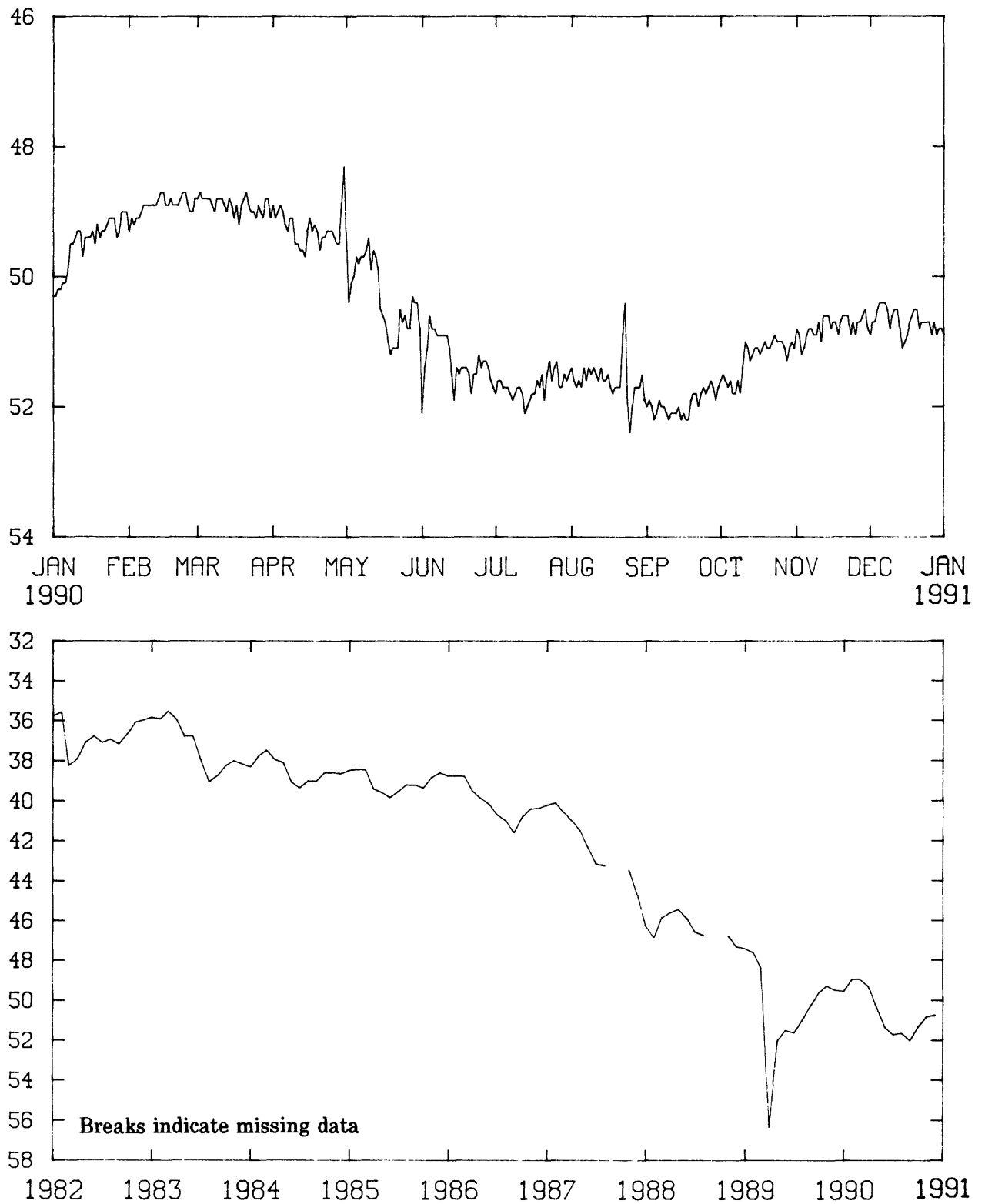


Figure 73.—Water levels in observation well WL-76.

Table 55.--Characteristics and daily mean water level for well YK-147

YORK COUNTY

350150081012500. Local number, YK-147.

LOCATION.--Lat 35°01'37'', long 81°01'59'', Hydrologic Unit 03050101, near Fort Mill on Lake Wylie.

Owner: Tega Cay Development.

AQUIFER.--Rocks of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 700 ft, cased to 50 ft, open hole from 50 to 700 ft.

INSTRUMENTATION.--Digital recorder--60 minute punch.

DATUM.--Land-surface datum is 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 0.75 ft above land-surface datum.

REMARKS.--Water-level affected by stage from Lake Wylie. Geophysical logs available in District files.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 18.46 ft below land-surface datum, Apr. 24, 1983; lowest, 29.69 ft below land-surface datum, July 13, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, CALENDAR YEAR JANUARY 1990 TO DECEMBER 1990
MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.50	22.21	21.49	22.66	24.26	23.48	27.89	26.43	25.30	25.58	23.94	23.61
2	24.61	22.05	21.55	22.58	24.16	23.38	28.09	26.77	25.32	25.68	24.13	23.50
3	24.60	21.99	21.52	22.58	24.05	23.26	28.32	27.07	25.43	25.79	24.26	23.38
4	24.49	21.85	21.68	22.58	23.87	23.14	28.46	27.31	25.66	25.86	24.29	23.33
5	24.39	21.90	21.86	22.68	23.60	23.12	28.58	27.44	25.92	25.90	24.20	23.37
6	24.26	21.90	22.03	22.76	23.50	23.06	28.76	27.46	26.11	25.83	24.22	23.25
7	24.14	21.87	22.19	22.85	23.42	23.01	28.96	27.36	26.26	25.74	24.15	23.20
8	23.97	21.87	22.26	22.93	23.36	23.02	29.10	27.17	26.49	25.71	24.11	23.20
9	23.94	21.74	22.35	22.97	23.27	23.10	29.28	26.94	26.70	25.72	24.01	23.29
10	23.88	21.48	22.73	22.92	23.07	23.20	29.43	26.69	26.83	25.70	23.70	23.30
11	23.77	21.38	23.11	22.87	23.07	23.33	29.54	26.43	26.82	25.53	23.79	23.38
12	23.75	21.41	23.37	22.91	22.99	23.55	29.63	26.27	26.65	25.23	23.81	23.42
13	23.84	21.48	23.53	22.90	22.90	23.73	29.69	26.23	26.44	24.87	23.89	23.45
14	23.85	21.53	23.57	22.79	22.96	23.82	29.53	26.29	26.12	24.68	23.94	23.57
15	23.80	21.53	23.55	22.67	23.08	23.94	29.18	26.40	25.78	24.53	23.87	23.67
16	23.79	21.44	23.47	22.68	23.21	24.13	28.71	26.43	25.53	24.43	23.75	23.73
17	23.73	21.44	23.31	22.71	23.36	24.22	28.18	26.35	25.42	24.25	23.65	23.80
18	23.64	21.53	23.16	22.89	23.57	24.17	27.65	26.21	25.37	23.99	23.62	23.72
19	23.60	21.37	22.99	23.02	23.68	24.24	27.17	26.12	25.31	23.88	23.62	23.75
20	23.56	21.44	22.91	23.06	23.69	24.52	26.73	26.18	25.30	23.84	23.69	23.81
21	23.42	21.44	22.90	23.09	23.71	24.99	26.28	26.31	25.34	23.70	23.75	23.71
22	23.43	21.24	22.83	23.16	23.76	25.45	25.88	26.35	25.34	23.52	23.73	23.67
23	23.43	21.09	22.74	23.30	23.69	25.92	25.65	26.32	25.37	23.37	23.65	23.60
24	23.29	21.07	22.66	23.51	23.60	26.38	25.45	26.21	25.43	23.30	23.67	23.59
25	23.04	21.14	22.66	23.72	23.53	26.93	25.32	26.03	25.41	23.15	23.70	23.67
26	22.86	21.15	22.68	23.90	23.42	27.40	25.28	25.81	25.33	23.16	23.71	23.67
27	22.74	21.11	22.77	24.04	23.40	27.74	25.28	25.60	25.30	23.28	23.75	23.62
28	22.56	21.29	22.84	24.18	23.37	27.93	25.43	25.45	25.35	23.28	23.72	23.57
29	22.34	---	22.79	24.31	23.39	27.96	25.60	25.30	25.41	23.41	23.73	23.49
30	22.32	---	22.74	24.33	23.43	27.91	25.82	25.26	25.48	23.57	23.69	23.38
31	22.30	---	22.70	---	23.44	---	26.11	25.27	---	23.77	---	23.34
MEAN	23.61	21.53	22.68	23.12	23.48	24.67	27.58	26.37	25.75	24.52	23.86	23.52
MAX	24.61	22.21	23.57	24.33	24.26	27.96	29.69	27.46	26.83	25.90	24.29	23.81
MIN	22.30	21.07	21.49	22.58	22.90	23.01	25.28	25.26	25.30	23.15	23.62	23.20

CAL YR 1990 MEAN 24.24 HIGH 21.07 LOW 29.69

WATER LEVEL, IN FEET BELOW LAND SURFACE

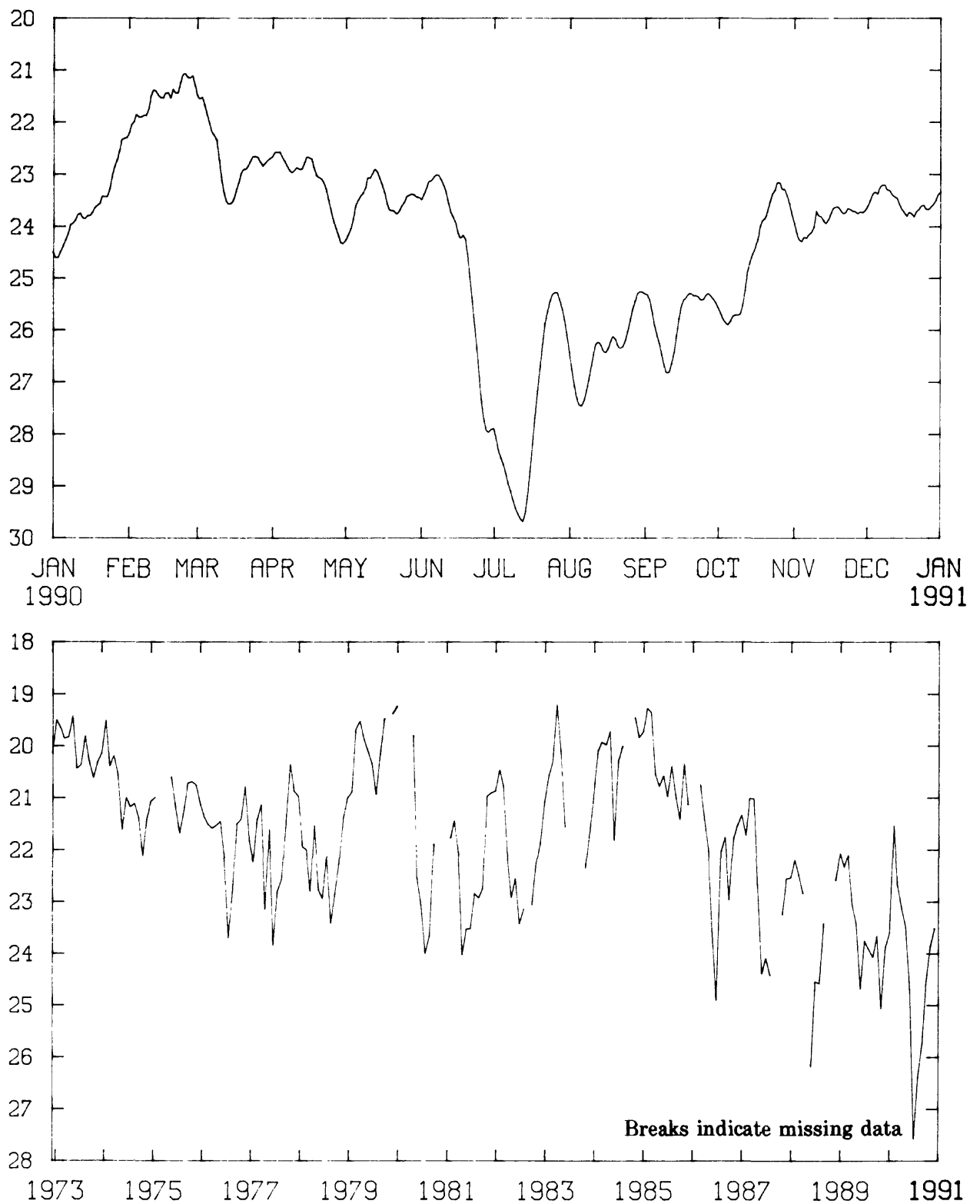


Figure 74.--Water levels in observation well YK-147.