

SELECTED HYDROLOGIC DATA FROM A
WASTEWATER SPRAY DISPOSAL SITE ON
HILTON HEAD ISLAND, SOUTH CAROLINA

By Gary K. Speiran and Donna L. Belval

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CONTENTS

	Page
Abstract	1
Introduction	1
Purpose and scope.	1
Data-collection network.	3
Wastewater treatment plant and application system.	8
Wastewater application	10
Synopsis of data collected	10
Water levels.	10
Water quality	10

ILLUSTRATIONS

Figure 1. Map showing location of the wastewater disposal site on Hilton Head Island, South Carolina.	2
2. Map showing location of nests of piezometers and individual piezometers at the wastewater disposal site on Hilton Head Island	4
3. Map showing configuration of the high-pressure system of spray heads and low-pressure system for wastewater application on the wastewater disposal site	9
4. Graph of water levels in piezometers A10R, B10R, and E10R at the wastewater disposal site October 1982 through December 1983	12
5-11. Maps showing:	
5. Water-table altitudes on October 26, 1982 at the wastewater disposal site on Hilton Head Island.	13
6. Water-table altitudes on January 26, 1983 at the wastewater disposal site on Hilton Head Island.	14
7. Water-table altitudes on March 1, 1983 at the wastewater disposal site on Hilton Head Island.	15

ILLUSTRATIONS (Continued)

	Page
Figure 8. Water-table altitudes on July 27, 1983 at the wastewater disposal site on Hilton Head Island. . . .	16
9. Water-table altitudes on August 3, 1983 at the wastewater disposal site on Hilton Head Island. . . .	17
10. Water-table altitudes on August 30, 1983 at the wastewater disposal site on Hilton Head Island. . . .	18
11. Water-table altitudes on August 18, 1983 at the wastewater disposal site on Hilton Head Island. . . .	19

TABLES

Table 1. Piezometer data for the wastewater disposal site on Hilton Head Island.	5
2. Wastewater application rates January through December 1983 .	11
3. Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island . . .	20

CONVERSION FACTORS AND ABBREVIATIONS OF UNITS

The following factors may be used to convert the inch-pound units published herein to the International System of units (SI).

<u>Multiply inch-pound units</u>	<u>By</u>	<u>To obtain SI units</u>
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
acre	0.4047	hectare (ha)
gallon (gal)	3.785	liter (L)
micromho per centimeter at 25° Celsius (umhos/cm at 25°C)	1.000	microsiemen per centimeter at 25° Celsius (uS/cm at 25°C)
pound, avoirdupois (lb)	453.6	milligram (g)

Temperature in degrees Celsius (°C) can be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = 1.8 \text{ }^{\circ}\text{C} + 32$$

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ABSTRACT

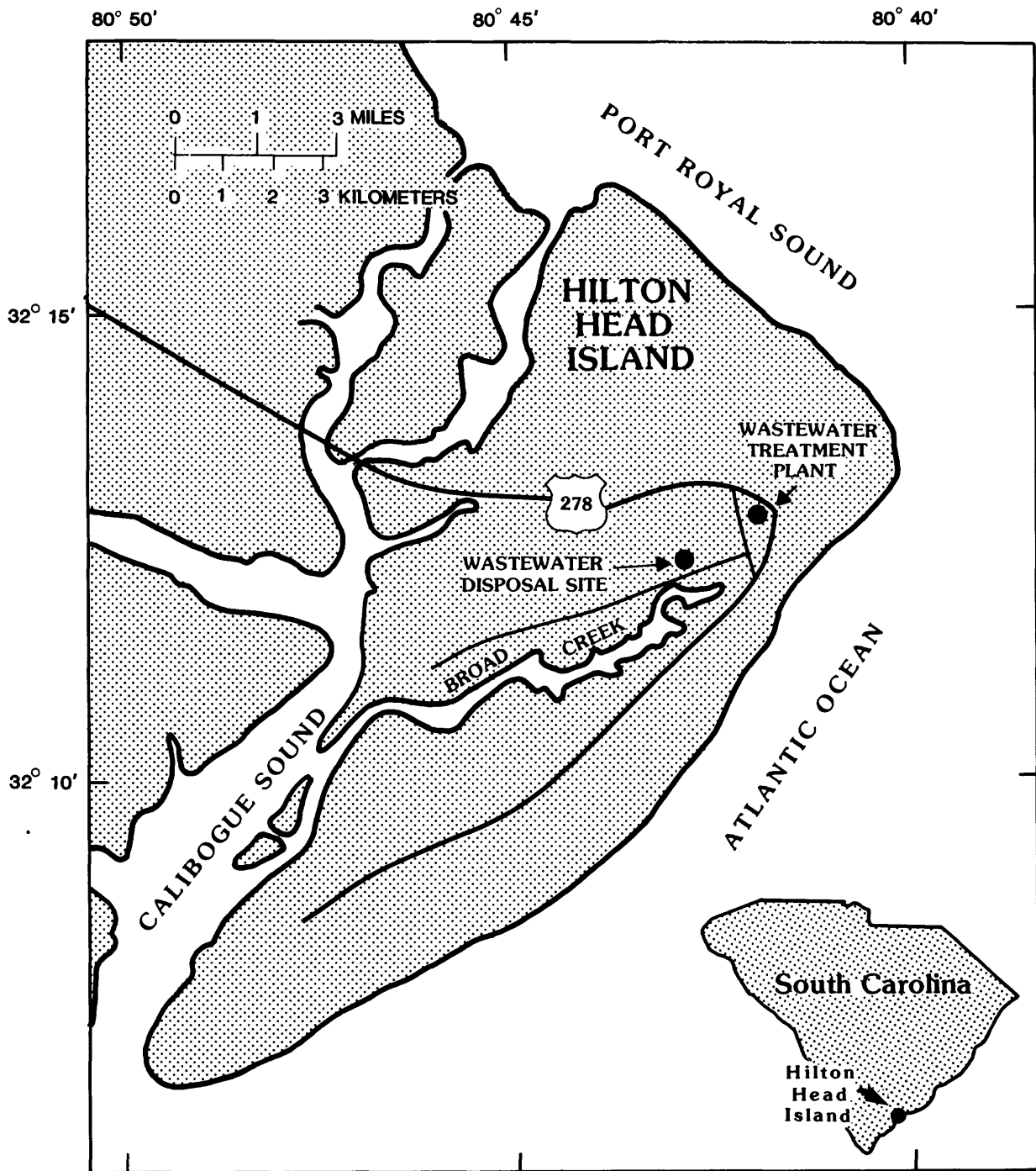
This report presents data collected during a study of the effects on the water-table aquifer from wastewater application at rates of up to 5 inches per week on a wastewater spray disposal site on Hilton Head Island, South Carolina. The study was conducted from April 1982 through December 1983. The disposal site covers approximately 14 acres. Water-level and water-quality data from organic, inorganic, and nutrient analyses from the water-table aquifer to a depth of 30 feet and water-quality data from the wastewater treatment plant are included.

INTRODUCTION

The primary method of wastewater disposal on Hilton Head Island, South Carolina, is spray application of secondary-treated wastewater effluent on land areas. The maximum rate of wastewater application permitted by the South Carolina Department of Health and Environmental Control is 2 inches per week in coastal areas. There previously have been limited studies on the effects of higher rate wastewater application on water levels and water quality in the water-table aquifer in these areas. This study was conducted to determine the effects of wastewater application at higher rates on the water-table aquifer at a spray site on Hilton Head Island (fig. 1).

PURPOSE AND SCOPE

This report presents data collected between April 1982 and December 1983 prior to and during wastewater application at the wastewater spray disposal site north of Broad Creek on Hilton Head Island. Water-level and water-quality data are presented in graphs, maps, and tables.



Base from South Carolina Highway Department
 Beaufort county highway map 1:126,720

Figure 1.--Location of wastewater disposal site on Hilton Head Island,
 South Carolina

DATA-COLLECTION NETWORK

The data-collection network consisted of nests of piezometers screened at various depths in the water-table aquifer and individual piezometers screened in the top of the water-table aquifer. The nests of piezometers were used to obtain water levels and water-quality samples. The nests are designated as A, B, C, D, and E (fig. 2). Nests A, B, and D are aligned in a north-south direction with nest A at the center of the site, nest B at the southern edge of the site, and nest D at the northern edge of the site. Nest C is at the eastern edge of the site. Nest E is a control nest located about 800 feet west of the spray site.

Information about piezometers in the nests and individual piezometers are given in table 1. Piezometers located in the nests had 1-foot long screens at the bottom and are identified by the nest and depth, for example, A10 is the 10-foot deep piezometer at nest A. Except for piezometers A6 and B3, piezometers in each nest were 2, 5, 10, and 15 feet deep. Piezometers A6 and B3 were finished at depths of 6 and 3 feet, respectively, so that the water table was screened at these nests. Piezometers deeper than 15 feet were also drilled at nests A, B, C, and E. Additional 10-foot deep piezometers with recorders were included at nests A, B, and E. Recorder piezometers are identified by the letter "R" following the piezometer identification number, such as, A10R for the recorder piezometer at nest A.

Individual piezometers were constructed at other locations around the spray site for obtaining water levels. These piezometers had a 1-foot screen between 1 and 2 feet below the water table. Piezometer identification is based on the orientation of the line in which a piezometer is located. Four lines of piezometers have a north-south orientation. The original line of piezometers constructed with this orientation is designated "N" for north. The easternmost line with a north-south orientation is designated line NE. The line through the middle of the site with a north-south orientation is designated line NM. The westernmost line with a north-south orientation is designated line NW. Piezometers in these lines were numbered from north to south, for example, piezometer NW1 is the northernmost piezometer in line NW. Modifications of the numbering system are used for piezometers constructed after the initial designation of piezometers in a line.

Another line of piezometers had an east-west orientation. This line is designated line W and the piezometers are numbered from west to east. Piezometers in this line that are also on a north-south line have been numbered for both lines but are identified by the designation for the north-south line.

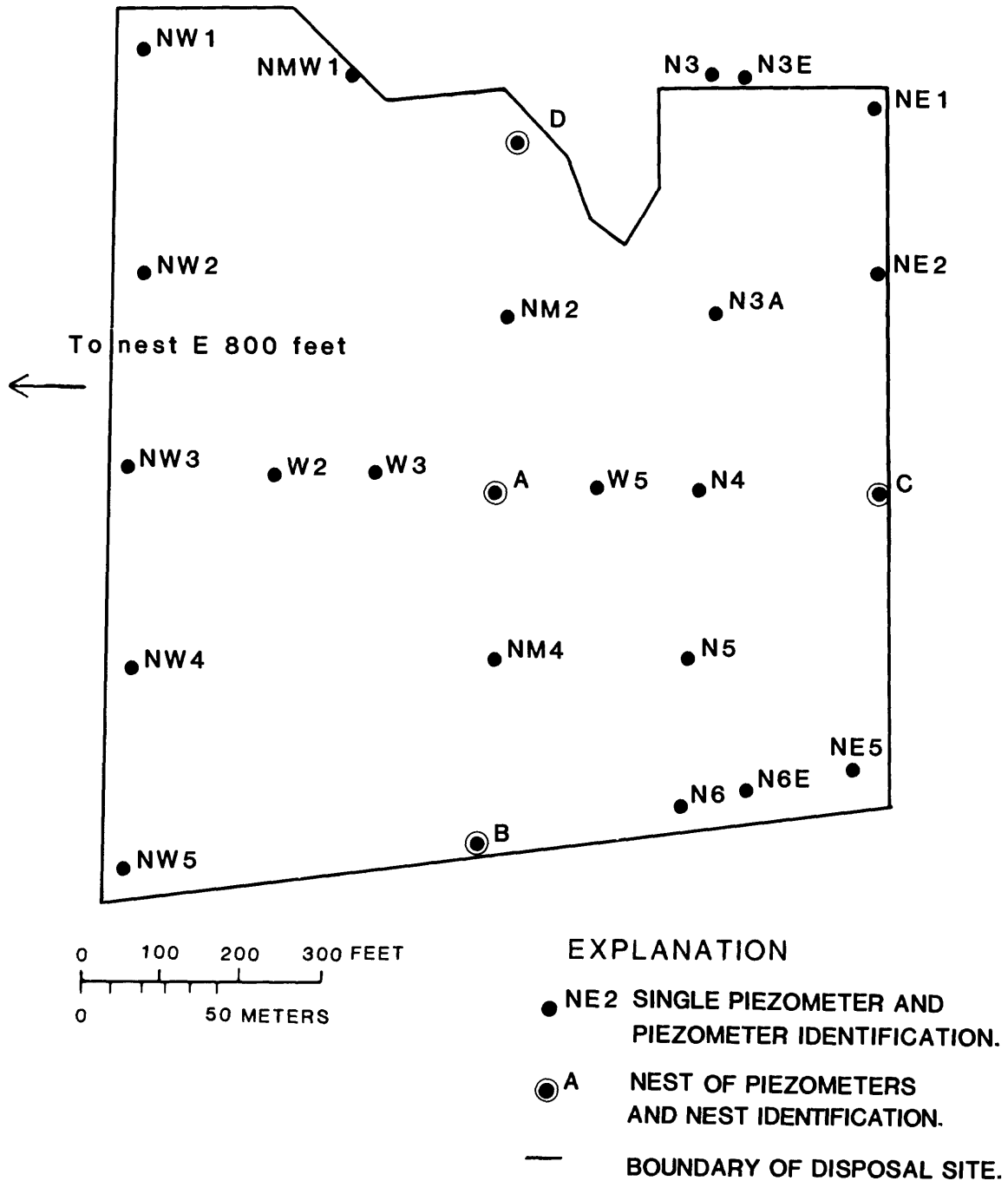


Figure 2. --Location of nests of piezometers and individual piezometers at the wastewater disposal site on Hilton Head Island.

Table 1.--Piezometer data for the wastewater disposal site on Hilton Head Island

County number	Local piezometer number	Latitude/ longitude	Land surface altitude (feet)	Drilled depth (feet)	Cased depth (feet)	Casing diameter (inches)	Screened interval (feet)
BFT-1362	A10R	321215 804237	14.7	10	10	4	9-10
BFT-1337	A30	321215 804237	14.41	35	30	1.25	29-30
BFT-1338	A20	321215 804237	14.58	20	20	1.25	19-20
BFT-1339	A15	321215 804237	14.61	15	15	1.25	14-15
BFT-1340	A10 ^o	321215 804237	14.46	10	10	1.25	9-10
BFT-1341	A6	321215 804237	14.27	6	6	1.25	5-6
BFT-1342	A2	321215 804237	14.1	2	2	1.25	1-2
BFT-1363	B10R	321212 804237	9.7	10	10	4	9-10
BFT-1343	B25	321212 804237	9.69	30	25	1.25	24-25
BFT-1344	B15	321212 804237	9.66	15	15	1.25	14-15
BFT-1345	B10	321212 804237	9.65	10	10	1.25	9-10
BFT-1346	B5	321212 804237	9.52	5	5	1.25	4-5
BFT-1347	B3	321212 804237	9.48	3	3	1.25	2-3
BFT-1348	C25	321216 804233	11.98	30	25	1.25	24-25
BFT-1349	C15	321216 804233	11.77	15	15	1.25	14-15

Table 1.--Piezometer data for the wastewater disposal site on Hilton Head Island (Continued)

County number	Local piezometer number	Latitude/ longitude	Land surface altitude (feet)	Drilled depth (feet)	Cased depth (feet)	Casing diameter (inches)	Screened interval (feet)
BFT-1350	C10	321216 804233	11.47	10	10	1.25	9-10
BFT-1351	C5	321216 804233	11.42	5	5	1.25	4-5
BFT-1352	C2	321216 804233	11.23	2	2	1.25	1-2
BFT-1353	D15	321218 804239	15.16	15	15	1.25	14-15
BFT-1354	D10	321218 804239	15.23	10	10	1.25	9-10
BFT-1355	D5	321218 804239	15.11	5	5	1.25	4-5
BFT-1356	D2	321218 804239	15.01	2	2	1.25	1-2
BFT-1364	E10R	321216 804300	14.1	10	10	4	9-10
BFT-1357	E25	321216 804300	14.32	30	25	1.25	24-25
BFT-1358	E15	321216 804300	14.22	15	15	1.25	14-15
BFT-1359	E10	321216 804300	14.31	10	10	1.25	9-10
BFT-1360	E5	321216 804300	14.29	5	5	1.25	4-5
BFT-1361	E2	321216 804300	14.27	2	2	1.25	1-2
BFT-1367	N3	321220 804236	13.7	8.0	8.0	1.25	7.0-8.0
BFT-1368	N4	321215 804235	12.57	5.0	5.0	1.25	4.0-5.0

Table 1.--Piezometer data for the wastewater disposal site on Hilton Head Island (Continued)

County number	Local piezometer number	Latitude/longitude	Land surface altitude (feet)	Drilled depth (feet)	Cased depth (feet)	Casing diameter (inches)	Screened interval (feet)
BFT-1369	N5	321213 804234	11.48	5.9	5.9	1.25	4.9-5.9
BFT-1370	N6	321212 804233	8.67	3.6	3.6	1.25	2.6-3.6
BFT-1372	N3E	321220 804235	12.29	6.0	6.0	1.25	5.0-6.0
BFT-1373	N6E	321212 804233	8.82	4.5	4.5	1.25	3.5-4.5
BFT-1374	NW1	321218 804243	11.81	5.0	5.0	1.25	4.0-5.0
BFT-1375	NW3	321214 804243	14.61	6.8	6.8	1.25	5.8-6.8
BFT-1376	W2	321214 804241	14.67	7.4	7.4	1.25	6.4-7.4
BFT-1377	W3	321214 804239	14.84	7.1	7.1	1.25	6.1-7.1
BFT-1378	W5	321215 804236	16.06	6.0	6.0	1.25	5.0-6.0
BFT-1379	NW5	321209 804236	10.35	4.8	4.8	1.25	3.8-4.8
BFT-1380	NE5	321212 804232	9.18	4.3	4.3	1.25	3.3-4.3
BFT-1444	NE1	321220 804233	14.36	7.5	7.5	1.25	6.5-7.5
BFT-1445	NE2	321218 804233	14.74	7.5	7.5	1.25	6.5-7.5
BFT-1446	NE3A	321218 804235	15.27	7.5	7.5	1.25	6.5-7.5
BFT-1447	NM2	321217 804237	14.81	7.5	7.5	1.25	6.5-7.5

Table 1.--Piezometer data for the wastewater disposal site on Hilton Head Island (Continued)

County number	Local piezometer number	Latitude/ longitude	Land surface altitude (feet)	Drilled depth (feet)	Cased depth (feet)	Casing diameter (inches)	Screened interval (feet)
BFT-1448	NM4	321213 804237	11.83	--	--	1.25	--
BFT-1449	NMW1	321219 804240	13.54	6.5	6.5	1.25	5.5-6.5
BFT-1450	NW2	321216 804242	15.63	8.0	8.0	1.25	7.0-8.0
BFT-1451	NW4	321212 804242	10.26	7.0	7.0	1.25	6.0-7.0

WASTEWATER TREATMENT PLANT
AND APPLICATION SYSTEM

The wastewater treatment plant that supplied wastewater to the disposal site includes the treatment system and holding ponds. Wastewater treatment consists of primary treatment, secondary activated sludge treatment with a several-hour hydraulic retention time, final settling, and chlorination. The wastewater is primarily from domestic sources. After treatment, the wastewater is stored in holding ponds that have a 21-day hydraulic retention time. Wastewater from the holding ponds is disposed of by spraying on two golf courses and at the wastewater disposal site. The treatment plant is located approximately 1 mile from the 14-acre disposal site (fig. 1).

The wastewater application system at the site includes a high-pressure system and a low-pressure system (fig. 3). The high-pressure system applies wastewater through pulsating-type spray heads having a spray radius of approximately 120 feet. It is surrounded by a 100-foot wide buffer zone on all sides to reduce movement of wastewater aerosols from the site. The low-pressure system consists of a network of PVC (polyvinylchloride) pipes 2 and 3 inches in diameter lying on the surface of the ground within the buffer zone along the northern, western, and southern boundaries of the site. Small streams of wastewater discharged about 2 feet out of 1/8 inch holes spaced 8 feet apart.

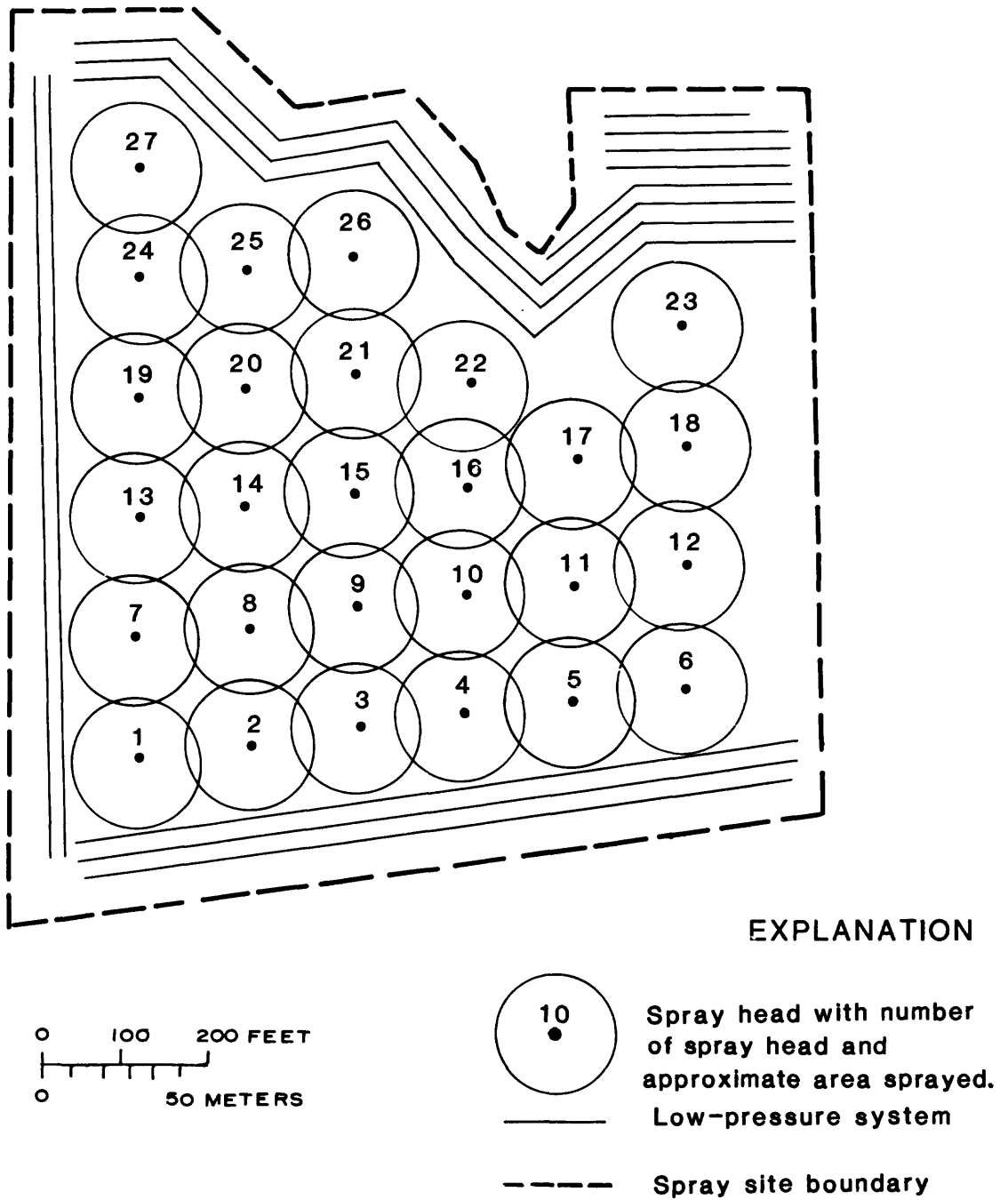


Figure 3.--Configuration of the high-pressure system of spray heads and low-pressure system for wastewater application on the wastewater disposal site.

WASTEWATER APPLICATION

The dates of wastewater application, total gallons of wastewater applied, and equivalent inches of wastewater applied to the wastewater disposal site are given in table 2. Inches of wastewater applied were determined by dividing the gallons of wastewater applied on a date by the area to which wastewater was applied on that date.

Application of wastewater began in January 1983. From January 10 to 20, 1983, a total of 4,220,000 gallons of wastewater was sprayed on the site. This spraying occurred at the beginning of the rainy period and resulted in flooding of the south side of the site and small areas in other parts of the site. Spraying was discontinued and did not resume until April 1, 1983 after the flooded areas dried. From April 1 through August 1, 1983, wastewater was applied at about 2 inches per week during the periods that wastewater was applied. From August 2 through August 15, wastewater was applied at approximately 5 inches per week. Wastewater was not applied on a regular schedule from the middle of August to the end of November. From the end of November through December 18, 1983, wastewater was applied at a rate of approximately 5 inches per week.

SYNOPSIS OF DATA COLLECTED

Water Levels

Water-level hydrographs for the recorder piezometers from October 1982 through December 1983 are shown in figure 4. Figures 5 through 11 show altitudes of the water table in the piezometers located at the spray site on various dates. The water table was highest along an east-west axis running through the center of the site and decreased to the north and south in October 1982 prior to spraying. After spraying began in January 1983, the water table was highest at the center of the site and decreased in all directions.

Water Quality

Specific conductance, pH, and concentrations of dissolved chloride, ammonia, orthophosphate, and other major water-quality constituents and physical properties are shown in table 3.

Table 2.--Wastewater application rates January through December 1983

Date	Thousands of gallons applied	Inches applied	Date	Thousands of gallons applied	Inches applied
January 11	1,431	3.7	July 20-		
13	944	2.4	31	85	.26
18	906	2.3	August 2	232	.71
20	939	2.4	3	232	.71
April 1	202	0.71	4	232	.71
4	143	.50	5	232	.71
5	174	.62	6	232	.71
6	154	.54	7	232	.71
8	242	.86	8	232	.71
11	100	.35	9	232	.71
12	100	.35	10	232	.71
13	100	.35	11	232	.71
15	150	.42	12	232	.71
16	50	.18	13	232	.71
18	115	.41	14	232	.71
21	100	.35	15	232	.71
22	100	.35	September 15-		
25	131	.46	October 25	3,923	12
29	177	.62	October 26	234	.72
April 30-			27	234	.72
May 8	624	2.0	28	232	.71
May 9	158	.56	November 2	199	.61
11	136	.48	28	155	.48
25	98	.35	29	224	.68
27	103	.36	30	8	.02
June 2	101	.36	December 1	232	.71
3	100	.35	2	185	.57
7	110	.39	3	239	.73
8	100	.35	4	239	.73
9	103	.36	5	239	.73
10	133	.47	6	239	.73
13	102	.36	7	235	.72
14	106	.38	14	212	.65
15	90	.32	15	237	.72
June 16-			16	238	.73
July 19	141	.49	17	238	.73
			18	238	.73

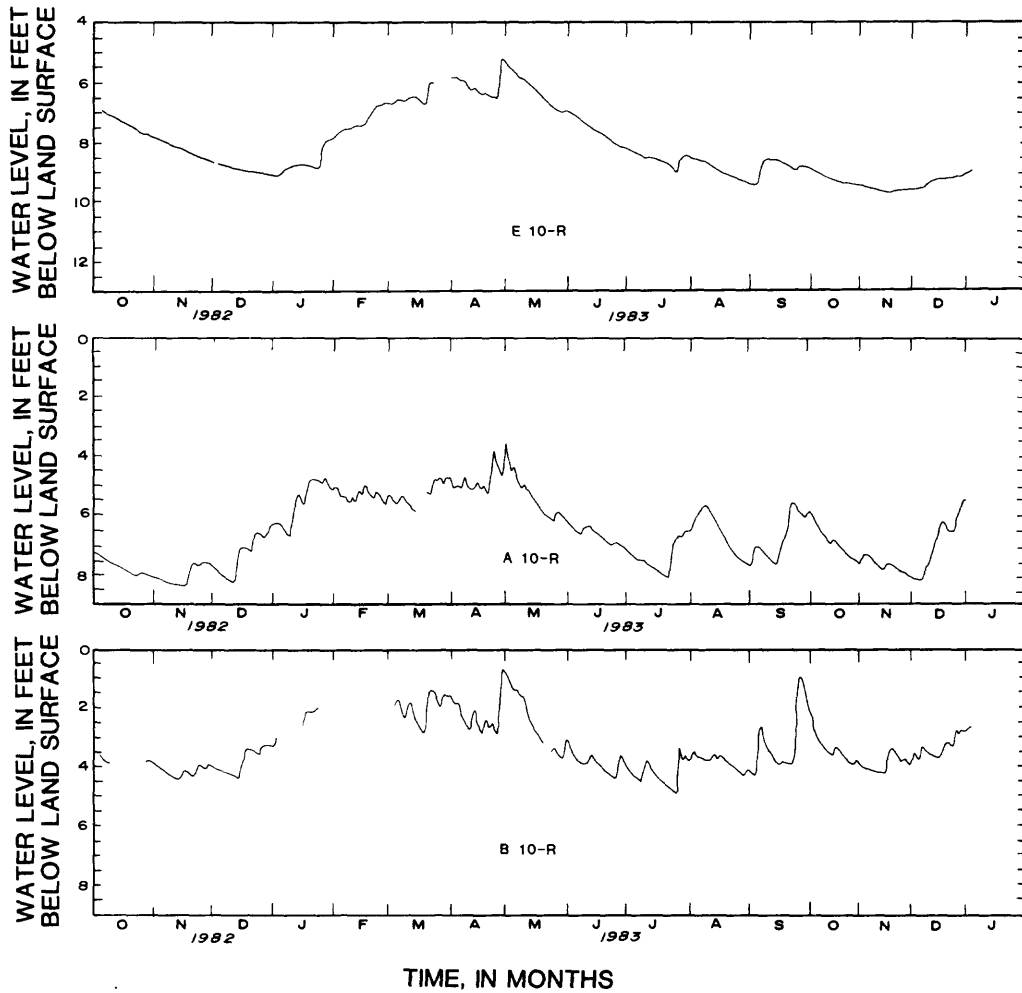


Figure 4. --Water levels in piezometers A10R, B10R, and E10R at the wastewater disposal site October 1982 through December 1983.

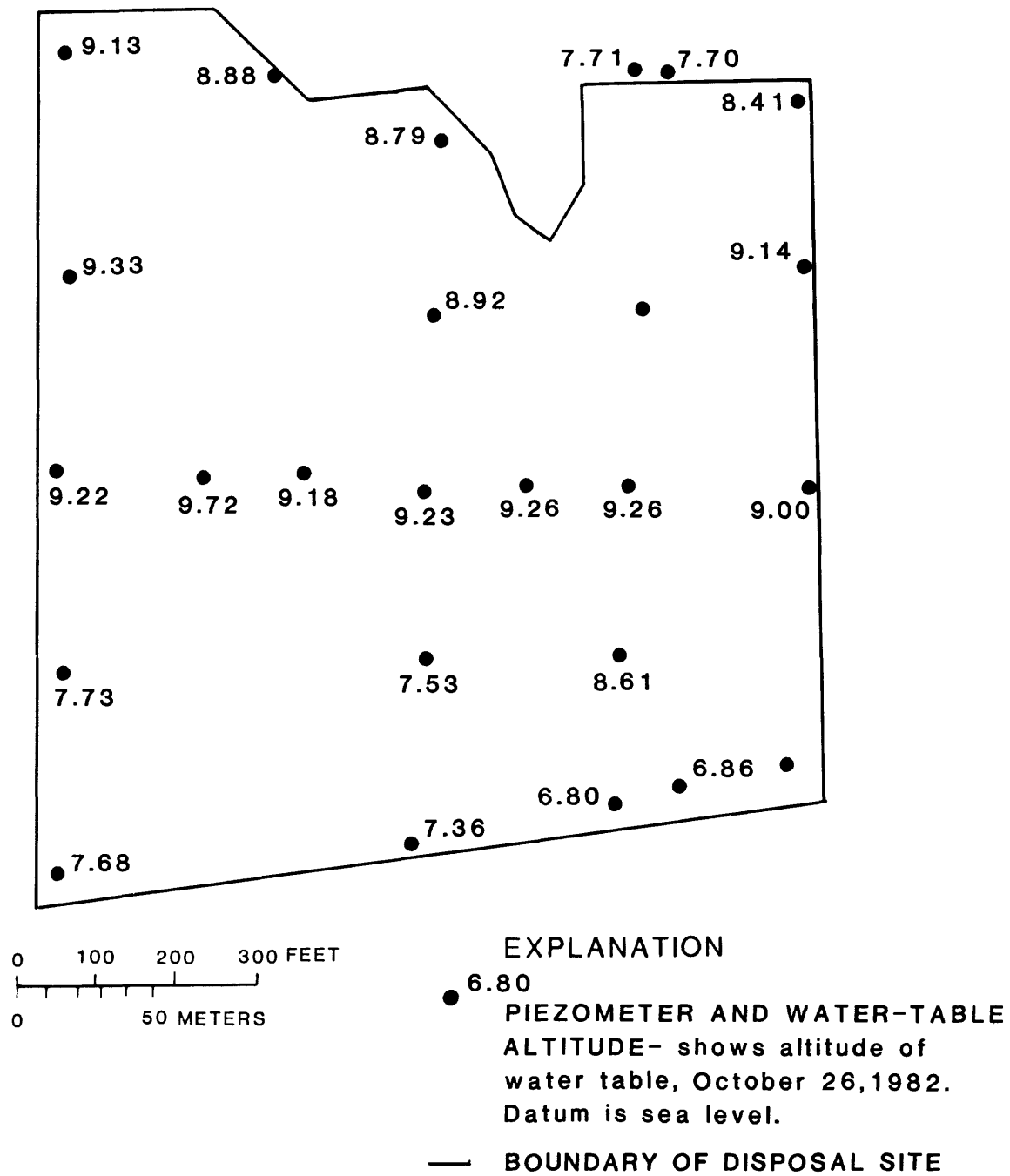


Figure 5. --Water-table altitudes on October 26, 1982, at the wastewater disposal site on Hilton Head Island.

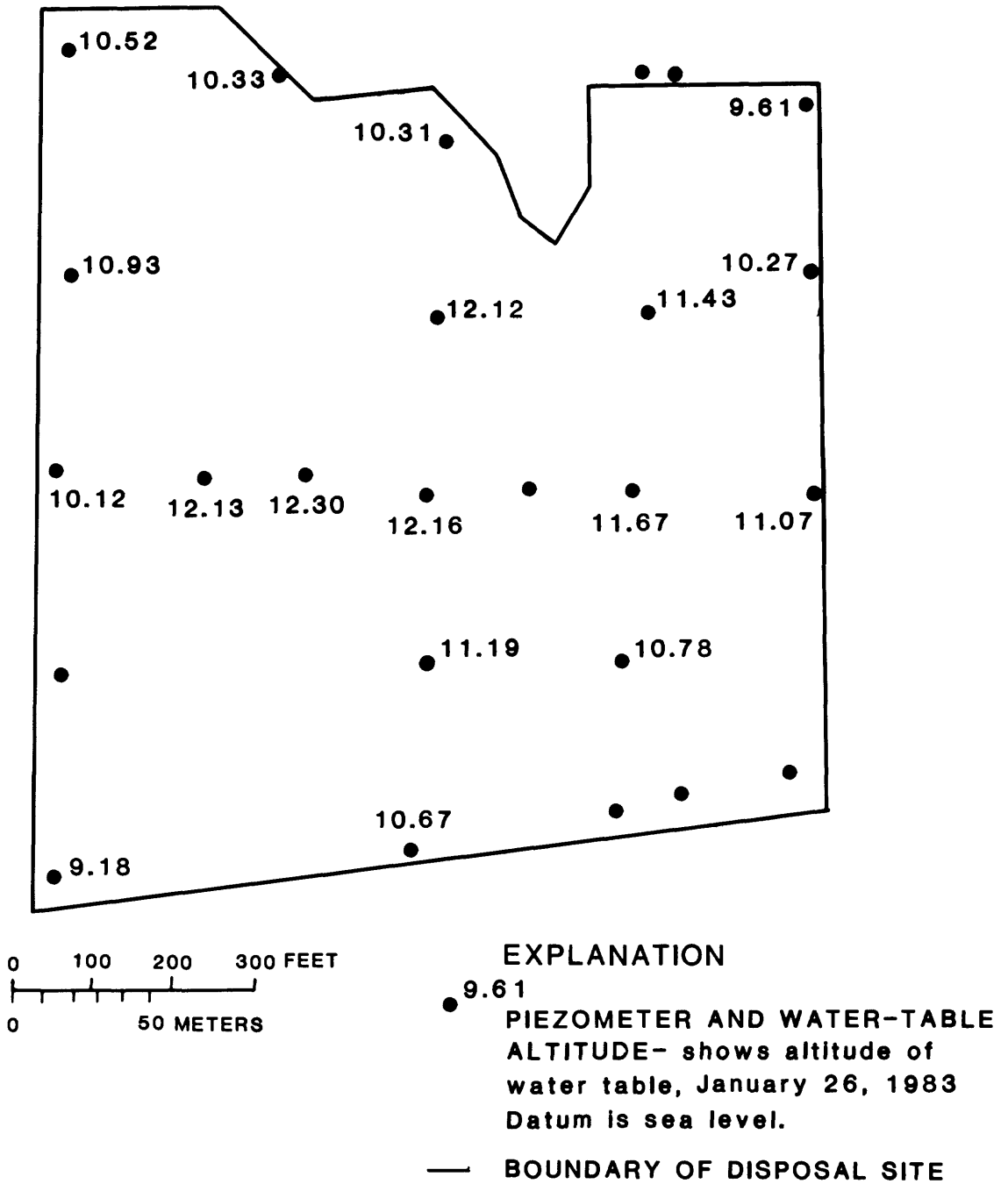


Figure 6. --Water-table altitudes on January 26, 1983, at the wastewater disposal site on Hilton Head Island.

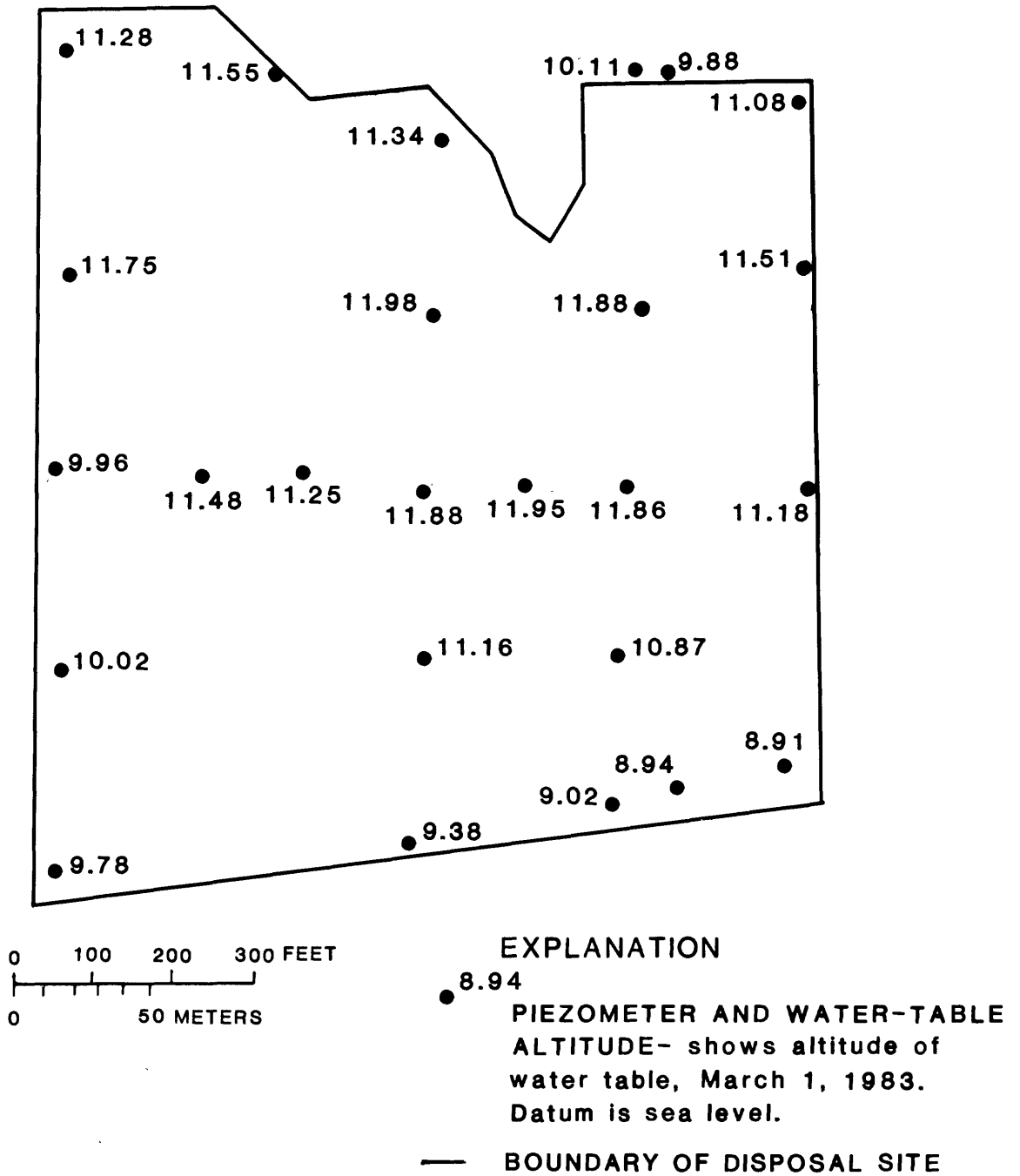


Figure 7. --Water-table altitudes on March 1, 1983, at the wastewater disposal site on Hilton Head Island.

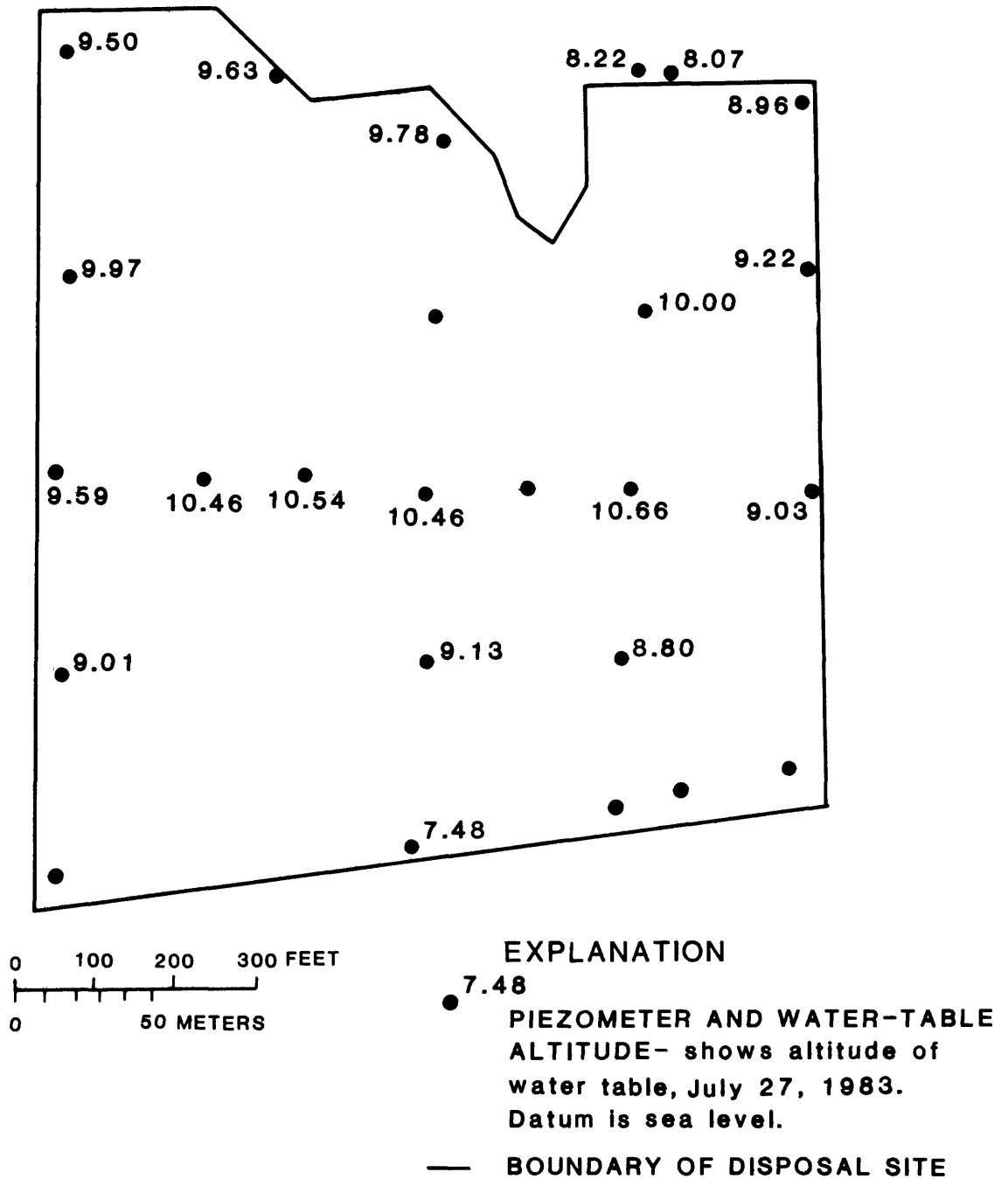


Figure 8. --Water-table altitudes on July 27, 1983, at the wastewater disposal site on Hilton Head Island.

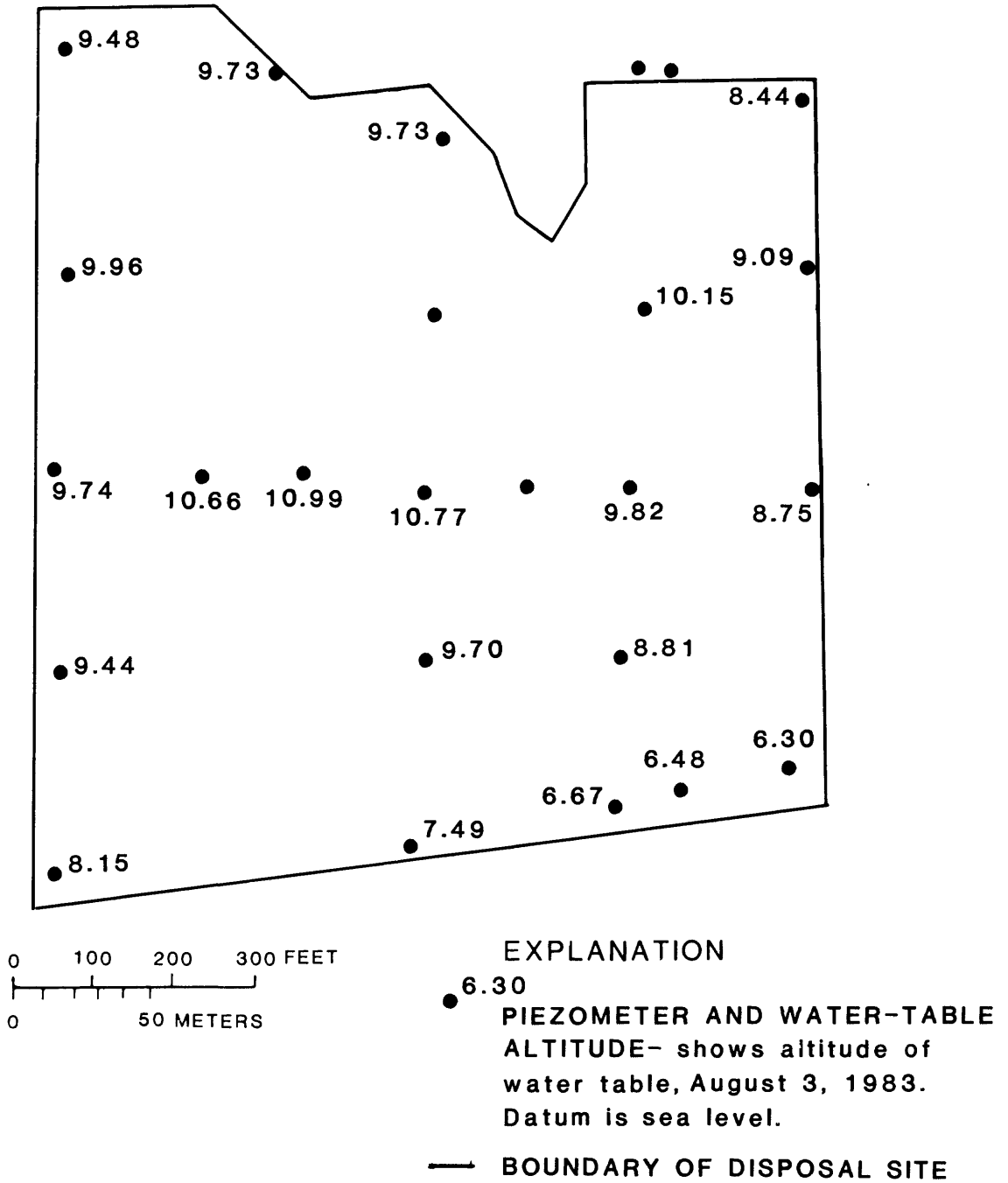


Figure 9. --Water-table altitudes on August 3, 1983, at the wastewater disposal site on Hilton Head Island.

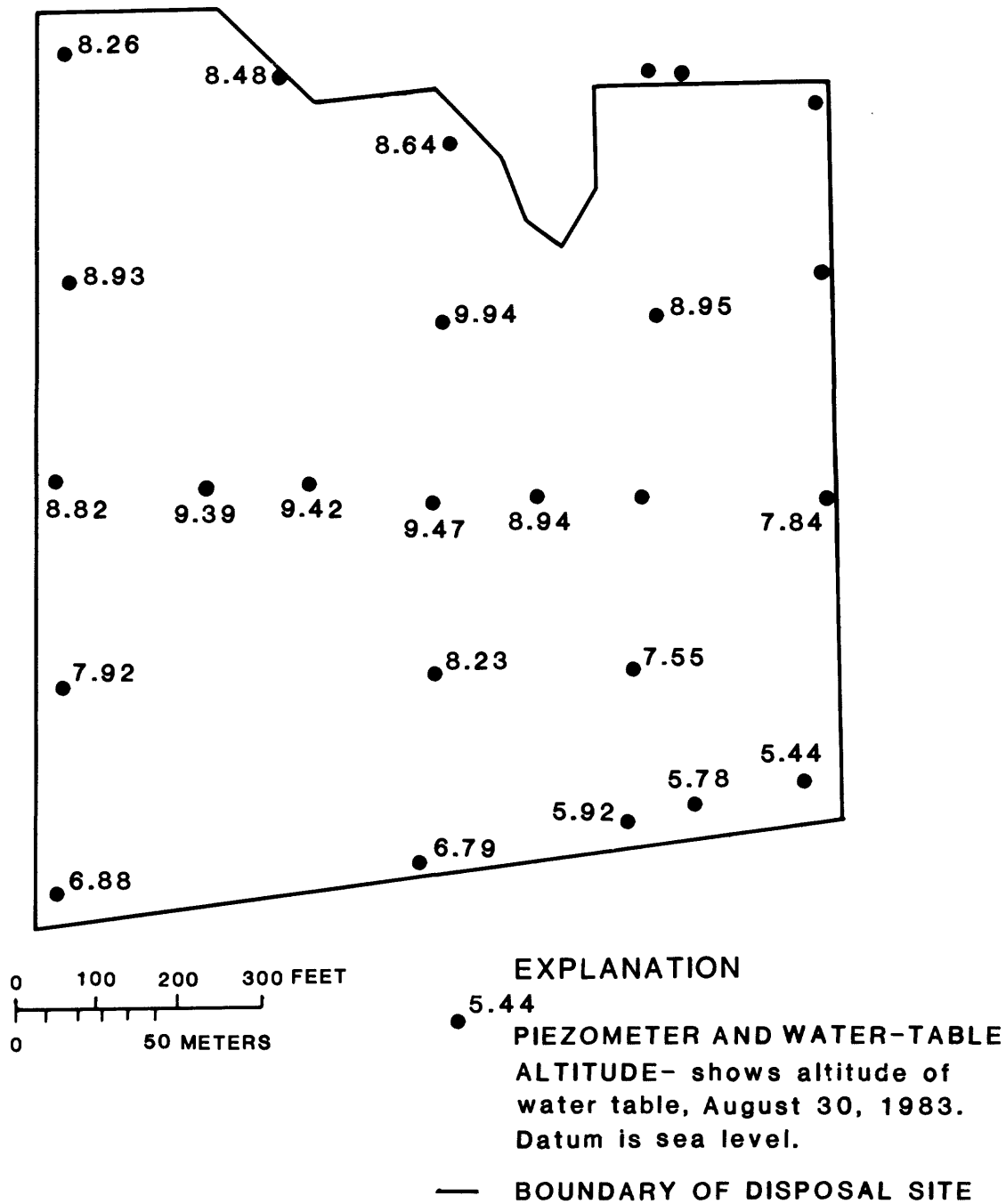


Figure 10. --Water-table altitudes on August 30, 1983, at the wastewater disposal site on Hilton Head Island.

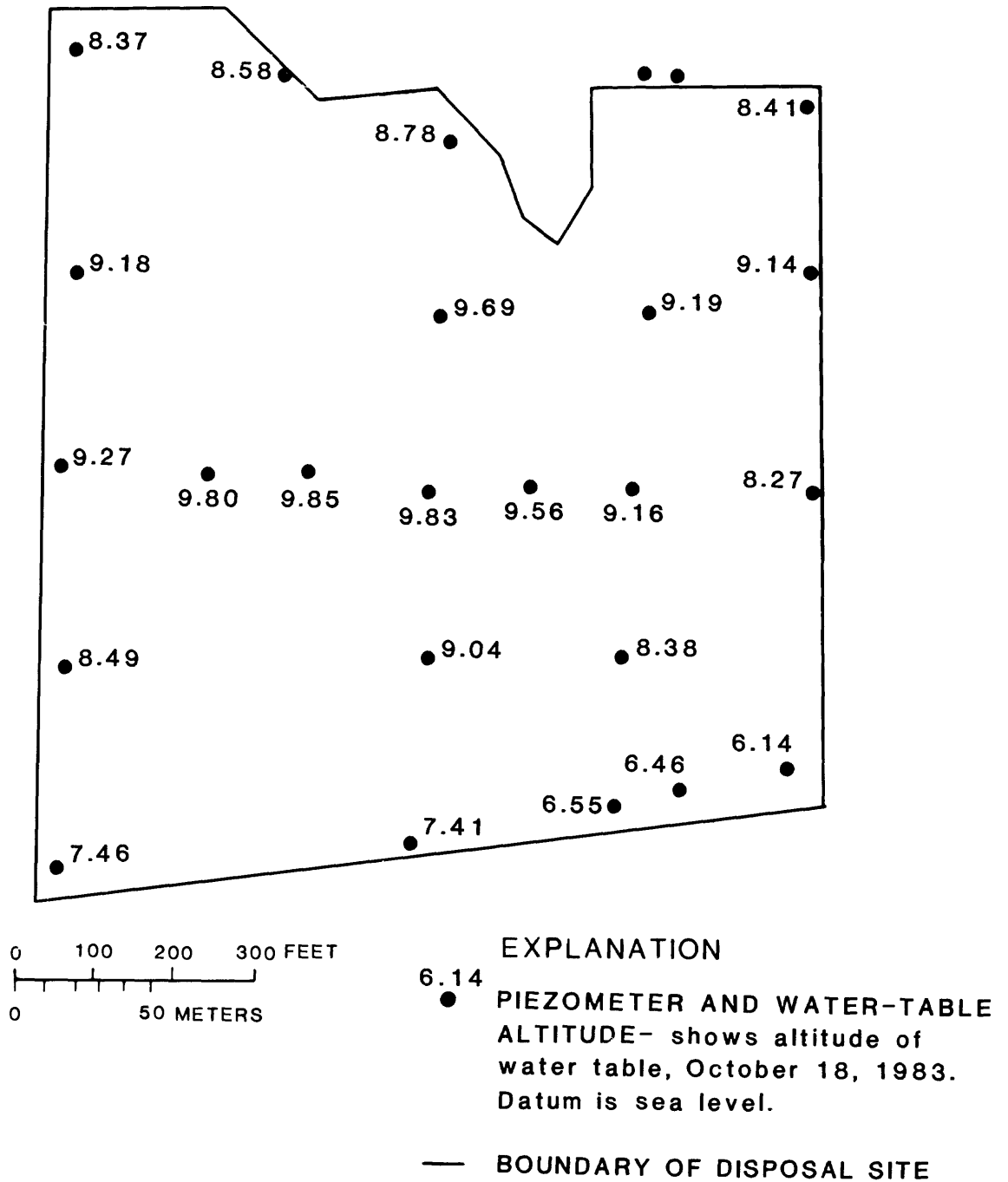


Figure 11. --Water-table altitudes on October 18, 1983, at the wastewater disposal site on Hilton Head Island.

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island

LOCAL IDENTIFIER	STATION NUMBER	DATE OF SAMPLE	TIME	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	PH (STANDARD)	PH LAB (STANDARD)	SPE-CIFIC CON-DUCTANCE LAB (UMHDS)	SPE-CIFIC CON-DUCTANCE LAB (UMHDS)
A 6	321215030423702	82-09-09	--	26.0	--	6.2	6.5	112	114
		82-10-27	--	23.5	--	5.8	7.3	110	109
		83-04-05	--	16.5	--	5.9	6.5	450	499
		83-04-27	1315	--	--	--	6.4	576	278
		83-07-26	1700	6.4	6.5	238			
		83-08-03	1830	6.4	6.7	270			
		83-08-10	1315	6.4	6.5	290			
		83-08-23	1515	6.5	6.5	230			
		83-08-30	1415	6.4	6.2	180			
		83-09-07	1115	6.2	6.3	112			
A10	321215030423703	83-12-20	1400	18.0	--	6.7	6.5	100	936
		84-01-23	1715	14.5	--	--	--	440	--
		82-09-09	--	24.0	--	5.4	5.3	113	108
		82-10-27	--	23.5	--	5.2	6.3	39	75
		83-04-05	--	18.0	--	5.5	5.3	130	120
		83-04-27	1245	19.0	--	--	5.5	110	128
		83-07-26	1645	21.5	6.4	5.5	5.4	138	189
		83-08-03	1800	21.5	6.1	5.3	5.3	130	185
		83-08-10	1300	22.0	6.0	5.4	5.3	154	173
		83-08-23	1445	22.5	6.1	5.4	5.4	155	160
A15	321215030423704	83-08-23	1500	22.5	6.1	5.4	5.4	155	157
		83-08-30	1345	22.0	6.1	5.5	5.3	140	152
		83-09-07	1100	22.5	6.0	5.5	5.2	164	148
		83-12-20	1365	20.0	6.1	5.8	5.4	130	144
		84-01-23	1700	17.5	6.4	--	--	110	--
		82-09-09	--	23.0	--	5.5	5.8	52	50
		82-10-27	--	23.5	--	4.7	6.5	54	42
		83-04-05	--	18.0	--	5.4	5.4	112	102
		83-04-27	1200	19.5	--	--	5.3	99	97
		83-07-26	1600	20.0	6.3	5.5	5.2	171	187
A20	321215030423705	83-08-03	1745	20.0	6.1	5.2	4.7	150	154
		83-08-10	1245	20.5	6.0	5.3	5.3	154	153
		83-08-17	1315	20.5	6.1	5.5	5.1	150	193
		83-08-23	1445	20.5	6.1	5.3	5.2	190	213
		83-08-30	1330	20.5	6.1	5.3	5.1	145	213
		83-09-07	1015	21.5	6.0	5.4	5.1	200	217
		83-09-07	1030	21.5	6.0	5.4	5.0	200	216
		83-12-20	1330	20.5	6.2	5.5	5.3	250	214
		84-01-23	1645	19.5	6.3	--	--	150	--
		82-09-09	--	22.5	--	5.8	6.0	73	72

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	DATE OF SAMPLE	CALCIUM		MAGNESIUM		SODIUM		POTASSIUM		CHLORIDE		SULFATE		FERRIC		SILICA		PHOSPHORUS	
		DIS-SOLVED (MG/L AS CA)	SOLVED (MG/L AS CA)	DIS-SOLVED (MG/L AS MG)	SOLVED (MG/L AS NA)	DIS-SOLVED (MG/L AS NA)	SOLVED (MG/L AS NA)	DIS-SOLVED (MG/L AS K)	SOLVED (MG/L AS K)	DIS-SOLVED (MG/L AS CL)	SOLVED (MG/L AS CL)	DIS-SOLVED (MG/L AS S04)	SOLVED (MG/L AS S04)	DIS-SOLVED (MG/L AS F)	SOLVED (MG/L AS F)	DIS-SOLVED (MG/L AS P)	SOLVED (MG/L AS P)	DIS-SOLVED (MG/L AS P)	SOLVED (MG/L AS P)
A 6	82-09-09	20		.47	3.5			<.10		4.1		5.0		<.10		3.5		.040	
	82-10-27	--		--	--	--	--	--	--	3.9		--		--		--		<.010	
	83-04-05	--		--	--	--	--	--	--	110		--		--		--		.030	
	83-04-27	--		--	--	--	--	--	--	110		--		--		--		.050	
	83-07-26	--		--	--	--	--	--	--	19		--		--		--		.030	
	83-08-03	--		--	--	--	--	--	--	25		--		--		--		.040	
	83-08-10	--		--	--	--	--	--	--	26		--		--		--		.030	
A10	83-08-23	--		--	--	--	--	--	--	24		--		--		--		.020	
	83-08-30	--		--	--	--	--	--	--	19		--		--		--		.010	
	83-09-07	39		1.1	11			<.10		21	22			<.10		3.3		.030	
	83-12-20	--		--	--	--	--	--	--	180		--		<.10		--		<.010	
	84-01-23	--		--	--	--	--	--	--	160		--		--		--		.030	
	82-09-09	4.5		2.8	10			<.10		17	10			<.10		4.9		.020	
	82-10-27	--		--	--	--	--	--	--	17		--		--		--		<.010	
	83-04-05	--		--	--	--	--	--	--	27		--		--		--		<.010	
	83-04-27	--		--	--	--	--	--	--	25		--		--		--		.020	
	83-07-26	--		--	--	--	--	--	--	43		--		--		--		.020	
A15	83-08-03	--		--	--	--	--	--	--	41		--		--		--		.020	
	83-08-10	--		--	--	--	--	--	--	36		--		--		--		.020	
	83-08-23	--		--	--	--	--	--	--	28		--		--		--		.020	
	83-08-23	--		--	--	--	--	--	--	27		--		--		--		.010	
	83-08-30	--		--	--	--	--	--	--	26		--		--		--		<.010	
	83-09-07	6.8		3.0	14			.40		23	22			<.10		4.6		.020	
	83-12-20	--		--	--	--	--	--	--	21		--		<.10		--		<.010	
	84-01-23	--		--	--	--	--	--	--	21		--		--		--		--	
	82-09-09	3.1		.79	5.0			<.10		8.8	<1.0			<.10		4.9		.190	
	82-10-27	--		--	--	--	--	--	--	9.6		--		--		--		.120	
83-04-05	--		--	--	--	--	--	--	26		--		--		--		.090		
83-04-27	--		--	--	--	--	--	--	23		--		--		--		.150		
83-07-26	--		--	--	--	--	--	--	48		--		--		--		.120		
A20	83-08-03	--		--	--	--	--	--	--	41		--		--		--		.120	
	83-08-10	--		--	--	--	--	--	--	40		--		--		--		.120	
	83-08-17	--		--	--	--	--	--	--	53		--		--		--		.070	
	83-09-23	--		--	--	--	--	--	--	57		--		--		--		.080	
	83-08-30	--		--	--	--	--	--	--	58		--		--		--		.050	
	83-09-07	7.7		4.1	21			.50		58	4.6			.20		5.0		.080	
	83-09-07	8.0		4.1	21			.60		59	4.9			.20		5.0		.090	
83-12-20	--		--	--	--	--	--	--	46		--		--		--		.030		
84-01-23	--		--	--	--	--	--	--	42		--		--		--		.090		
82-09-09	3.8		1.3	7.0			.50		11	1.0			.20		7.3		.170		

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	DATE OF SAMPLE	NITRO-GEN, AM-ONIA		NITRO-GEN, ORG-ANIC		NITRO-GEN, DIS-SOLVED		NITRO-GEN, NO2+NO3		NITRO-GEN, DIS-SOLVED	
		MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N
A 6	32-09-09	.30	.020	.28	<.10	<.10	<.10	<.10	<.10	<.10	<.10
	32-10-27	.10	<.010	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
	33-04-05	.10	.010	.09	.08	.08	.08	.08	.08	.08	.08
	33-04-27	.10	.020	.08	.08	.08	.08	.08	.08	.08	.08
	33-07-26	.20	<.010	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
A 10	33-08-03	.20	.020	.18	.020	.18	.020	.18	.020	.18	.020
	33-08-10	.40	.010	.39	.010	.39	.010	.39	.010	.39	.010
	33-08-23	.10	.020	.08	.020	.08	.020	.08	.020	.08	.020
	33-08-30	.40	.020	.38	.020	.38	.020	.38	.020	.38	.020
	33-09-07	.50	<.010	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
A 15	33-12-20	.30	<.010	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
	34-01-23	<.10	.020	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
	32-09-09	<.10	.080	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
	32-10-27	.30	.060	.24	.060	.24	.060	.24	.060	.24	.060
	33-04-05	.40	.100	.30	.100	.30	.100	.30	.100	.30	.100
A 20	33-04-27	.10	.110	.03	.110	.03	.110	.03	.110	.03	.110
	33-07-26	.30	.110	.19	.110	.19	.110	.19	.110	.19	.110
	33-08-03	.20	.120	.08	.120	.08	.120	.08	.120	.08	.120
	33-08-10	.20	.110	.09	.110	.09	.110	.09	.110	.09	.110
	33-08-23	<.10	.130	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
A 20	33-08-30	.40	.100	.30	.100	.30	.100	.30	.100	.30	.100
	33-09-07	.30	.090	.21	.090	.21	.090	.21	.090	.21	.090
	33-12-20	.50	.040	.46	.040	.46	.040	.46	.040	.46	.040
	34-01-23	--	--	--	--	--	--	--	--	--	--
	32-09-09	<.10	.110	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
A 20	32-10-27	.40	.180	.22	.180	.22	.180	.22	.180	.22	.180
	33-04-05	.30	.220	.03	.220	.03	.220	.03	.220	.03	.220
	33-04-27	.20	.180	.02	.180	.02	.180	.02	.180	.02	.180
	33-07-26	.30	.200	.10	.200	.10	.200	.10	.200	.10	.200
	33-08-03	.30	.240	.06	.240	.06	.240	.06	.240	.06	.240
A 20	33-08-10	.20	.230	.03	.230	.03	.230	.03	.230	.03	.230
	33-08-17	1.7	.280	1.4	.280	1.4	.280	1.4	.280	1.4	.280
	33-08-23	.20	.290	.09	.290	.09	.290	.09	.290	.09	.290
	33-08-30	.30	.300	.00	.300	.00	.300	.00	.300	.00	.300
	33-09-07	.50	.330	.17	.330	.17	.330	.17	.330	.17	.330
A 20	33-09-07	.60	.310	.29	.310	.29	.310	.29	.310	.29	.310
	33-12-20	<.10	.080	--	<.10	<.10	<.10	<.10	<.10	<.10	<.10
	34-01-23	.40	.130	.27	.130	.27	.130	.27	.130	.27	.130
32-09-09	.50	.170	.33	.170	.33	.170	.33	.170	.33	.170	

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	STATION NUMBER	DATE OF SAMPLE	TIME	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	P4 (STAND-ARD) (UNITS)	PH LAB (STAND-ARD) (UNITS)	SPE-CIFIC CON-DUCT-ANCE (UMHDS)	SPE-CIFIC CON-DUCT-ANCE (UMHDS)
A20	321215030423705	32-10-27	--	23.5	--	4.9	6.3	77	53
		33-04-27	1230	19.5	--	--	6.6	71	70
		33-07-25	1500	19.5	.3	5.3	5.5	31	78
		33-08-03	1730	19.5	.0	5.5	--	94	--
		33-08-03	1745	19.5	.0	5.5	--	94	--
		33-08-10	1215	20.0	.1	5.8	5.7	73	73
		33-08-17	1300	19.5	--	--	5.5	32	74
		33-08-23	1430	20.0	.1	5.7	5.5	35	80
		33-08-30	1315	20.0	.1	5.9	5.3	59	74
		33-09-07	1000	19.5	.0	5.8	5.4	35	80
A30	321215030423706	33-12-20	1315	20.5	.2	6.2	5.4	125	123
		34-01-23	1630	--	--	--	--	--	--
		32-09-09	--	23.0	--	6.7	7.0	175	175
		32-10-27	--	24.0	--	6.0	5.8	150	159
		33-04-05	--	19.5	--	6.2	6.2	175	174
		33-07-25	1400	19.5	.2	6.7	6.5	152	157
		33-08-03	1700	20.0	.1	6.5	7.3	170	166
		33-08-10	1200	20.0	.0	6.7	6.5	159	153
		33-08-17	1230	20.0	.0	6.9	6.7	136	168
		33-08-17	1245	20.0	.0	6.9	6.4	136	157
B 3	321212030423701	33-08-23	1400	20.0	.1	6.7	6.5	135	159
		33-08-30	1300	20.0	.1	6.8	6.3	145	164
		33-09-07	0930	20.0	.0	6.7	6.3	154	167
		33-12-20	1300	20.5	.2	6.8	6.5	200	170
		34-01-23	1615	20.5	.3	--	--	115	--
		33-04-05	--	16.0	--	6.5	6.4	255	264
		33-04-27	1630	16.5	--	--	6.8	152	132
		33-07-27	1230	23.0	.3	7.2	--	278	--
		33-08-04	1200	23.5	--	7.2	7.3	278	214
		33-08-10	1115	23.5	--	7.3	7.0	130	174
B 5	321212030423702	33-08-16	1415	24.0	--	7.1	7.0	170	162
		33-09-07	1600	24.5	.0	6.9	6.5	130	184
		33-12-20	1715	16.0	.1	6.5	6.1	300	286
		32-09-09	--	23.0	--	6.0	6.3	141	148
		32-10-28	--	21.0	--	6.0	6.8	128	123
		33-04-06	--	17.0	--	6.2	6.1	220	225
		33-04-27	1615	16.5	--	--	6.4	205	202
		33-07-27	1215	22.0	.2	6.3	6.1	152	155
		33-08-04	1145	21.5	.0	6.3	6.0	150	149
		33-08-10	1100	22.5	.0	6.2	6.5	155	143

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	DATE OF SAMPLE	CALCIUM		MAGNE-		POTAS-		CHLO-		SULFATE		F-UO-		SILICA,		PHOS-		
		DIS-	SOLVED	SIUM,	SODIUM,	SIUM,	DIS-	SOLVED	RIDE,	DIS-	DIS-	DIS-	RIDE,	DIS-	DIS-	PHORUS,	PHORUS,	
		(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	AS P)
		AS CA)	AS NA)	AS K)	AS CL)	AS SO4)	AS P)	AS P)	AS P)	AS P)	AS P)	AS P)	AS P)	AS P)	AS P)	AS P)	AS P)	AS P)
A 20	82-10-27	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.130	
	83-04-27	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	.130	
	83-07-26	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	.210	
	83-08-23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	83-08-23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.200	
	83-08-10	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.200	
	83-08-17	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.180	
	83-08-23	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.170	
	83-08-30	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	.160	
	83-09-27	3.8	7.4	.70	15	1.3	.20	7.4	--	--	--	--	--	--	--	--	.190	
	83-12-20	--	--	--	30	--	--	--	--	--	--	--	--	--	--	--	.130	
	84-01-23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.130	
A 30	82-09-29	22	9.1	.50	15	1.0	.40	16	--	--	--	--	--	--	--	--	.480	
	82-10-27	--	--	--	20	--	--	--	--	--	--	--	--	--	--	--	.130	
	83-04-25	--	--	--	19	--	--	--	--	--	--	--	--	--	--	--	.440	
	83-07-26	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.460	
	83-08-23	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	.360	
	83-08-30	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	.320	
	83-09-27	20	8.4	.60	17	3.3	.40	15	--	--	--	--	--	--	--	--	.600	
	83-12-20	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.410	
	84-01-23	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.400	
B 3	83-04-26	--	--	--	30	--	--	--	--	--	--	--	--	--	--	--	.080	
	83-04-27	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	.110	
	83-07-27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	83-08-24	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.050	
	83-08-10	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	.040	
	83-08-16	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	.030	
	83-09-27	18	11	1.3	14	7.2	<.10	5.9	--	--	--	--	--	--	--	--	.020	
	83-12-20	--	--	--	53	--	--	--	--	--	--	--	--	--	--	--	.110	
B 5	82-09-29	19	5.7	<.10	17	16	<.10	2.3	--	--	--	--	--	--	--	--	.020	
	82-10-28	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	<.010	
	83-04-26	--	--	--	30	--	--	--	--	--	--	--	--	--	--	--	.020	
	83-04-27	--	--	--	12	--	--	--	--	--	--	--	--	--	--	--	.030	
	83-07-27	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.020	
	83-08-24	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.020	
	83-08-10	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.020	
	83-08-24	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	.020	
	83-08-10	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	.010	

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	DATE OF SAMPLE	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)		NITRO-GEN, ORGANIC SOLVED (MG/L AS N)		NITRO-GEN, NO ₂ +NO ₃ DIS. SOLVED (MG/L AS N)		NITRO-GEN, NITRITE DIS. SOLVED (MG/L AS NO ₂)	
		GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	GEN, ORGANIC SOLVED (MG/L AS N)	GEN, ORGANIC SOLVED (MG/L AS N)	GEN, NO ₂ +NO ₃ DIS. SOLVED (MG/L AS N)	GEN, NO ₂ +NO ₃ DIS. SOLVED (MG/L AS N)	GEN, NITRITE DIS. SOLVED (MG/L AS NO ₂)	GEN, NITRITE DIS. SOLVED (MG/L AS NO ₂)
A 20	32-10-27	.30	.170	.13	.13	<.10	<.10	--	--
	33-04-27	.20	.180	.02	.02	<.10	<.10	--	--
	33-07-26	.50	.180	.32	.32	<.10	<.10	--	--
	33-08-03	.30	.210	.09	.09	<.10	<.10	--	--
	33-08-03	.30	.210	.09	.09	<.10	<.10	--	--
	33-03-10	.40	.200	.20	.20	<.10	<.10	--	--
	33-03-17	.50	.190	.31	.31	<.10	<.10	--	--
	33-03-23	.30	.210	.09	.09	<.10	<.10	--	--
	33-08-30	.20	.210	.00	.00	<.10	<.10	--	--
	33-09-07	.90	.180	.72	.72	<.10	<.10	--	--
A 30	33-12-20	.40	.210	.19	.19	<.10	<.10	--	--
	34-01-23	.30	.230	.07	.07	<.10	<.10	--	--
B 3	32-09-09	.10	.270	.17	.17	<.10	<.10	--	--
	32-10-27	.60	.340	.26	.26	<.10	<.10	--	--
	33-04-05	.30	.280	.02	.02	<.10	<.10	--	--
	33-07-26	.50	.300	.20	.20	<.10	<.10	--	--
	33-08-03	.50	.320	.18	.18	<.10	<.10	--	--
	33-08-10	.40	.300	.10	.10	<.10	<.10	--	--
	33-03-17	1.4	.270	1.1	1.1	<.10	<.10	--	--
	33-08-17	.50	.270	.23	.23	<.10	<.10	--	--
	33-03-23	.30	.270	.03	.03	<.10	<.10	--	--
	33-03-30	.30	.260	.04	.04	<.10	<.10	--	--
B 5	33-09-07	.40	.280	.12	.12	<.10	<.10	--	--
	33-12-20	.40	.340	.06	.06	<.10	<.10	--	--
	34-01-23	.70	.230	.47	.47	<.10	<.10	--	--
	33-04-06	.80	.280	.52	.52	<.10	<.10	--	--
B 5	33-04-27	.60	.190	.41	.41	<.10	<.10	--	--
	33-07-27	--	--	--	--	--	--	--	--
	33-03-04	.70	.290	.41	.41	<.10	<.10	.03	.03
	33-08-10	.90	.230	.67	.67	<.10	<.10	.07	.07
	33-08-16	.60	.220	.38	.38	<.10	<.10	--	--
	33-09-07	.80	.240	.56	.56	<.10	<.10	--	--
	33-12-20	.30	.090	.21	.21	.29	.29	.13	.13
	32-09-09	.30	.060	.24	.24	<.10	<.10	--	--
	32-10-23	.50	.030	.47	.47	<.10	<.10	--	--
	33-04-05	.40	.190	.21	.21	<.10	<.10	--	--
33-04-27	.40	.220	.18	.18	<.10	<.10	--	--	
33-07-27	.30	.040	.25	.25	<.10	<.10	--	--	
33-03-04	.20	.080	.12	.12	<.10	<.10	--	--	
33-03-10	.50	.040	.46	.46	<.10	<.10	--	--	

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	STATION NUMBER	DATE OF SAMPLE	TIME	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	PH (STANDARD)	PH LAB (STANDARD-ARD UNITS)	SPE-		SPE-	
								CON-DUCT-ANCE LAB (UMHDS)	DUCT-ANCE LAB (UMHDS)	CIFIC CON-DUCT-ANCE LAB (UMHDS)	CIFIC CON-DUCT-ANCE LAB (UMHDS)
B 5	321212030423702	83-08-16	1600	22.5	.0	6.4	6.5	140	136		
		83-08-24	1200	23.5	--	6.0	6.1	120	138		
		83-08-31	1145	23.5	--	6.2	6.0	120	145		
		83-09-07	1530	23.5	.0	6.2	5.9	143	143		
		83-12-20	1700	16.5	.3	6.2	6.0	240	270		
B10	321212030423703	82-09-09	--	22.0	--	5.6	6.0	139	136		
		82-10-28	--	21.0	--	5.7	5.3	130	124		
		83-04-06	--	17.0	--	5.4	5.4	320	358		
		83-04-27	1545	19.0	--	--	5.4	300	294		
		83-07-27	1145	19.5	.1	5.8	5.4	110	105		
		83-08-04	1130	19.5	.0	5.9	--	120	187		
		83-08-10	1045	19.0	.0	5.8	5.6	120	118		
		83-08-15	1330	20.0	.0	5.7	5.4	97	127		
		83-08-15	1345	20.0	.0	5.7	6.0	97	123		
		83-08-24	1145	20.5	.0	5.6	5.5	110	134		
B15	321212030423704	83-08-31	1130	20.5	.0	5.6	5.6	110	133		
		83-09-07	1500	20.5	.0	5.8	5.3	140	138		
		83-12-20	1645	18.5	.2	5.9	5.6	155	141		
		82-09-09	--	21.5	--	6.7	7.2	150	212		
		82-10-28	--	20.0	--	6.7	7.7	135	163		
B25	321212030423705	83-04-06	--	17.0	--	6.2	6.0	170	152		
		83-04-27	1530	17.0	--	--	6.1	145	150		
		83-07-27	1130	18.5	.1	6.9	6.5	132	178		
		83-08-04	1100	18.5	.0	7.0	7.1	131	187		
		83-08-10	1030	18.5	.0	--	7.0	200	213		
		83-08-15	1315	18.5	.0	7.1	6.3	150	192		
		83-08-24	1130	19.0	.0	6.7	6.3	135	205		
		83-08-31	1115	19.5	.0	6.8	6.5	150	180		
		83-09-07	1415	20.0	.0	6.5	6.1	177	166		
		83-12-20	1630	19.0	.5	7.4	6.4	135	165		
B25	321212030423705	82-09-09	1150	21.5	--	7.5	7.5	335	328		
		82-10-28	--	19.0	--	7.5	5.9	340	330		
		83-04-06	--	17.0	--	6.5	6.8	310	326		
		83-04-27	1515	18.0	--	--	7.4	330	331		
		83-07-27	1115	18.5	.0	7.4	7.4	292	324		
B25	321212030423705	83-08-04	1045	18.5	.0	7.7	8.3	320	327		
		83-08-10	1000	18.5	.0	7.5	7.5	310	324		
		83-08-16	1245	18.5	.1	7.6	7.4	290	325		
		83-08-24	1115	18.5	.1	7.5	7.4	260	332		
		83-08-31	1100	18.5	.1	7.5	7.4	230	325		

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	DATE OF SAMPLE	CALCIUM		MAGNE-		SODIUM,		POTAS-		CHLO-		SULFATE		F-JUO-		SILICA,		PHOS-	
		DIS-	SOLVED	SIUM,	DIS-	AS NA	AS K	AS CL	DIS-	AS S04	RIDE,	AS F	DIS-	AS P	PHOS-	PHOS-	PHOS-	PHOS-	PHOS-
		(MG/L AS CA)	(MG/L AS NA)	(MG/L AS MG)	(MG/L AS NA)	(MG/L AS K)	(MG/L AS CL)	(MG/L AS S04)	(MG/L AS F)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)
3 5	83-08-16	--	--	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	.010
	83-08-24	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	.020
	83-08-31	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.020
	83-09-07	17	7.2	--	--	.10	19	10	<.10	3.0	<.010	--	--	--	--	--	--	--	.010
83-12-20	--	--	--	--	--	57	--	--	--	--	--	--	--	--	--	--	--	<.010	
810	82-09-09	7.4	13	1.4	<.10	<.10	16	17	<.10	4.0	<.10	4.0	<.10	4.0	<.10	4.0	4.0	4.0	.050
	82-10-28	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	.020
	83-04-06	--	--	--	--	--	84	--	--	--	--	--	--	--	--	--	--	--	.010
	83-04-27	--	--	--	--	--	59	--	--	--	--	--	--	--	--	--	--	--	.020
	83-07-27	--	--	--	--	--	19	--	--	--	--	--	--	--	--	--	--	--	.040
	83-08-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.040
	83-08-10	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	.050
83-08-16	--	--	--	--	--	23	--	--	--	--	--	--	--	--	--	--	--	.030	
83-08-16	--	--	--	--	--	23	--	--	--	--	--	--	--	--	--	--	--	.030	
83-08-24	--	--	--	--	--	24	--	--	--	--	--	--	--	--	--	--	--	.040	
83-08-31	--	--	--	--	--	25	--	--	--	--	--	--	--	--	--	--	--	.040	
83-09-07	10	11	1.2	.20	.20	25	25	11	<.10	3.2	<.10	3.2	<.10	3.2	<.10	3.2	3.2	.060	
83-12-20	--	--	--	--	--	25	25	--	--	--	--	--	--	--	--	--	--	--	.020
815	82-09-09	30	9.9	1.6	.40	.40	14	<1.0	.40	9.2	.40	9.2	<1.0	.40	.40	.40	.40	.40	.030
	82-10-28	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.030
	83-04-06	--	--	--	--	--	20	--	--	--	--	--	--	--	--	--	--	--	.150
	83-04-27	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	.120
	83-07-27	--	--	--	--	--	19	--	--	--	--	--	--	--	--	--	--	--	.080
	83-08-04	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.040
	83-08-10	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	.050
83-08-16	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	.030	
83-08-24	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	.020	
83-08-31	--	--	--	--	--	19	--	--	--	--	--	--	--	--	--	--	--	.030	
83-09-07	19	10	1.4	.60	.60	20	20	3.6	.30	9.4	.30	9.4	.30	.30	.30	.30	.30	.040	
83-12-20	--	--	--	--	--	20	20	--	--	--	--	--	--	--	--	--	--	--	.030
825	82-09-09	51	12	3.0	.80	.80	15	<1.0	.30	24	.30	24	<1.0	.30	.30	.30	.30	.30	.030
	82-10-28	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	.180
	83-04-06	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.050
	83-04-27	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	.010
	83-07-27	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.030
83-08-04	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.040	
83-08-10	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.020	
83-08-16	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.010	
83-08-24	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.010	
83-08-31	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	.020	

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	DATE OF SAMPLE	NITRO-GEN/AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N)		NITRO-GEN/ORGANIC DIS-SOLVED (MG/L AS N)		NITRO-GEN/NO ₂ +NO ₃ DIS-SOLVED (MG/L AS N)		NITRO-GEN/NITRITE DIS-SOLVED (MG/L AS NO ₂)	
		GEN/AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N)	AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	GEN/ORGANIC DIS-SOLVED (MG/L AS N)	ORGANIC DIS-SOLVED (MG/L AS N)	GEN/NO ₂ +NO ₃ DIS-SOLVED (MG/L AS N)	NO ₂ +NO ₃ DIS-SOLVED (MG/L AS N)	GEN/NITRITE DIS-SOLVED (MG/L AS NO ₂)	NITRITE DIS-SOLVED (MG/L AS NO ₂)
9 5	33-03-15	.33	.030	.27	.27	<.10	<.10	--	--
	33-03-24	.10	.140	-.04	-.04	<.10	<.10	.07	.07
	33-03-31	.10	.060	.04	.04	<.10	<.10	.03	.03
	33-03-07	.40	.020	.38	.38	<.10	<.10	--	--
33-12-20	.20	<.010	--	--	<.10	<.10	--	--	
810	32-03-09	.40	.140	.26	.26	<.10	<.10	--	--
	32-10-28	.40	.130	.27	.27	<.10	<.10	--	--
	83-04-06	.30	.140	.16	.16	.29	.29	--	--
	33-04-27	.10	.070	.03	.03	<.10	<.10	--	--
	33-07-27	.20	.070	.13	.13	<.10	<.10	--	--
	33-03-04	.20	.090	.11	.11	<.10	<.10	.07	.07
	33-03-10	.30	.090	.21	.21	<.10	<.10	--	--
	33-03-16	<.10	.130	--	--	<.10	<.10	--	--
33-03-16	.30	.110	.19	.19	<.10	<.10	.07	.07	
33-03-24	.10	.140	-.04	-.04	.13	.13	.10	.10	
33-03-31	.10	.130	-.03	-.03	<.10	<.10	--	--	
33-03-07	.50	.120	.38	.38	<.10	<.10	--	--	
83-12-20	.40	.160	.24	.24	<.10	<.10	--	--	
815	32-03-09	.20	.170	.03	.03	<.10	<.10	--	--
	32-10-28	.30	.150	.15	.15	<.10	<.10	--	--
	33-04-06	.30	.120	.18	.18	<.10	<.10	--	--
	33-04-27	.30	.150	.15	.15	<.10	<.10	--	--
	33-07-27	.30	.140	.16	.16	<.10	<.10	--	--
	33-03-04	.30	.160	.14	.14	<.10	<.10	--	--
	33-03-10	.50	.160	.34	.34	<.10	<.10	--	--
	33-03-16	.20	.150	.05	.05	<.10	<.10	--	--
33-03-24	.10	.090	.01	.01	<.10	<.10	.10	.10	
33-03-31	.40	.150	.25	.25	<.10	<.10	--	--	
33-03-07	.60	.160	.44	.44	<.10	<.10	--	--	
83-12-20	<.10	.080	--	--	<.10	<.10	--	--	
825	32-03-09	.60	.640	-.04	-.04	<.10	<.10	--	--
	32-10-28	.80	.620	.18	.18	<.10	<.10	--	--
	33-04-06	.60	.510	.09	.09	<.10	<.10	--	--
	33-04-27	.40	.460	-.06	-.06	<.10	<.10	--	--
	33-07-27	.80	.560	.24	.24	<.10	<.10	--	--
	33-03-04	.70	.580	.12	.12	<.10	<.10	--	--
	33-03-10	.80	.610	.19	.19	.10	.10	.10	.10
	33-03-16	.60	.440	.16	.16	<.10	<.10	.03	.03
33-03-24	.40	.240	.16	.16	<.10	<.10	.03	.03	
33-03-31	.50	.570	-.07	-.07	<.10	<.10	--	--	

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	STATION NUMBER	DATE OF SAMPLE	TIME	TEMPERATURE (DEG C)	OXYGEN/ DIS-SOLVED (MG/L)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	SPE- CIFIC CONDUCTANCE (UMHOS)	
								CONDUCTANCE (JMHOS)	CONDUCTANCE (UMHOS)
B25	321212030423705	33-09-07	1400	18.5	.0	7.5	7.3	298	331
		33-12-20	1615	20.0	.2	7.5	7.2	350	330
D 5	321218030423902	33-06-05	--	16.0	--	4.8	5.5	90	82
		33-06-27	--	15.5	--	--	--	34	--
		33-06-27	1445	16.5	--	--	4.9	34	74
		32-09-09	--	23.5	--	5.4	5.7	54	55
D10	321218030423903	32-10-27	--	21.0	--	4.3	5.3	53	51
		33-06-05	--	17.0	--	4.9	5.7	48	43
		33-04-27	1430	17.0	--	--	5.3	50	57
		33-07-25	1830	20.5	.2	5.1	5.2	138	158
		33-08-04	--	20.0	.0	5.2	4.4	170	216
		33-08-10	1515	20.5	.0	5.1	5.2	225	301
D15	321218030423904	33-03-17	0945	20.5	.1	5.5	--	150	--
		33-08-23	1630	21.0	.1	5.3	5.1	140	196
		33-08-30	1530	22.0	--	5.5	5.0	130	153
		33-09-07	1800	21.5	.0	5.1	5.0	142	154
		33-12-21	1015	20.0	.2	--	5.5	240	255
		32-09-09	--	22.0	--	5.4	5.8	48	59
		32-10-27	--	20.0	--	4.5	6.8	50	33
		33-04-05	--	18.0	--	4.9	6.1	38	38
		33-04-27	1415	17.5	--	--	5.4	33	27
		33-04-27	1500	--	--	--	5.4	--	28
E10	321216030430003	33-07-26	1800	19.5	.3	5.7	5.1	29	28
		33-08-04	1245	19.5	.0	5.7	5.0	34	25
		33-08-10	1500	19.5	.0	5.5	6.3	42	27
		33-03-17	0915	20.0	.2	5.7	5.5	33	26
		33-08-23	1600	20.0	.1	6.1	5.3	35	25
		33-03-30	1500	20.0	.1	5.8	--	30	--
		33-03-30	1515	20.0	--	5.8	5.3	30	24
		33-09-07	1730	20.5	.0	5.5	5.5	31	23
		33-12-21	0930	21.0	.2	--	--	59	--
		33-12-21	0945	21.0	.2	--	5.2	59	42
		32-10-26	--	20.5	--	5.0	--	31	20
		33-04-06	--	16.0	--	5.5	5.7	34	31
33-04-27	1100	18.5	--	4.9	5.4	44	33		
33-07-27	1000	20.5	.1	5.3	5.3	36	22		
33-03-04	0945	21.0	.0	5.1	--	32	--		
33-08-10	1630	21.5	.0	6.8	5.1	32	25		
33-03-15	1630	21.5	.0	5.3	5.3	34	32		
33-03-24	1015	21.5	.0	5.2	5.0	31	30		

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	DATE OF SAMPLE	VITRO-GEN/AMMONIA DIS-SOLVED (MG/L AS N)	VITRO-GEN/ORGANIC DIS-SOLVED (MG/L AS N)	VITRO-GEN/AMMONIA DIS-SOLVED (MG/L AS N)	VITRO-GEN/ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN/NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN/NITRITE DIS-SOLVED (MG/L AS NO2)
825	83-09-07	.93	.580	.32	<.10	<.10	--
	83-12-20	.53	.410	.09	<.10	<.10	--
	83-04-06	.10	<.010	--	<.10	<.10	--
	83-04-27	<.10	<.010	--	<.10	<.10	--
010	82-09-09	.20	.060	.14	<.10	<.10	--
	82-10-27	<.10	.030	--	<.10	<.10	--
	83-04-06	.20	.040	.16	<.10	<.10	--
	83-04-27	<.10	.060	.14	<.10	<.10	--
	83-08-04	.20	.090	.11	<.10	<.10	--
	83-08-10	.50	.090	.51	<.10	<.10	--
	83-08-17	.40	.090	.31	<.10	<.10	--
015	83-03-23	<.10	.130	--	<.10	<.10	--
	83-08-30	<.10	.050	--	<.10	<.10	--
	83-09-07	.20	.030	.17	<.10	<.10	--
	83-12-21	<.10	.020	--	<.10	<.10	--
	82-09-09	.20	.030	.17	<.10	<.10	--
	82-10-27	.20	.020	.18	<.10	<.10	--
	83-04-06	.20	.010	.19	<.10	<.10	--
	83-04-27	<.10	.020	--	<.10	<.10	--
	83-04-27	--	--	--	--	--	--
	83-07-26	--	--	--	--	--	--
E10	83-07-26	.20	.040	.16	<.10	<.10	--
	83-08-04	<.10	.030	--	<.10	<.10	--
	83-08-10	.50	.020	.48	<.10	<.10	--
	83-08-17	<.10	.050	--	<.10	<.10	--
	83-08-23	<.10	.030	--	<.10	<.10	--
	83-08-30	.20	.060	.16	<.10	<.10	--
	83-08-30	<.10	.090	.26	<.10	<.10	--
	83-09-07	.30	.040	.26	<.10	<.10	--
	83-12-21	<.10	<.010	--	<.10	<.10	--
	83-12-21	<.10	<.010	--	<.10	<.10	--
	82-10-26	<.10	.010	--	<.10	<.10	--
	83-04-06	.20	.020	.18	<.10	<.10	--
	83-04-27	<.10	.020	--	<.10	<.10	--
83-07-27	.10	.020	.08	<.10	<.10	--	
83-08-04	.10	.030	.07	<.10	<.10	--	
83-08-10	.20	.020	.18	<.10	<.10	--	
83-08-16	--	--	--	--	--	--	
83-08-24	<.10	<.010	--	<.10	<.10	--	

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	STATION NUMBER	DATE OF SAMPLE	TIME	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	PH (STANDARD)	PH (STANDARD) (UNITS)	SPE-		
								CIFIC CONDUCTANCE	DUCTANCE	LA3 (UMHDS)
E10	32121603043003	33-03-31	0945	22.0	.1	5.2	4.3	23	24	
		33-09-05	1700	22.0	.0	5.0	4.9	31	30	
		33-12-21	1415	13.5	.1	--	5.1	38	37	
E15	32121603043004	32-10-26	--	21.0	--	5.1	5.5	55	52	
		33-04-05	--	17.0	--	5.5	5.7	53	49	
		33-04-27	1030	18.0	--	5.4	5.4	57	52	
		33-07-27	0930	19.5	.1	5.5	5.5	58	51	
		33-03-04	0915	19.5	.0	5.5	--	51	--	
		33-03-04	0930	19.5	.0	5.5	--	51	--	
		33-03-10	1630	20.0	.0	5.9	5.4	50	46	
E25	32121603043005	33-03-10	1645	20.0	.0	5.9	5.5	50	54	
		33-03-16	1615	20.0	.0	6.2	5.3	54	47	
		33-03-24	0930	20.0	.1	6.1	5.7	52	52	
		33-03-31	0930	20.5	.1	5.4	5.3	51	48	
		33-09-06	1645	20.5	.0	5.4	5.1	51	50	
		33-12-21	1400	20.0	.1	--	5.2	57	50	
		33-04-06	--	20.0	--	5.8	5.7	138	138	
WTP	32121503042000	33-04-06	--	18.5	--	6.3	6.3	142	135	
		33-07-27	1300	34.0	13.8	9.5	9.1	705	711	
		33-08-04	1100	28.0	--	8.4	8.3	795	736	
		33-03-10	1730	36.0	--	10.4	9.1	745	724	
		33-08-23	1715	34.5	6.0	9.3	8.3	--	753	
		33-03-06	1615	19.5	.0	6.0	5.3	145	133	
		33-09-05	1630	19.5	.0	6.0	5.5	145	136	
		33-12-21	1345	20.0	.2	--	5.9	140	138	
		33-03-16	1600	19.0	.0	6.3	6.5	145	135	
		33-03-24	0900	19.0	.1	6.1	6.0	120	140	
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-31	0845	19.0	.1	6.4	5.7	130	136			
33-03-31	0900	19.0	.1	6.4	5.7	130	134			
33-03-16	1615	19.5	.0	6.1	6.0	145	135			
33-03-10	1615	19.5	.0	6.1	6.0	147	133			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-04	0900	18.5	.0	6.0	5.3	145	135			
33-03-10	1615	19.5	.0	6.1	6.0	147	133			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-31	0845	19.0	.1	6.4	5.7	130	136			
33-03-31	0900	19.0	.1	6.4	5.7	130	134			
33-09-06	1615	19.5	.0	6.0	5.3	145	133			
33-09-05	1630	19.5	.0	6.0	5.5	145	136			
33-12-21	1345	20.0	.2	--	5.9	140	138			
33-04-06	--	18.5	--	7.7	8.0	650	572			
33-07-27	1300	34.0	13.8	9.5	9.1	705	711			
33-08-04	1100	28.0	--	8.4	8.3	795	736			
33-03-10	1730	36.0	--	10.4	9.1	745	724			
33-08-23	1715	34.5	6.0	9.3	8.3	--	753			
33-03-06	1615	19.5	.0	6.0	5.3	145	133			
33-09-05	1630	19.5	.0	6.0	5.5	145	136			
33-12-21	1345	20.0	.2	--	5.9	140	138			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-04	0900	18.5	.0	6.0	5.3	145	135			
33-03-10	1615	19.5	.0	6.1	6.0	147	133			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-31	0845	19.0	.1	6.4	5.7	130	136			
33-03-31	0900	19.0	.1	6.4	5.7	130	134			
33-09-06	1615	19.5	.0	6.0	5.3	145	133			
33-09-05	1630	19.5	.0	6.0	5.5	145	136			
33-12-21	1345	20.0	.2	--	5.9	140	138			
33-04-06	--	18.5	--	7.7	8.0	650	572			
33-07-27	1300	34.0	13.8	9.5	9.1	705	711			
33-08-04	1100	28.0	--	8.4	8.3	795	736			
33-03-10	1730	36.0	--	10.4	9.1	745	724			
33-08-23	1715	34.5	6.0	9.3	8.3	--	753			
33-03-06	1615	19.5	.0	6.0	5.3	145	133			
33-09-05	1630	19.5	.0	6.0	5.5	145	136			
33-12-21	1345	20.0	.2	--	5.9	140	138			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-04	0900	18.5	.0	6.0	5.3	145	135			
33-03-10	1615	19.5	.0	6.1	6.0	147	133			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-31	0845	19.0	.1	6.4	5.7	130	136			
33-03-31	0900	19.0	.1	6.4	5.7	130	134			
33-09-06	1615	19.5	.0	6.0	5.3	145	133			
33-09-05	1630	19.5	.0	6.0	5.5	145	136			
33-12-21	1345	20.0	.2	--	5.9	140	138			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-04	0900	18.5	.0	6.0	5.3	145	135			
33-03-10	1615	19.5	.0	6.1	6.0	147	133			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-31	0845	19.0	.1	6.4	5.7	130	136			
33-03-31	0900	19.0	.1	6.4	5.7	130	134			
33-09-06	1615	19.5	.0	6.0	5.3	145	133			
33-09-05	1630	19.5	.0	6.0	5.5	145	136			
33-12-21	1345	20.0	.2	--	5.9	140	138			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-04	0900	18.5	.0	6.0	5.3	145	135			
33-03-10	1615	19.5	.0	6.1	6.0	147	133			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-31	0845	19.0	.1	6.4	5.7	130	136			
33-03-31	0900	19.0	.1	6.4	5.7	130	134			
33-09-06	1615	19.5	.0	6.0	5.3	145	133			
33-09-05	1630	19.5	.0	6.0	5.5	145	136			
33-12-21	1345	20.0	.2	--	5.9	140	138			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-04	0900	18.5	.0	6.0	5.3	145	135			
33-03-10	1615	19.5	.0	6.1	6.0	147	133			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-31	0845	19.0	.1	6.4	5.7	130	136			
33-03-31	0900	19.0	.1	6.4	5.7	130	134			
33-09-06	1615	19.5	.0	6.0	5.3	145	133			
33-09-05	1630	19.5	.0	6.0	5.5	145	136			
33-12-21	1345	20.0	.2	--	5.9	140	138			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-04	0900	18.5	.0	6.0	5.3	145	135			
33-03-10	1615	19.5	.0	6.1	6.0	147	133			
33-03-16	1600	19.0	.0	6.3	6.5	145	135			
33-03-24	0900	19.0	.1	6.1	6.0	120	140			
33-03-24	0915	19.0	.1	6.1	5.3	120	138			
33-08-31	0845	19.0	.1	6.4	5.7	130	136			
33-03-31	0900	19.0	.1							

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL IDENTIFIER	DATE OF SAMPLE	CALCIUM		MAGNESIUM		SODIUM		POTASSIUM		CHLORIDE		SULFATE		FLUORIDE		SILICA		PHOSPHORUS	
		DISSOLVED (MG/L AS CA)	DISSOLVED (MG/L AS NA)	DISSOLVED (MG/L AS MG)	DISSOLVED (MG/L AS NA)	DISSOLVED (MG/L AS K)	DISSOLVED (MG/L AS CL)	DISSOLVED (MG/L AS S04)	DISSOLVED (MG/L AS F)	DISSOLVED (MG/L AS F)	DISSOLVED (MG/L AS CL)	DISSOLVED (MG/L AS S04)	DISSOLVED (MG/L AS F)	DISSOLVED (MG/L AS F)	DISSOLVED (MG/L AS F)	DISSOLVED (MG/L AS P)	DISSOLVED (MG/L AS P)	DISSOLVED (MG/L AS P)	DISSOLVED (MG/L AS P)
E10	83-08-31	--	--	--	--	--	4.8	--	--	--	--	--	--	--	--	--	--	--	--
	83-09-06	.70	2.7	.50	2.7	<.10	4.2	4.1	<.10	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
E15	83-12-21	--	--	--	--	--	4.5	--	--	--	--	--	--	--	--	--	--	--	--
	82-10-26	--	--	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	--
E25	83-04-06	--	--	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
	83-04-27	--	--	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
WTP	83-07-27	--	--	--	--	--	8.8	--	--	--	--	--	--	--	--	--	--	--	--
	83-08-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E10	83-08-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	83-08-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E15	83-08-10	--	--	--	--	--	8.5	--	--	--	--	--	--	--	--	--	--	--	--
	83-08-10	--	--	--	--	--	8.5	--	--	--	--	--	--	--	--	--	--	--	--
E25	83-08-16	--	--	--	--	--	9.0	--	--	--	--	--	--	--	--	--	--	--	--
	83-08-24	--	--	--	--	--	9.4	--	--	--	--	--	--	--	--	--	--	--	--
E10	83-08-31	--	--	--	--	--	8.8	--	--	--	--	--	--	--	--	--	--	--	--
	83-09-06	2.1	5.4	.40	5.4	.10	9.1	5.5	<.10	9.1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
E25	83-12-21	--	--	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	--
	82-10-26	--	--	--	--	--	20	140	--	20	140	140	140	140	140	140	140	140	140
WTP	83-04-06	--	--	--	--	--	22	--	--	22	--	--	--	--	--	--	--	--	--
	83-07-27	--	--	--	--	--	24	--	--	24	--	--	--	--	--	--	--	--	--
E10	83-08-04	--	--	--	--	--	22	--	--	22	--	--	--	--	--	--	--	--	--
	83-08-10	--	--	--	--	--	22	--	--	22	--	--	--	--	--	--	--	--	--
E15	83-08-16	--	--	--	--	--	22	--	--	22	--	--	--	--	--	--	--	--	--
	83-08-24	--	--	--	--	--	22	--	--	22	--	--	--	--	--	--	--	--	--
E25	83-08-31	--	--	--	--	--	23	--	--	23	--	--	--	--	--	--	--	--	--
	83-08-31	--	--	--	--	--	22	--	--	22	--	--	--	--	--	--	--	--	--
E10	83-09-06	11	11	1.6	11	.60	23	3.7	.30	23	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	83-09-06	8.8	9.3	1.2	9.3	.80	22	4.4	.30	22	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
E15	83-12-21	--	--	--	--	--	23	--	--	23	--	--	--	--	--	--	--	--	--
	83-04-06	--	--	--	--	--	110	--	--	110	--	--	--	--	--	--	--	--	--
E25	83-07-27	--	--	--	--	--	120	--	--	120	--	--	--	--	--	--	--	--	--
	83-08-04	--	--	--	--	--	120	--	--	120	--	--	--	--	--	--	--	--	--
WTP	83-08-10	--	--	--	--	--	130	--	--	130	--	--	--	--	--	--	--	--	--
	83-08-23	--	--	--	--	--	130	--	--	130	--	--	--	--	--	--	--	--	--
E10	83-08-30	--	--	--	--	--	130	--	--	130	--	--	--	--	--	--	--	--	--
	83-12-21	--	--	--	--	--	120	--	--	120	--	--	--	--	--	--	--	--	--
E15	83-12-21	--	--	--	--	--	120	--	--	120	--	--	--	--	--	--	--	--	--
	83-12-21	--	--	--	--	--	120	--	--	120	--	--	--	--	--	--	--	--	--

Table 3.--Water-quality parameters for samples from piezometers in the water-table aquifer at the wastewater disposal site and the wastewater treatment plant on Hilton Head Island (continued)

LOCAL-IDENTIFIER	DATE OF SAMPLE	NITRO-GEN/AM-MONIA + ORGANIC DIS. (MG/L AS N)		NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)		NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS V)		NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)		NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	
		MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS V	MG/L AS V	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS NO2	
E10	33-09-31	.20	.020	.18	.18	<.10	<.10	--	--	--	--
	33-09-05	<.10	<.010	--	--	<.10	<.10	--	--	--	--
	33-12-21	<.10	<.010	--	--	<.10	<.10	--	--	--	--
E15	32-10-26	.10	.070	.03	.03	<.10	<.10	--	--	--	--
	33-06-06	.20	.050	.15	.15	<.10	<.10	--	--	--	--
	33-04-27	<.10	.050	--	--	<.10	<.10	--	--	--	--
	33-07-27	.20	.060	.14	.14	<.10	<.10	--	--	--	--
	33-03-04	.20	.070	.13	.13	<.10	<.10	--	--	--	--
	33-08-04	.20	.060	.14	.14	<.10	<.10	--	--	--	--
E25	33-09-10	.20	.060	.14	.14	<.10	<.10	--	--	--	--
	33-08-10	.40	.050	.35	.35	<.10	<.10	--	--	--	--
	33-03-15	.30	.120	.18	.18	<.10	<.10	--	--	--	--
	33-09-24	<.10	.110	--	--	<.10	<.10	--	--	--	--
	33-09-31	<.10	.060	--	--	<.10	<.10	--	--	--	--
	33-09-05	.30	.050	.25	.25	<.10	<.10	--	--	--	--
WTP	33-12-21	<.10	<.010	--	--	<.10	<.10	--	--	--	--
	32-10-25	.40	.200	.20	.20	<.10	<.10	--	--	--	--
	33-06-06	.40	.170	.23	.23	<.10	<.10	--	--	--	--
	33-07-27	.40	.200	.20	.20	<.10	<.10	--	--	--	--
	33-03-04	.40	.210	.19	.19	<.10	<.10	--	--	--	--
	33-08-10	.70	.200	.50	.50	<.10	<.10	--	--	--	--
WTP	33-08-16	.30	.200	.10	.10	<.10	<.10	--	--	--	--
	33-09-24	.30	.220	.08	.08	.12	.12	--	--	--	--
	33-09-24	.30	.180	.12	.12	<.10	<.10	--	--	--	--
	33-08-31	.20	.190	.01	.01	<.10	<.10	--	--	--	--
	33-03-31	.30	.220	.08	.08	<.10	<.10	--	--	--	--
	33-09-05	.50	.190	.31	.31	<.10	<.10	--	--	--	--
WTP	33-09-05	.70	.190	.51	.51	.47	.47	--	--	--	--
	33-12-21	.40	.130	.27	.27	<.10	<.10	--	--	--	--
	33-06-06	2.0	.730	1.3	1.3	2.3	2.3	--	--	--	--
	33-07-27	3.6	.240	3.4	3.4	.21	.21	.15	.15	.15	.15
	33-09-04	2.6	.990	1.6	1.6	.60	.60	.79	.79	.79	.79
	33-08-10	1.9	.090	1.8	1.8	.10	.10	.10	.10	.10	.10
WTP	33-09-23	2.4	.340	2.1	2.1	<.10	<.10	.10	.10	.10	.10
	33-08-30	1.8	.300	1.5	1.5	<.10	<.10	.07	.07	.07	.07
	33-12-21	2.1	.920	1.2	1.2	4.1	4.1	.59	.59	.59	.59
33-12-21	1.4	.410	.99	.99	3.9	3.9	.59	.59	.59	.59	