EVALUATION OF THE GROUND-WATER RESOURCES OF COASTAL GEORGIA

Preliminary Report on the Data Available as of July 1983

Richard E. Krause,

Sharon E. Matthews,

and

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Prepared in cooperation with the
U. S. Geological Survey

Department of Natural Resources
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CONVERSION FACTORS

The inch-pound units used in this report can be converted to equivalent SI (metric) units as follows:

Multiply	By	To obtain
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi^2)	2.590	square kilometer (km^2)
million gallons per day (Mgal/d)	0.04381	cubic meters per second (m^3/s)
	43.81	liters per second (L/s)

National Geodetic Vertical Datum of 1929 (NGVD of 1929). A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called mean sea level. NGVD of 1929 is referred to as sea level in the text of this report.

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ABSTRACT

A compilation of ground-water data that have been collected for nearly 100 years in the coastal area of Georgia is presented in this report. The compilation of pertinent data indicates what information is available for use in the evaluation of the ground-water resources of the 13 counties of coastal Georgia. Also included in this report is a fairly complete discussion of previous and ongoing investigations and monitoring networks, and an extensive list of references. Maps at 1:24,000 and 1:1,000,000 scales contain well locations and identifiers for all wells in the Ground Water Site Inventory (GWSI) data base of the National Water Data Storage and Retrieval System (WATSTORE). Tabular summaries of selected site information from GWSI, including well identifiers and names, latitude-longitude location, depth of well, altitude of land surface, and use of water are presented. Water-use data from the National Water Use Data System, and water use for irrigation from the University of Georgia, Department of Agriculture survey, also are tabulated. Also included are pertinent information on geophysical surveys and data obtained, and proposed project activities, particularly test-monitor well drilling. The data in this report were collected and compiled as part of the cooperative activities between the U.S. Geological Survey and other agencies.

INTRODUCTION

The ground-water reservoirs of the coastal area of Georgia make up one of the largest sources of ground water in the United States. The major aquifer system, primarily of early Eocene to Oligocene age, is the principal artesian aquifer of Georgia, South Carolina, and Alabama, and the Floridan aquifer of Florida. Nearly all municipal and industrial water users in coastal Georgia obtain their water supplies from wells tapping this aquifer. Ground-water use totaled about 300 Mgal/d in 1980. Heavy development of this ground-water resource has created local problems of declining water levels, chiefly around pumping centers but areawide as well, and contamination of the fresh ground water by brackish or mineralized water.

As part of the Federal-State cooperative program, an evaluation of the ground-water resources of coastal Georgia has been recently (1981) undertaken. The Georgia Geologic Survey and the U.S. Geological Survey are gathering pertinent data to evaluate the problems developing in coastal Georgia with regard to the ground-water resources of the principal artesian aquifer. A 5-year effort is planned that will include the following tasks: (1) a literature review and compilation of previously gathered hydrogeologic data, (2) an update of well basic-data compilation and verification, (3)

the drilling of test-monitor wells, (4) a hydrogeologic analysis of the ground-water resources, (5) ground-water-flow modeling of the principal artesian aquifer, and (6) the preparation of a hydrogeologic report and a recommendations report. Data compiled from these tasks will be used to better define the freshwater flow system, as well as the occurrence, flow regimen, and quality of water underlying and locally infiltrating the freshwater flow system; and determine the impact of faults on the entire flow system in coastal Georgia. The purpose of this report is to summarize the results of task 1. The report includes summaries of available data and indicates what data are available, what studies have been conducted, and the status of ongoing water-resources monitoring and interpretive studies.

The study area includes the following counties (from north to south): Screven, Bulloch, Effingham, Chatham, Bryan, Liberty, Long, Wayne, McIntosh, Glynn, Brantley, Camden, and Charlton. (See plate 1.) Field studies will not be performed in adjacent Jasper and Beaufort Counties, S.C., and Nassau and Duval Counties, Fla. (fig. 1), but previous investigations, data on file, and newly gathered information from ongoing studies there will be utilized in this investigation. The total study area covers about 10,000 mi^2.

Methods and Objectives

To help fill the information voids and maintain a broad scope in the present study, the following work elements are included:

(a) Prepare a file of all relevant geologic and hydrologic literature for the study area.

(b) Prepare scale-stable base maps of the area at the following scales: 1:24,000, 1:100,000, and 1:500,000.

(c) Plot all known municipal and industrial wells on appropriately scaled maps.

(d) Establish a geophysical well-log library for the study area.

(e) Establish an inventory of readily available wells that can be used for monitoring purposes, and propose sites for the drilling and construction of monitoring wells. Verify well-site altitudes and select key wells for the installation of continuous water-level recorders.

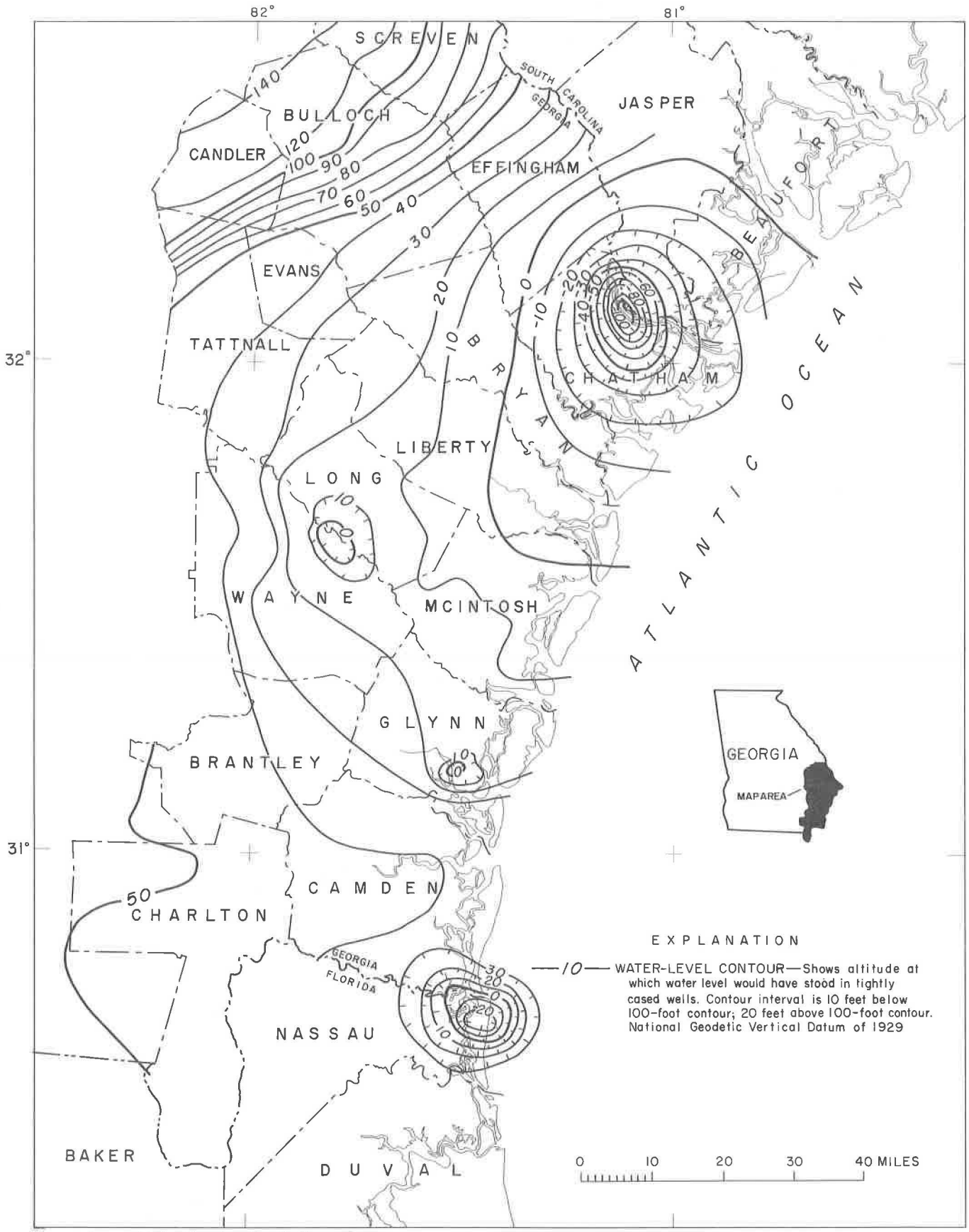
(f) Determine present water use.

(g) Summarize these data in an open-file report (this report) at the end of the first year of the project.

PREVIOUS INVESTIGATIONS

An integral part of any study is determining the work of previous investigators--an assembling of literature and a file search. The principal artesian aquifer in the coastal area of Georgia has been the subject of several investigations. Early U.S. Geological Survey Water-Supply Papers, Bulletins, and Professional Papers contain data and limited interpretations of the hydrology of the principal artesian aquifer in Georgia. However, McCallie (1898 and 1908) was the first to conduct a thorough reconnaissance study of the aquifer in Georgia. Stephenson and Veatch (1915) used much of McCallie's work in a report on the geology and ground water of the Coastal Plain of Georgia. This work, and that of McCallie, although outdated, provide historical information on the aquifer in Georgia.

During the late 1930's, heavy ground-water withdrawal from the aquifer and consequent water-level declines necessitated several investigations of the resource in the coastal area, which, for the first time, dealt with the quantitative aspects of aquifer characteristics. Warren (1944) reported on the aquifer in coastal Georgia; and Stringfield, Warren, and Cooper (1941), Cooper (1944), and Cooper and Warren (1945) investigated the aquifer in coastal Georgia and northeast Florida. Stringfield (1936) and Mundorff (1944) reported on the aquifer in northeast Florida and southern South Carolina, respectively.



Base from U.S. Geological Survey
State base maps

Figure 1.— Water level in the principal artesian aquifer, coastal area, November 1982. From Stiles and Matthews (1983).

These ground-water investigations, and those that followed, relied heavily on the geology--primarily subsurface stratigraphy, structure, paleontology, and geophysics--as determined by Cooke (1943), Applin and Applin (1944), Toulmin (1955), Herrick and Vorhis (1963), and Miller (1982a, b, c, d, and e) to name a few.

Increasing ground-water withdrawals from the aquifer in the coastal area during the forties and fifties caused continued water-level declines and water-quality problems--chiefly saltwater encroachment near some of the major pumping centers. Detailed investigations, aided by test drilling, were consequently undertaken in the coastal area. Wait (1965), Wait and Gregg (1973), and Gregg and Zimmerman (1974) provided historical and interpretive information and data on the geology, ground-water resources, and chiefly the saltwater encroachment problem at Brunswick. Counts (1960), Counts and Donsky (1963), and McCollum and Counts (1964) investigated the geology, ground-water resources, and saltwater encroachment in the Savannah area of Georgia and South Carolina. The large withdrawal of water from the principal artesian aquifer also has caused land subsidence in the Savannah area above the cone of depression. Davis, Small, and Counts (1963) and Davis, Counts, and Holdahl (1976) reported on this phenomenon.

Hayes (1979) studied the ground-water resources of the low country area of South Carolina and noted the close relation between ground-water withdrawal at Savannah and Hilton Head Island and possible seawater intrusion into the aquifer in South Carolina. Leve (1966), Fairchild and Bentley (1977) and Leve (1982) reported on the geology, ground-water resources, and saltwater encroachment in the coastal area of northeast Florida. In this area, ground-water pumping at both Fernandina Beach, Fla., and St. Marys, Ga., produces water-level declines and saltwater encroachment on both sides of the State line. Dyar, Tasker, and Wait (1972) appraised the hydrogeology of the aquifer and Krause (1972) studied the effects of pumping on water levels in the aquifer near Riceboro, an area of significant ground-water withdrawal in the coastal area.

Deep test drilling has been used in an attempt to penetrate the entire aquifer system and locate the freshwater-saltwater interface and hence the probable source of aquifer contamination. An exploration well was drilled to a depth of 2,130 ft at Fernandina Beach, Fla., in 1945 (Cooper and Peek, 1954) but yielded relatively fresh water at the bottom of the hole. In 1979, a 2,100-foot well was completed at Fernandina Beach (Brown, 1980) and yielded brackish water at depth. A 2,722-foot test well drilled near Brunswick penetrated the freshwater-saltwater interface at a depth of about 2,150 ft, and yielded water saltier than seawater from below the interface (Gill and Mitchell, 1979). The entire aquifer system was also penetrated by two wells near Waycross, on the western edge of the study area (Matthews and Krause, 1984). Here, water at about 1,900 ft has a specific conductance of 42,000 umhos. In addition to the water-quality data, these test wells provided much needed information on geology, geophysics, hydrology, and aquifer characteristics.

Information on the geology, ground-water resources, and location of the freshwater-saltwater interface was also gathered in the offshore area on the Continental Margin. Paull and Dillon (1979) provided a good description of the geology and hydrogeology of the Florida-Hatteras Shelf and Slope and the Inner Blake Plateau. Results of seismic surveys, deep test drilling, and geophysical surveys in the offshore area were reported in Hathaway and others (1976), Scholle (1979), and Johnston and others (1982).

With the advent of high-speed computers, hydrologists had another tool with which to appraise the ground-water resources of the coastal area. Digital

models were successfully used to simulate and better understand the ground-water-flow system in the principal artesian aquifer. In addition, ground-water-flow models have been used to assist in decision-making regarding managing the resource at Brunswick (Krause and Counts, 1975) and Savannah (Counts and Krause, 1976; and Randolph and Krause, 1984). A digital model of the entire aquifer system has been developed by Bush (1982) and a model covering the aquifer in southeast Georgia, northeast Florida, and southern South Carolina has been developed and reported on by Krause (1982).

Several reports have been published that deal with the more general aspects of the aquifer, and some include the entire study area. Others are thorough in their treatment of the aquifer, but describe it in its entire area of occurrence. Stewart and Counts (1958) and Stewart and Croft (1960) discussed the decline in water levels in the principal artesian aquifer in the coastal area as a result of the ground-water withdrawals. Krause and Gregg (1972) discussed the geology, hydrogeology, and water quality of the aquifer in the coastal area in a general sense for use by water managers and planners. Callahan (1964) included the coastal area in a report dealing with all sedimentary aquifers in almost all of Georgia, northern Florida, and small parts of adjacent Alabama and South Carolina. A report by Stringfield (1966) is the most comprehensive, qualitative reference on the water from the principal artesian aquifer in the Southeastern States.

Basic data for the aquifer in the study area have been published in a variety of forms, including tabulations, plots, graphs, and maps showing water-level contours and distributions of chemical constituents. Most of these data are now part of computer data bases and can readily be tabulated, plotted, graphed, and interpreted. These data bases and the information they contain are discussed in appropriate sections of this report.

The reference list probably is more complete than any compiled to date, but it is by no means exhaustive. In particular, reports that were published, little changed, in more than one outlet, were referenced to the better known, more complete and readily available publication. Additional references pertaining to particular subjects may be found in the reference lists of more recent publications. All references cited, whether formally published, in press, or as unpublished manuscripts, may be found in the library or in files of the U.S. Geological Survey, Doraville, Ga., or the Georgia Geologic Survey, Atlanta, Ga.

ONGOING STUDIES

The present program of investigating the ground-water resources of Georgia began in August 1938 as a cooperative project of the U.S. Geological Survey and the, then, Georgia Geological Survey.

Until 1955, the Savannah area was included as part of cooperative investigations of the entire eastern Coastal Plain of Georgia and Florida. Early reports resulting from these cooperative studies are listed in the References section of this report. After 1955, the Savannah area was the subject of many projects concerning the geology, ground-water resources, and saltwater encroachment.

Presently, the U.S. Geological Survey has an ongoing jointly funded program with Chatham County and the Georgia Geologic Survey for the operation of a monitoring-well network. Data collected from these wells are water-level fluctuations and chloride concentrations.

The U.S. Army Corps of Engineers, along with local, State, and Federal organizations, have an ongoing Water Resources Management Study of the Savannah-Chatham County area. This study deals with the development of water resources and related lands for navigation, flood control, power generation, water

supply, water quality, recreation, and fish and wildlife conservation. As part of this study, the U.S. Geological Survey has completed a computer model of the ground-water flow system of the Savannah area for use by the Corps of Engineers in evaluating the response of the principal artesian aquifer to various pumping schemes.

The Brunswick-Glynn County area has many of the same problems as the Savannah-Chatham County area. In July 1959, the U.S. Geological Survey, at the request of local water managers, began a study of the occurrence, availability, and quality of ground water in the Brunswick area to determine the factors responsible for deterioration of the water quality in some wells.

The U.S. Geological Survey has an ongoing jointly funded program with Glynn County and the city of Brunswick, and the Georgia Geologic Survey for the operation of a monitoring-well network. The purpose of this program is to establish the nature and general location of the brackish-water intrusion.

In May 1979, the Brunswick Area Water Resources Study was authorized by Congress as part of the U.S. Army Corps of Engineers work to determine to what extent further improvement was needed in the Brunswick area with respect to flood control, drainage, water supply, emergency hurricane evacuation, water-quality control, shallow-draft navigation, water-oriented recreation, fish and wildlife conservation, and use of flood-plain plans. The study was funded and work began in 1982. Participants in the study include: The U.S. Army Corps of Engineers, the Coastal Area Planning and Development Commission, the Environmental Protection Division (Georgia Department of Natural Resources), the U.S. Environmental Protection Agency, the U.S. Geological Survey, and other local, State, and Federal agencies. Also included in this management study is a cooperative project between the U.S. Geological Survey and the U.S. Army Corps of Engineers to develop a computer model of the ground-water resources of the Brunswick area to serve as a management tool in areas of heavy pumping, declining water levels, and deteriorating water quality.

The U.S. Geological Survey in cooperation with the Virginia Polytechnic Institute and State University is making geophysical surveys in the Brunswick area to determine the structure of the subsurface rocks and also to better define the depth and extent of saltwater encroachment in the principal artesian aquifer.

To determine the overall effects of continued withdrawals of ground water in eastern Nassau County, Fla., and southeastern Camden County, Ga., the U.S. Geological Survey, in cooperation with the Ocean, Highway, and Port Authority of Nassau County, Fla., is conducting an investigation of the ground-water resources there. The major objectives of the study are to determine water quality in the area, pumping effects, and the availability of sources of ground-water other than the principal artesian aquifer. Preliminary results of this study are now (1983) available.

GROUND WATER SITE INVENTORY DATA

The ground-water basic data to be incorporated in this study include many different types of geologic and hydrologic data. The three principal agencies involved in data collection and storage in Georgia are the U.S. Geological Survey, the Georgia Geologic Survey, and the Environmental Protection Division. Because of the ever increasing amount of data being collected by these agencies, a computerized data bank for the storage and retrieval of this information was necessitated. The U.S. Geological Survey devised and maintains a central storage facility for water-resources data known as the National Water Data Storage and Retrieval System (WATSTORE), at its National Headquarters in Reston, Va. Included in this computerized storage facility are representative ground-water

data collected throughout the United States. This ground-water information is stored in an online computer data file, which is maintained by a Data Base Management System (DBMS) called SYSTEM 2000. The name (and acronym) given this data base is the Ground Water Site Inventory (GWSI) file.

As of December 1982, a program has been written by U.S. Geological Survey personnel to plot the location of wells in the GWSI data base onto 1:100,000- or 1:24,000-scale maps. Plate 1 shows the 1:100,000- and 1:24,000-scale maps that cover the study area. Plates 2-6 show the program's plot of the GWSI data-base wells in the Brunswick and Savannah areas on 1:24,000-scale maps. Plates 2-6 show the locations of GWSI wells on 1:24,000-scale maps in areas where the large number of sites would clutter maps of smaller scale. The maps shown on plates 2-6 are identified on the index map, plate 1. GWSI well sites outside the area covered by plates 2-6 are shown on plate 1. All current (1983) data-base well sites are included on one of the six plates (1-6).

Selected data for all GWSI wells in the coastal area are shown in table 1. The "Local Identifier" in the first column is a well identification number based on the 7 1/2-minute, 1:24,000-scale map covering the well site, and a sequential number for all wells within that map area. For example, the first well shown in table 1 for Brantley County has a Local Identifier of 30H002. The well site is on the 30H, 1:24,000-scale map and is the second well inventoried in the area covered by that map. See plate 1 for an explanation of the numeric-alphabetic map identifications. The "Local Number" in the second column is the name or name and number corresponding to the well ownership. The "Site-ID" in the third column is a unique number that combines the well's latitude and longitude and a two-digit sequential number for sites having those coordinates. The unique Site-ID number is the key that identifies each well in the GWSI data base and that relates all pertinent data to that particular well. For that reason, the Site-ID cannot be changed, even if the latitude-longitude coordinates are corrected. Thus, it is possible for the coordinate part of the Site-ID to differ from the actual latitude-longitude coordinates.

As table 1 indicates, 12 of the 13 counties in the study area have wells included in the GWSI data base--Effingham does not. A total of 809 wells are in the GWSI data base, including 261 that are either public-supply, industrial, or irrigation wells. These 261 wells are among the type this study is most interested in because they are the principal water producers in the area and information about them is more complete and accurate. Data from wells that have been drilled for the purpose of testing, monitoring, and observing geologic, hydrologic, and water-chemistry data, are also of primary importance to the study.

Table 2 shows the use of water from wells in the GWSI data base. Test-monitor-observation wells are included in the category "unused", as the water from the wells is not used.

Use of water for irrigation purposes is shown in table 3, which also lists the types of irrigation systems and the number of acres irrigated. The data in table 3 were gathered by the Cooperative Extension Service of the University of Georgia College of Agriculture. Note that many wells furnishing water to irrigation system(s) are not in the GWSI data base. For example, in Brantley County, the GWSI data base (table 2) has one well that supplies water for irrigation, and the irrigation summary (table 3) shows a total of 36 systems for the county. The irrigation water-use survey was an exhaustive one that attempted to include all irrigation wells and systems in its data summary. The GWSI data base includes only selected wells based on the utility of the data from the well.

Table 2. Summary of number of wells by type of water use, by county, 1980

Use of water	County												
	Brantley	Bryan	Bulloch	Camden	Charlton	Chatham	Effingham	Glynn	Liberty	Long	McIntosh	Screven	Wayne
Industrial	0	0	0	8	0	38	0	41	2	0	3	2	4
Irrigation	1	0	0	0	0	4	0	22	0	0	0	1	1
Public supply	4	13	0	5	0	67	0	30	9	0	4	0	2
Commercial	0	2	0	0	0	11	0	24	6	0	3	0	0
Domestic	2	9	0	20	0	23	0	48	19	0	34	1	18
Recreation	0	0	0	1	0	3	0	9	0	0	4	0	0
Air conditioning	0	0	0	0	0	5	0	2	0	0	0	0	0
Stock	0	0	0	2	0	2	0	7	4	0	4	0	0
Institution	0	3	0	1	0	13	0	2	0	0	0	0	0
Unused 1/	13	11	4	12	4	44	0	110	24	1	23	1	9
Fire	0	0	0	5	0	1	0	1	0	0	0	0	0
Other	0	0	0	0	0	0	0	2	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	20	38	4	54	4	211	0	298	64	1	75	5	35

1/ This category includes wells drilled for the purpose of ongoing testing and monitoring, and abandoned wells for which important data exist.

AVAILABLE WATER-USE DATA

In 1978, the Water-Use Data Collection Project was begun to make a comprehensive inventory of the major water users in Georgia. The project was a joint venture of the Georgia Geologic Survey and the U.S. Geological Survey, and was structured to be compatible with the U.S. Geological Survey's National Water Use Data System. The primary objective of the Georgia project was to develop a computerized file of the State's major water users. The ground-water-use amounts for major categories are summarized in a report by Pierce and others (1982). The information in table 4 is taken largely from that report, and indicates the source of ground water and the types of water use in the study area for 1980. It can be assumed that almost all of the ground water used was from the principal artesian aquifer.

DATA COLLECTION AND MONITORING NETWORK

Coastal Area

One of the major purposes of maintaining a monitoring-well network in the principal artesian aquifer is being able to measure as many wells in as short a time as possible to produce a potentiometric map--an areal representation of the water level in the aquifer. The water level in the principal artesian aquifer in the coastal area for November 1982 is shown in figure 1. The cones of depression at Savannah, Jesup, Brunswick, and St. Marys are clearly defined. These data and their interpretation will be used to describe the regional impact of pumping on water levels and water quality.

Table 3. Summary of ground-water use for irrigation, by county, 1980

Type of irrigation system		County												
		Brantley	Bryan	Bulloch	Camden	Charlton	Chatham	Effingham	Glynn	Liberty	Long	McIntosh	Screven	Wayne
Portable pipe	Number of systems	30	0	30	2	9	0	4	2	1	16	1	4	23
	Acres irrigated	700	0	1,200	25	240	0	110	100	25	515	2	40	240
Cable tow	Number of systems	3	0	135	0	0	0	2	0	0	0	0	45	32
	Acres irrigated	260	0	18,200	0	0	0	125	0	0	0	0	3,750	1,675
Hose reel	Number of systems	2	0	15	0	0	0	4	0	0	0	0	20	5
	Acres irrigated	200	0	1,800	0	0	0	425	0	0	0	0	1,750	500
Solid-set sprinkler	Number of systems	1	2	11	21	1	11	1	9	4	0	1	1	4
	Acres irrigated	10	2	151	63	10	684	9	1,155	156	0	1	10	50
Center pivot	Number of systems	0	0	29	0	0	0	2	0	0	0	0	45	5
	Acres irrigated	0	0	2,800	0	0	0	310	0	0	0	0	6,500	855
Drip trickle	Number of systems	0	0	1	0	0	0	0	0	0	0	0	1	1
	Acres irrigated	0	0	20	0	0	0	0	0	0	0	0	100	50
Total	Number of systems	36	2	221	23	10	11	13	11	5	16	2	116	70
	Acres irrigated	1,170	2	24,171	88	250	684	979	1,255	181	515	3	12,150	3,370

Table 4. Summary of total ground-water use, by county, 1980

Use of water	Water use, in million gallons per day												
	County												
	Brantley	Bryan	Bulloch	Camden	Charlton	Chatham	Effingham	Glynn	Liberty	Long	McIntosh	Screven	Wayne
Public supply	0.21	0.55	3.18	0.94	0.55	29.11	0.77	11.33	5.50	0.22	0.34	1.18	1.31
Rural (total)	.78	.14	1.76	.65	.39	.87	1.17	1.86	3.05	.25	.39	1.11	.90
Domestic	.67	.12	1.46	.63	.36	.86	1.11	1.85	3.04	.22	.39	.92	.81
Livestock	.11	.02	.30	.02	.03	.01	.06	.01	.01	.03	.00	.19	.09
Irrigation	.41	.01	3.81	.07	.00	.29	.08	1.93	.17	.00	.00	5.38	.97
Industrial (total)	.01	.20	.28	35.00	7.20	41.61	.61	85.85	8.51	.00	.21	1.82	70.49
Mining	.00	.00	.00	.00	7.20	.00	.61	.00	.00	.00	.00	.00	.00
Food	.01	.00	.02	.00	.00	4.28	.00	1.36	.00	.00	.21	.00	.00
Textiles	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.82	.00
Lumber	.00	.00	.01	.00	.00	.21	.00	.01	.00	.00	.00	.00	.00
Paper	.00	.00	.00	34.58	.00	26.33	.00	58.77	8.51	.00	.00	.00	70.49
Chemicals	.00	.00	.00	.42	.00	8.81	.00	25.25	.00	.00	.00	.00	.00
Stone, clay	.00	.00	.00	.00	.00	.19	.00	.46	.00	.00	.00	.00	.00
Miscellaneous	.00	.20	.25	.00	.00	1.79	.00	.00	.00	.00	.00	.00	.00
Power generation (thermoelectric)	.00	.00	.00	.00	.00	4.20	.30	.20	.00	.00	.00	.00	.00
Totals	1.41	.90	9.03	36.66	8.14	71.88	2.63	100.97	17.23	.47	.94	9.49	73.67

Savannah Area

The water-level and water-quality monitoring networks in the Savannah area are distributed so as to give emphasis to parts of the aquifer having possible impending problems. The network is designed to detect changes that could affect the availability and quality of water in the aquifer. The decline in water level in the principal artesian aquifer is most pronounced in the Savannah, Ga.-Hilton Head Island, S.C., area where ground-water pumpage, now totaling approximately 85 Mgal/d, has lowered the water level more than 150 ft since pumping began in the late 1800's. (See fig. 2.) This ground-water withdrawal has created a large cone of depression and may be inducing seawater encroachment from the vicinity of Port Royal Sound, S.C. (Counts and Donsky, 1963). Although brackish-water zones underlying the aquifer have a maximum chloride concentration of about 13,000 mg/L, the water-level decline has caused no significant increase in chloride concentration in monitored wells during the past 20 years. Figure 3 shows the location of the six monitoring wells in the Savannah area that are pumped and sampled monthly for chloride analysis. The figure also shows the number of zones sampled per well, and structure contours of the top of the limestone that comprises the aquifer.

Plate 7 shows the geologic sections A-A' and B-B' including the water-yielding zones of the principal artesian aquifer in the Savannah area. The zones sampled by each well are also indicated on the sections. Plate 7 also shows lithologic and geophysical logs of well CHA-452 (36R006).

Monitoring water quality and ground-water levels is essential to the understanding of storage and other changes in a ground-water reservoir, or aquifer. Fluctuations and long-term trends in water levels result from recharge to and discharge from the reservoir. These fluctuations and trends have been monitored in the Savannah area for more than 20 years. Figure 4 shows the location of wells having continuous water-level recorders and wells measured monthly in Chatham, Bryan, Liberty, and McIntosh Counties, Ga., and Beaufort County, S.C.

Brunswick Area

Since pumping began in the late 1800's, ground-water withdrawal in the Brunswick area of Glynn County has lowered the water level in the principal artesian aquifer by as much as 75 ft, and has created a cone of depression around the city of Brunswick (fig. 5). This decline in the water level has allowed brackish water from underlying formations to migrate into the aquifer at three known locations in Brunswick and move downgradient toward the centers of pumping.

Beginning in 1957, a chloride monitoring network was set up to investigate the problem of saltwater encroachment and identify its source. About 100 wells are now sampled monthly and semiannually in this network. Plate 8 shows the chloride-monitoring network in the immediate Brunswick area.

Three water-bearing zones have been identified in the principal artesian aquifer in the Brunswick area. Some wells tap one water-bearing zone; others tap two or three zones. (See fig. 6.) Water in the upper part of the brackish-water zone underlying the aquifer in the immediate Brunswick area has a known range in chloride concentration from 230 mg/L in TW 23 to 6,815 mg/L in TW 19 (wells located on plate 8). In the upper water-bearing zone of the principal artesian aquifer, the chloride concentration ranges from 18 mg/L in TW 7 to 2,445 mg/L in Lewis Crab 4 (wells located on plate 8). In the lower water-bearing zone of the aquifer, chloride concentrations range from 204 mg/L in the Hercules, Inc., "S" well to 1,955 mg/L in TW 22 (wells located on plate 8). The chloride concentration in the upper water-bearing zone of the principal artesian aquifer in the Brunswick area for October 1982 is shown in figure 7.

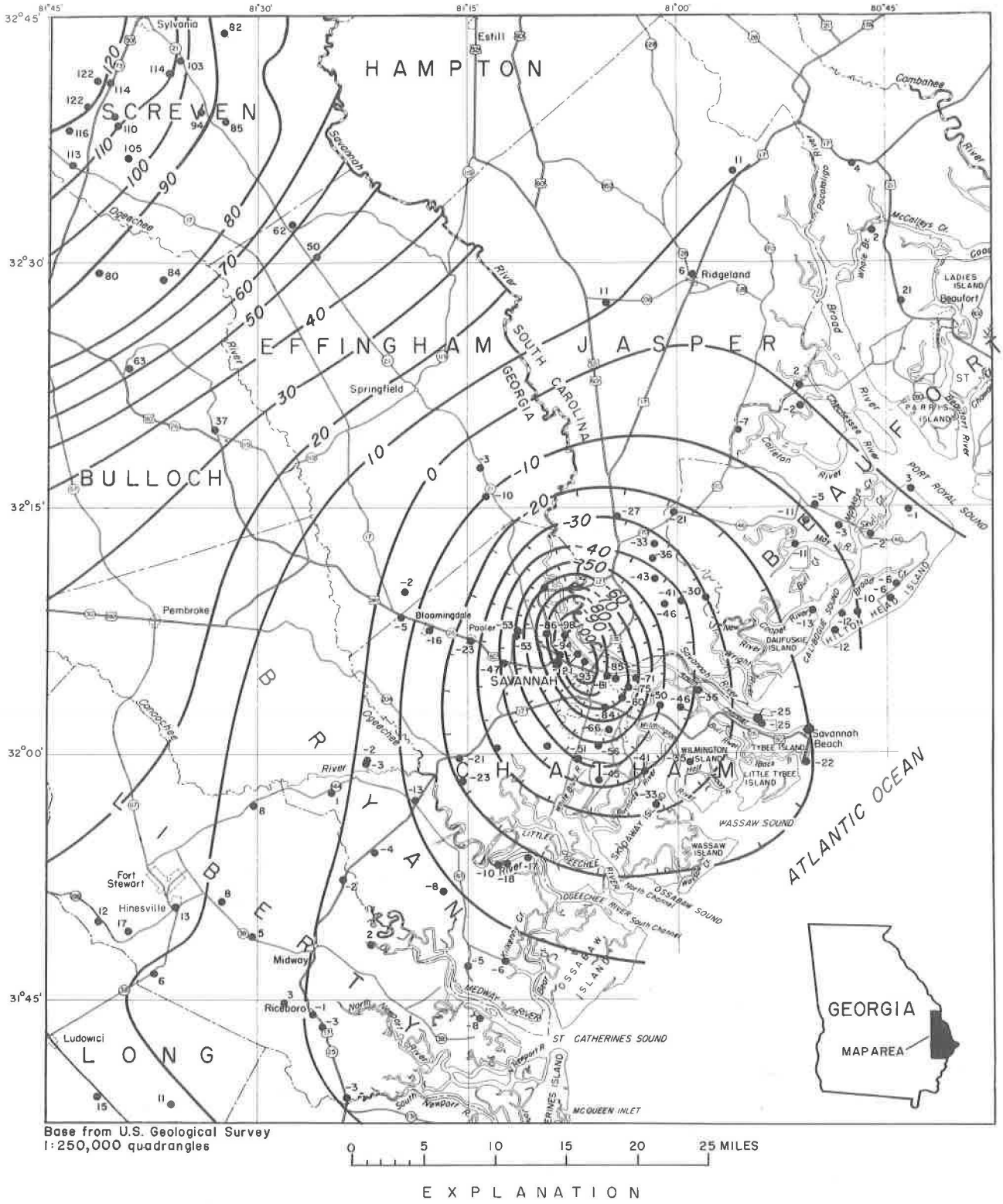


Figure 2.— Water level in the principal artesian aquifer, Savannah area, November 1982. From Stiles and Matthews (1983).

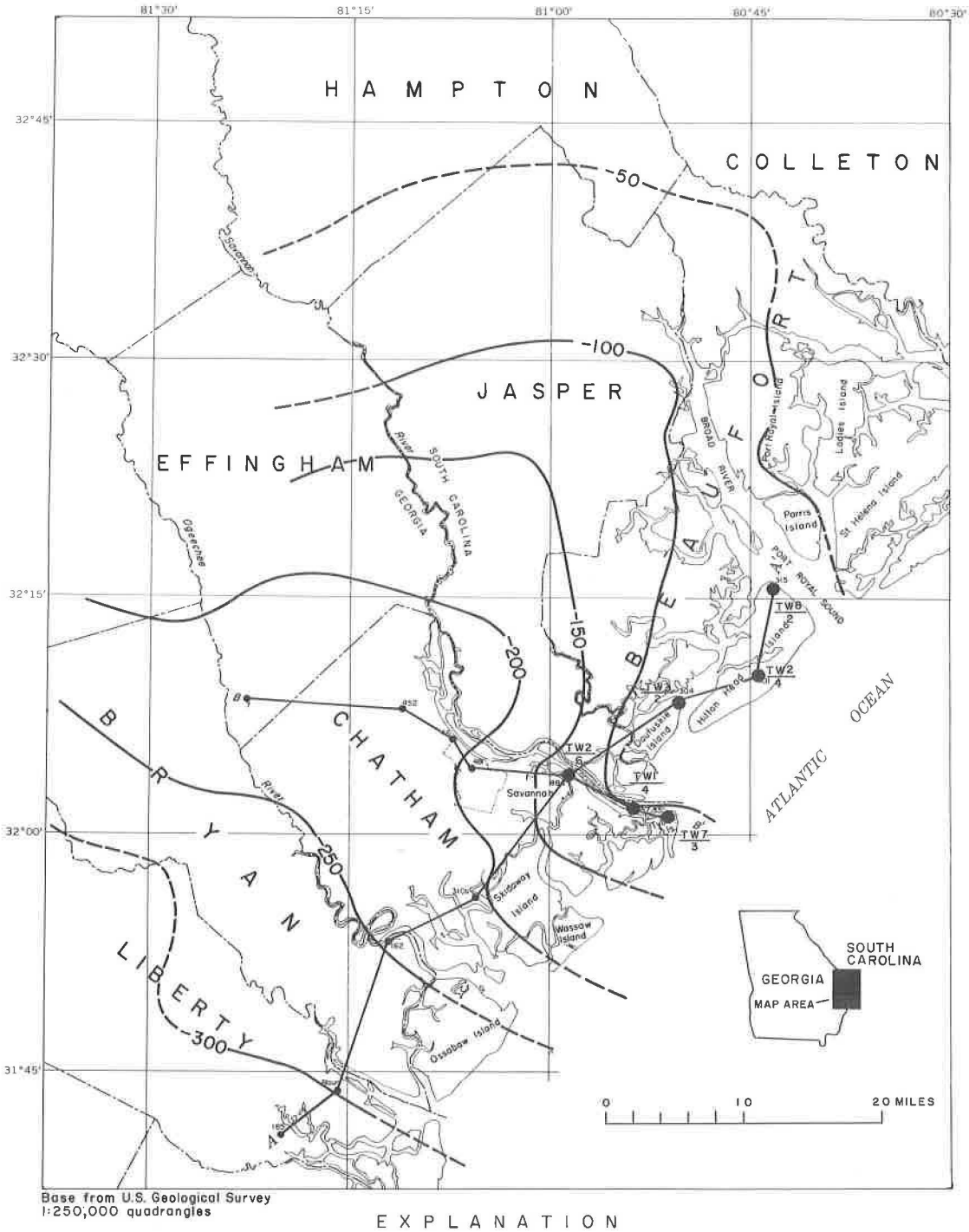


Figure 3.— Chloride-monitoring network, structure contours of the top of limestone, and location of geologic sections and wells, Savannah area. From McCollum and Counts (1964).

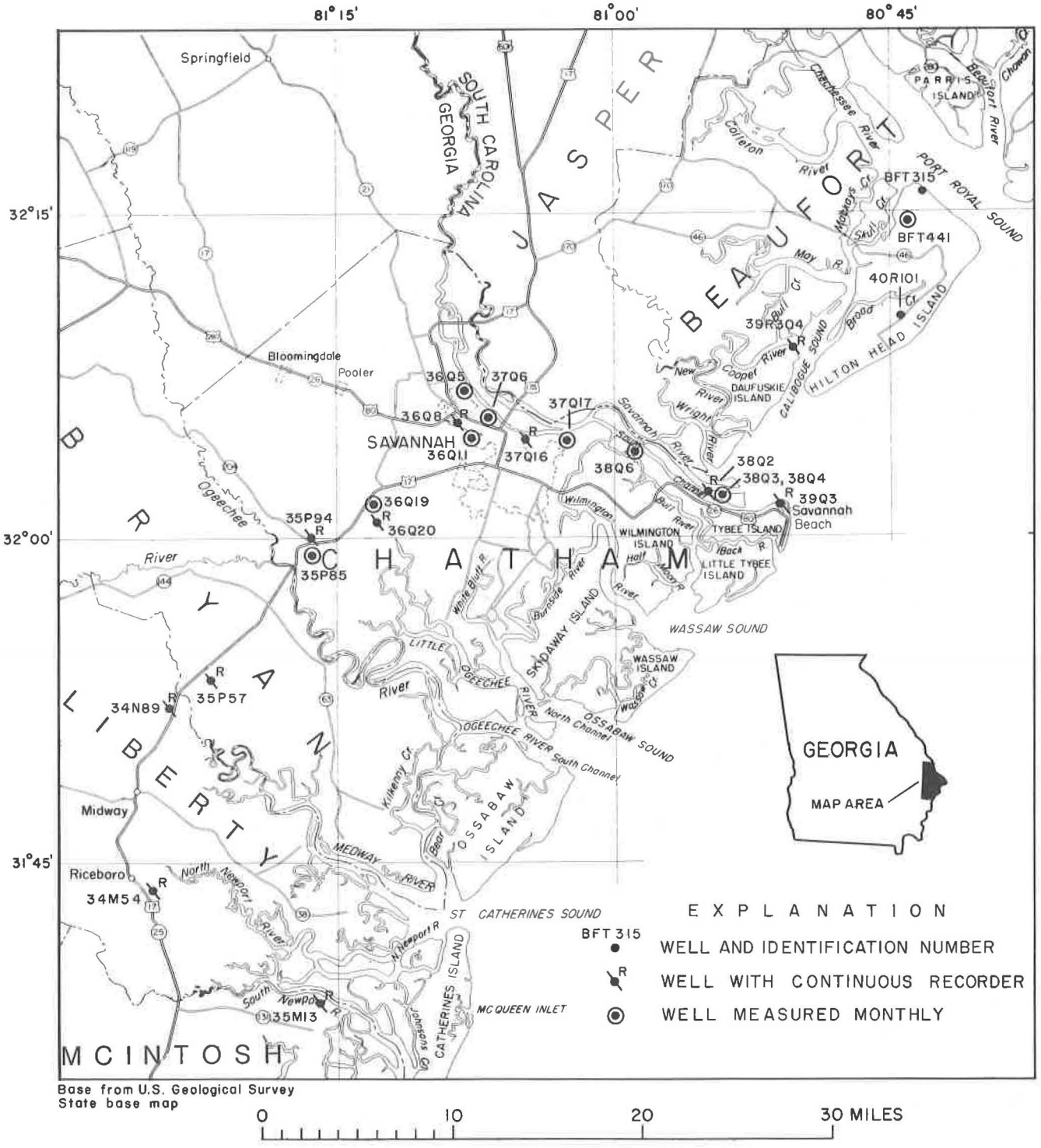


Figure 4.— Location of continuous water-level-recording wells and monthly measured wells in Chatham, Bryan, Liberty, and McIntosh Counties, Georgia, and Beaufort County, South Carolina.

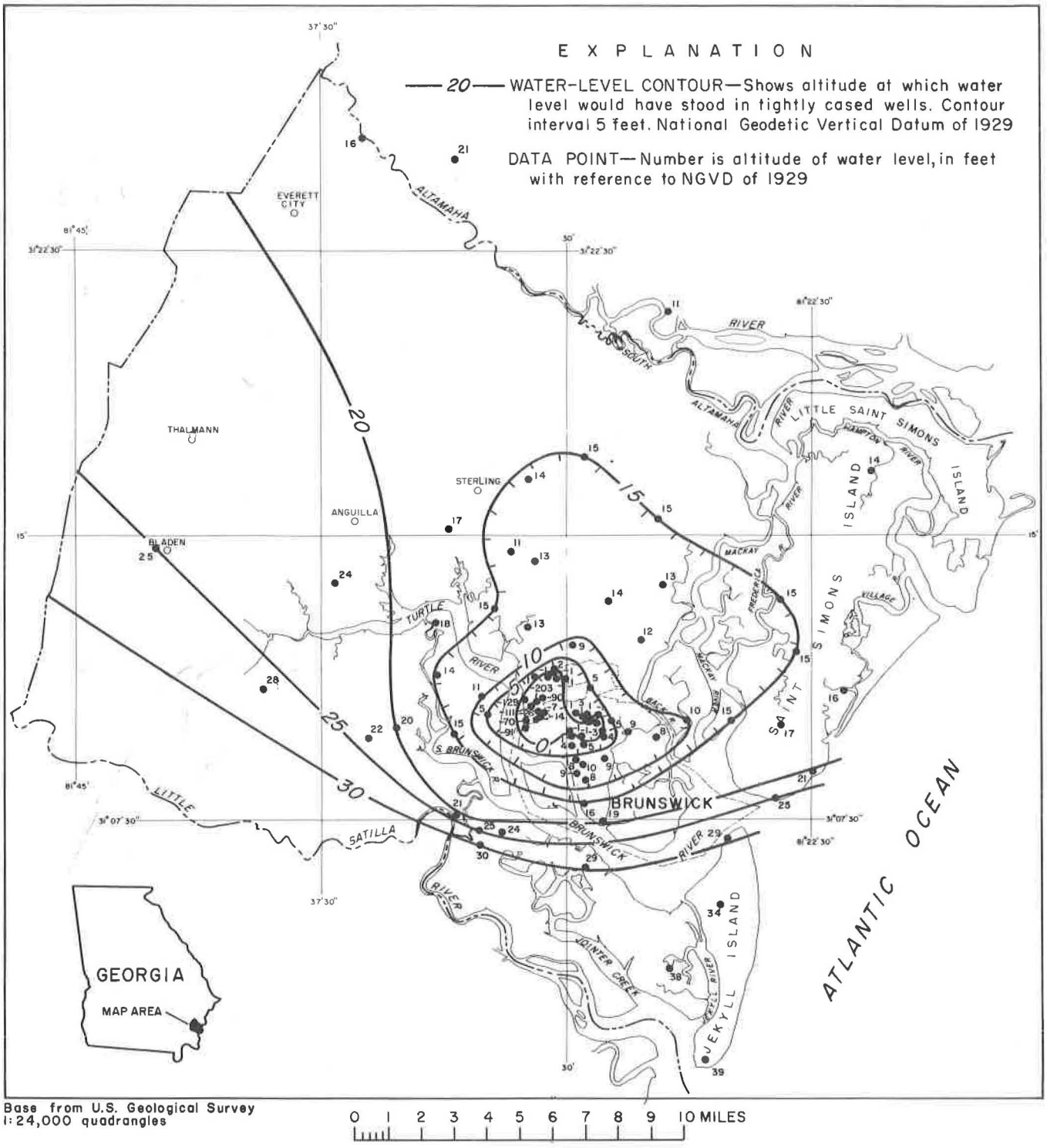


Figure 5.— Water level in the principal artesian aquifer, Brunswick area, November 1982. From Stiles and Matthews (1983).

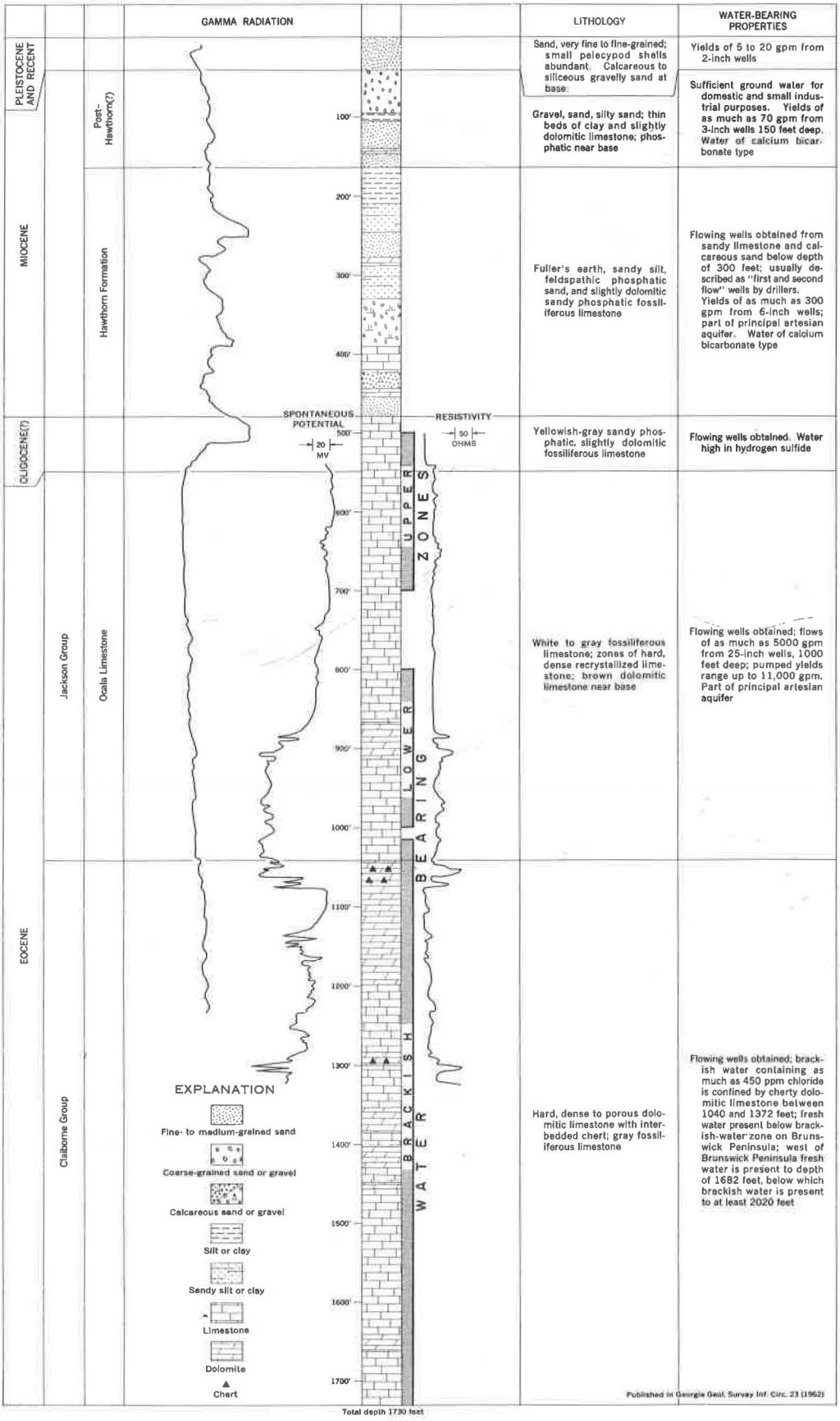


Figure 6.— Generalized geologic section of Glynn County. From Wait (1965).

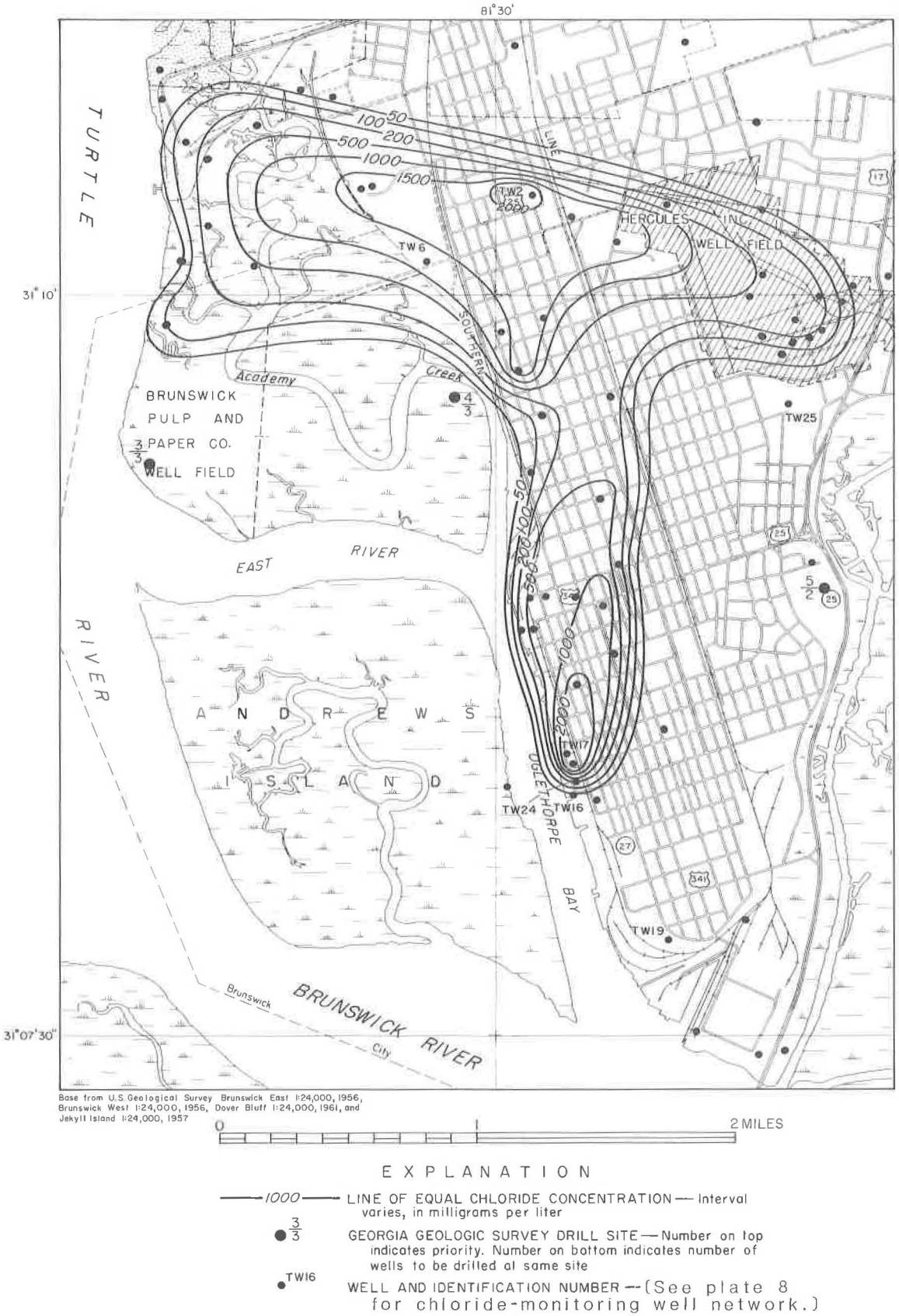


Figure 7.— Chloride concentrations in the upper water-bearing zone of the principal artesian aquifer for October 1982, and general location of drill sites, Brunswick area. Chloride concentrations from Stiles and Matthews (1983).

Also shown on plate 8 is the location of continuous water-level recording wells. The recorders that are on these wells continuously monitor water-level fluctuations and define long-term trends in the water level. The data are used to correlate the artesian water level with pumping changes and tide and barometric-pressure changes. Figure 6 shows a generalized geologic section of Glynn County. Each of the three water-bearing zones of the aquifer can be correlated with the wells shown on plate 8. Figure 8 is a map showing the location of continuous water-level-recording wells in Glynn, Camden, Charlton, Ware, Wayne, and Long Counties. Figure 9 shows the location of the wells that are measured monthly as part of the water-level network in Glynn County.

GEOPHYSICAL SURVEYS

Various surface geophysical surveys have been made in the coastal area. In 1978, the U.S. Geological Survey made direct-current resistivity soundings by the Schlumberger[1] method in five traverses across Glynn County (fig. 10). The purpose of the survey was to determine the depth and lateral extent of saltwater encroachment in the principal artesian aquifer, and to map the top of the limestone--the Suwannee Limestone of Oligocene age in Glynn County. Raw data from the sounding curves represent the apparent resistivity of the rock and resident fluid. Although these data (not included herein) have been computer processed and interpreted, other processing programs could be applied to the data, possibly suggesting different interpretations.

The U.S. Geological Survey, in cooperation with the Virginia Polytechnic Institute and State University, is conducting seismic reflection profiling in Glynn County to obtain information on geologic structure where severe ground-water-quality problems are related to faults of unknown orientation and displacement. The reflection profile lines are shown in figure 10. These VIBROSEIS data are being used in conjunction with other surface geophysical data to define the extent of structural deformation and ground-water-quality deterioration in the principal artesian aquifer in the Brunswick area.

Seismic reflection data from petroleum exploration companies that have done work in Georgia have been made available to the U.S. Geological Survey on a limited basis. However, because of their proprietary nature, the location of these data is not shown.

Borehole geophysical surveys (well logging) have been made in the coastal area with the U.S. Geological Survey's single-conductor logger since 1954. These surveys included single-point resistivity, spontaneous potential, and natural gamma logs. In 1974, geophysical logging capabilities increased when the U.S. Geological Survey stationed a multiconductor logging unit in Atlanta. The logging capabilities of this unit include spontaneous potential, long- and short-normal resistivity, focused resistivity, caliper, fluid resistivity, fluid temperature, natural gamma, gamma-gamma density, epithermal neutron porosity, acoustic velocity, acoustic televiewer, and fluid velocity.

1 Use of trade names in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey nor the Georgia Geologic Survey.

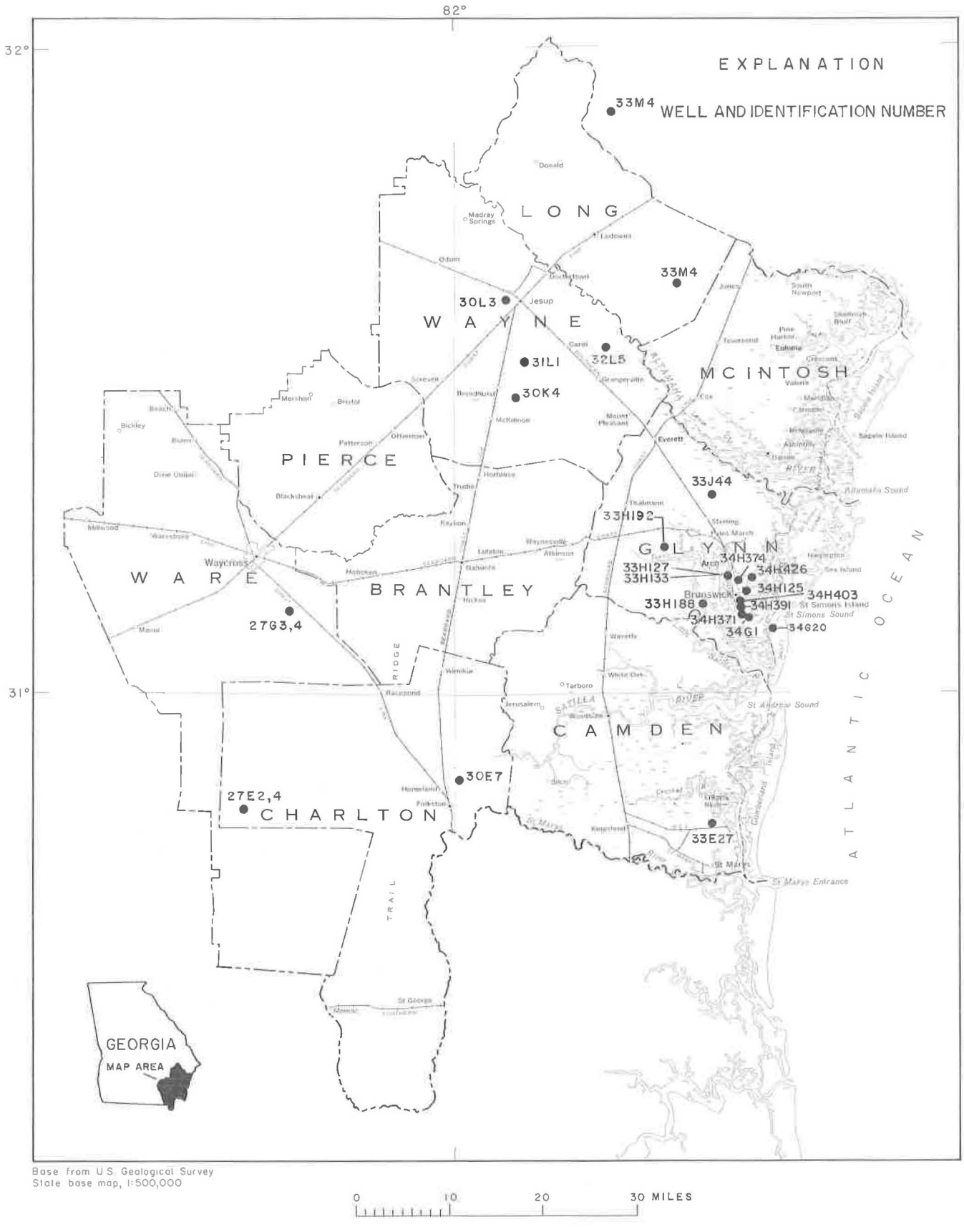


Figure 8.— Location of continuous water-level-recording wells in Glynn, Camden, Charlton, Ware, Wayne, and Long Counties.

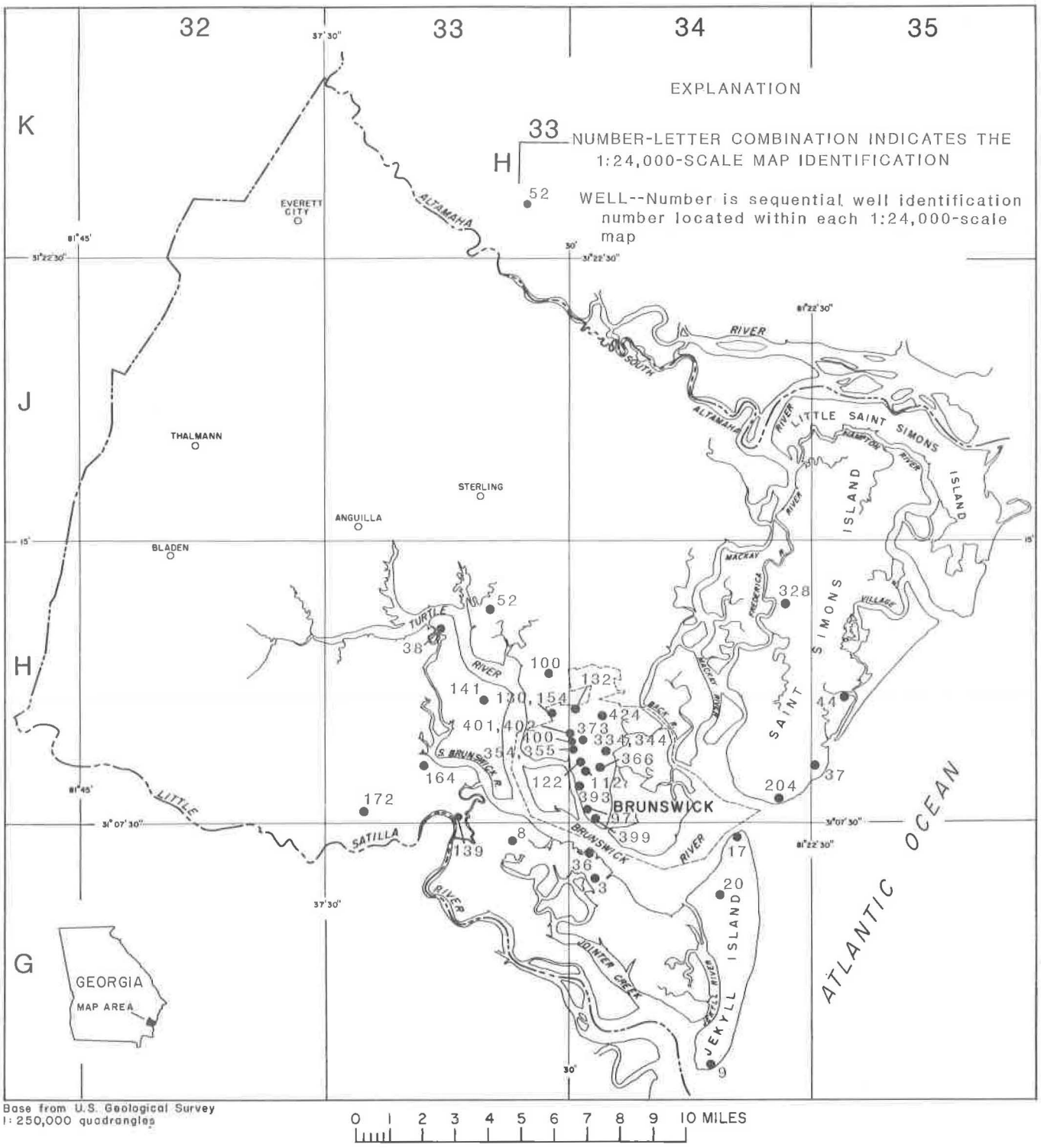


Figure 9.— Location of monthly measured wells in Glynn County.

Base from U.S. Geological Survey
1:250,000 quadrangles

Figure 10.— Schlumberger sounding locations and seismic reflection profiles.

PROPOSED DRILLING

An important data-collection activity in this investigation will be the drilling of test-monitor wells. A work element to be completed during the first year is to propose potential drilling sites and well-completion specifications for these wells. While there are a large number of wells in the study area, most are in and around population centers, and although they serve some data-collection purpose(s), they are not favorably located to provide the type of data required for this investigation. Test drilling, to be performed by the Georgia Geologic Survey, will be used to obtain site-specific information on geology (lithology, stratigraphy, and structure), water levels, and water quality for the freshwater aquifer system. Test drilling also will assess water-bearing zones in the overlying Miocene beds, and the mineralized water-bearing formations that underlie the freshwater system. The general locations of the 10 proposed drilling sites are shown in figure 11.

The priority of the drilling sites is as follows:

(1) Hopeulikit-Bulloch County. Drill two wells to depths of 200 and 860 ft, tapping the Miocene and principal artesian aquifers, respectively.

(2) Bulloch County, south. Drill two wells to depths of 300 and 800 ft, tapping the Miocene and principal artesian aquifers, respectively.

(3) Brunswick Pulp and Paper, south. Drill three wells to depths of 250, 750, and 1,100 ft, tapping the Miocene and principal artesian aquifers, and the brackish-water zone, respectively. The site is shown in figure 7.

(4) Glynn County-Academy Creek, east. Drill three wells to depths of 250, 750, and 1,100 ft, tapping the same zones as at site 3 (fig. 7).

(5) Glynn County-Coffin Park. Drill two wells to depths of 250 and 1,100 ft, tapping the Miocene aquifer and the brackish-water zone, respectively (fig. 7).

(6) Wayne County near Gardi. Drill two wells at the Hopkins oil-test site. Well completion will be in the Miocene aquifer at 350 ft and the principal artesian aquifer at 900 ft. (See fig. 12.)

(7) Chatham County-Skidaway Island. Three wells will be drilled--one tapping the Miocene aquifer at 150 ft, another tapping the principal artesian aquifer at 500 ft, and the third to a depth below the freshwater part of the principal artesian aquifer to determine the location of the freshwater-saltwater interface. The maximum depth of the third well will be about 1,000 ft.

(8) Effingham County near Springfield. Two wells will be drilled-- one tapping the Miocene aquifer at 250 ft, the other, the lower part of the principal artesian aquifer at 900 ft.

(9) Camden County-Crooked River State Park. Two wells will be drilled--one tapping the Miocene aquifer at 400 ft, the other, the lower part of the principal artesian aquifer at 900 ft.

(10) Pierce-Wayne County line, Big Satilla Creek. Two wells will be drilled--one tapping the Miocene aquifer at 400 ft, the other, the lower part of the principal artesian aquifer at 900 ft.

Additional wells that are needed for the study, but would require drilling of a scope greater than that done by the Georgia Geologic Survey are:

(See figure 11 for locations.)

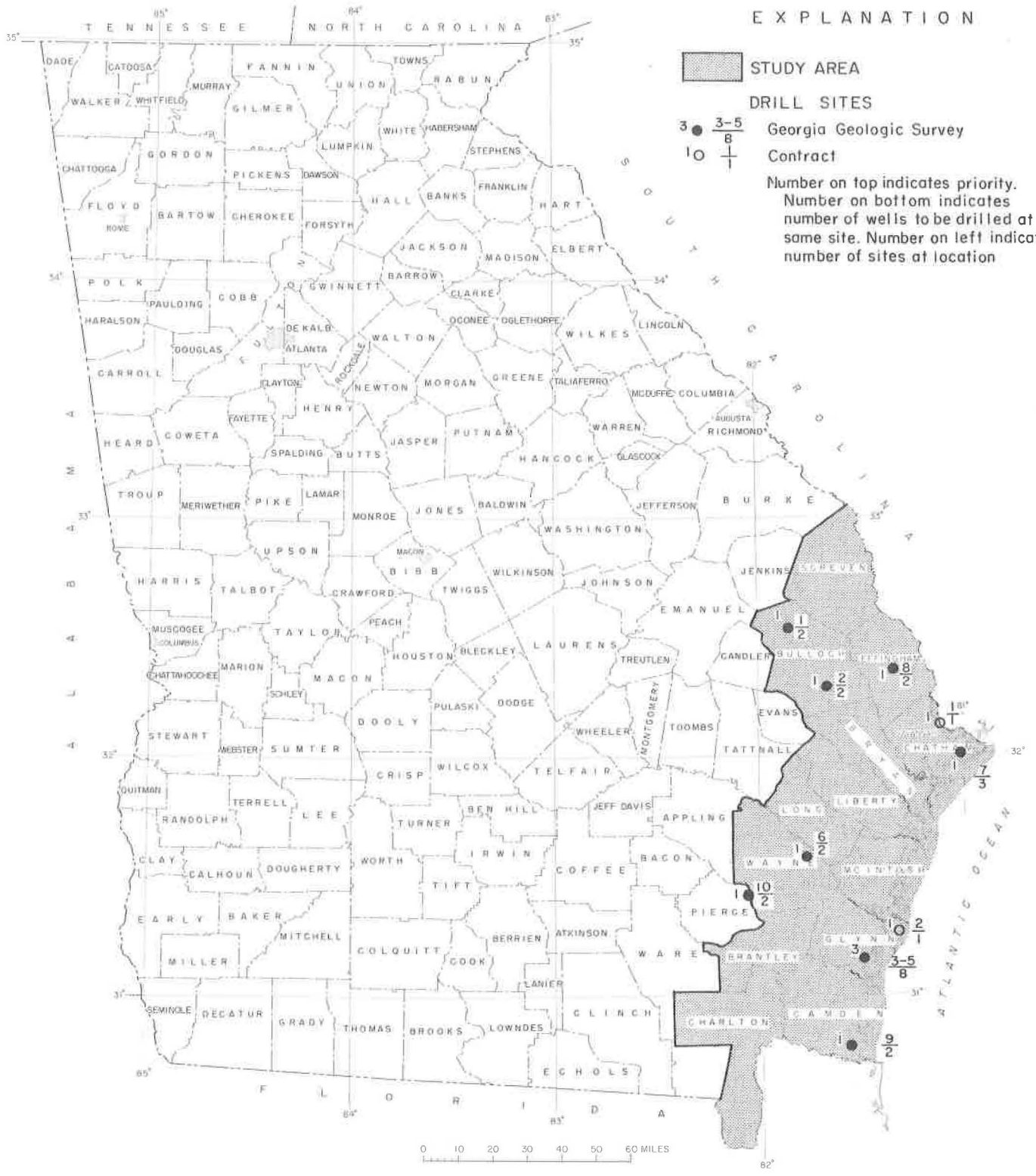


Figure 11.— General location of drill sites in coastal Georgia.

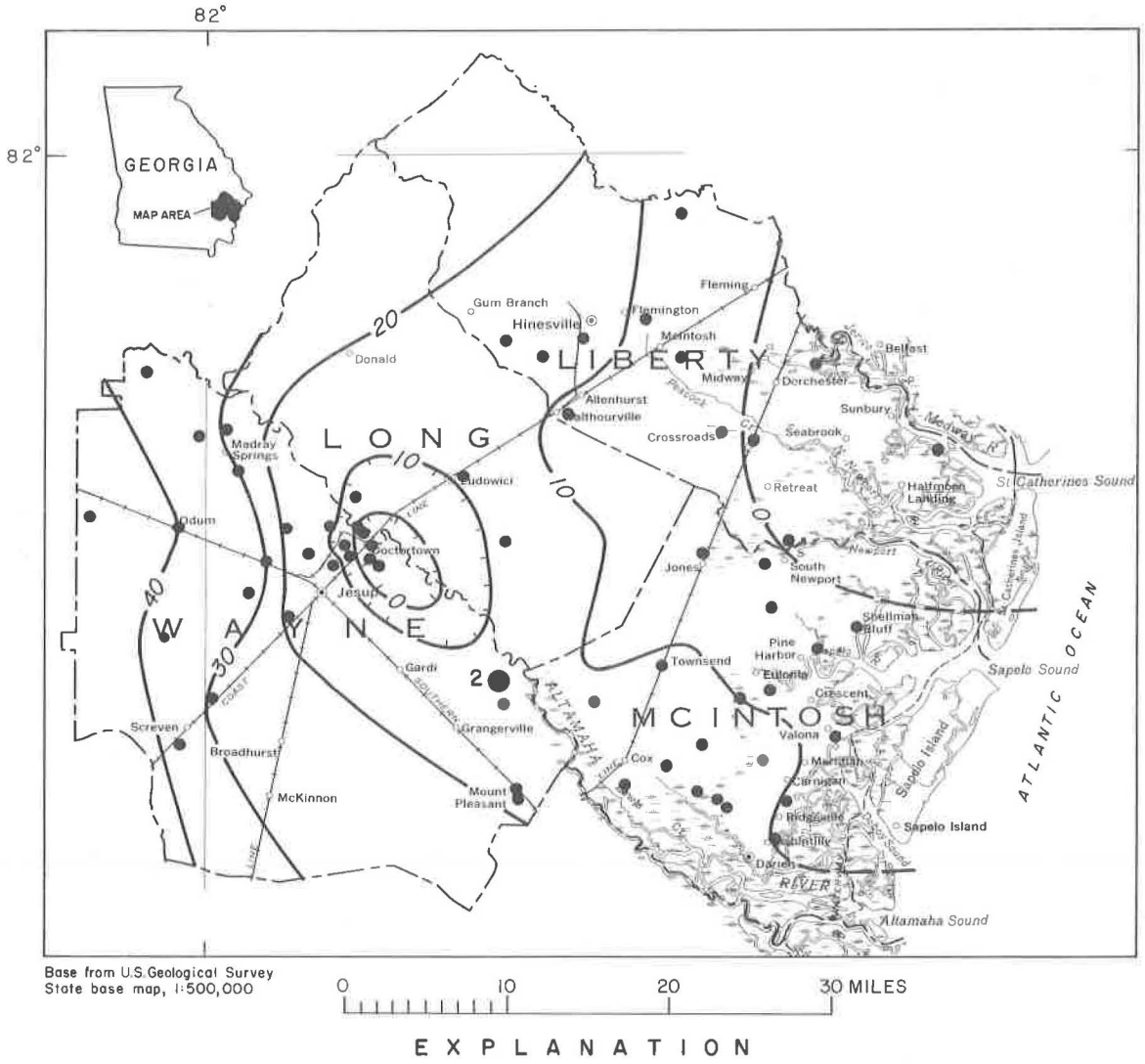


Figure 12.— General location of drill site near Gardi, Wayne County, and water level in the principal artesian aquifer, Wayne, Long, Liberty, and McIntosh Counties, November 1982. From Stiles and Matthews (1983).

(1) Chatham County-Hutchinson Island. Drill one well to below the principal artesian aquifer at a depth of about 2,000 ft. The well is needed to determine the distribution of chloride below the principal artesian aquifer.
(2) Glynn County-St. Simons Island. Drill one well to determine the location of any saltwater intrusion into the lower part of the principal artesian aquifer. The estimated depth is 1,000 to 1,500 ft.

Abandoned oil-test wells will be modified as follows:

Glynn County

(1) Plug the W. K. Davis Union Camp 1 oil-test well (33H-192) (plate 2) from about 1,890 to 2,200 ft. Flush out the drilling mud with clear water. Develop the well by blowing with air for at least 8 hours.
(2) Plug the C. E. Curry oil-test well (33G1) (plate 1) at about 1,460 ft. Monitor changes in the chloride concentration to define the water quality in the interval above that plug.

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APPENDIX

Table 1.--Selected Ground Water Site Inventory data

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
BRANTLEY COUNTY					
30H002	ATLANTIC COASTLINE	311214081590701	747.00	31 12 14 N 081 59 07 W	65
31H015	CCC CAMP	311501081472201	705.00	31 14 52 N 081 47 25 W	60
29H003	HIGHSMITH, E	311116082010401	280.00	31 11 16 N 082 01 04 W	64
31J002	HUMBLE/BROWN 01	311931081520501	994.00	31 19 31 N 081 52 05 W	71
30H012	HUMBLE/HARPER 2	311329081583601	945.00	31 13 29 N 081 58 36 W	60
31J003	HUMBLE/HARRISON	311853081451101	1043.00	31 18 53 N 081 45 11 W	41
30H011	HUMBLE/HIGHSMITH 1	311115081575601	950.00	31 11 15 N 081 57 56 W	75
31J005	HUMBLE/UNION BAG 071	311742081505301	770.00	31 17 42 N 081 50 53 W	74
31H013	HUMBLE/UNION BAG 082	315021081114901	900.00	31 11 37 N 081 50 13 W	59
30H013	HUMBLE/UNION BAG 083	311307081555001	912.00	31 13 07 N 081 55 50 W	85
30H010	HUMBLE/UNION BAG 085	311352081532901	860.00	31 13 52 N 081 53 29 W	75
31J004	HUMBLE/UNION BAG 087	311534081505301	955.00	31 15 34 N 081 50 53 W	57
31H014	HUMBLE/UNION BAG 099	311335081481901	961.00	31 13 35 N 081 48 19 W	60
30J002	SATILLA CEMETARY	312022081591401	260.00	31 20 25 N 081 59 10 W	68
31H011	SATILLA RIVER EST	310902081503101	610.00	31 09 02 N 081 50 31 W	70
31H004	SATILLA RIVER EST 2	310850081513101	764.00	31 08 59 N 081 51 29 W	55
31H012	SATLA RIVER YCHT CLB	310837081584701	580.00	31 08 37 N 081 51 45 W	45
30H014	TIMBERLANDS 1	311410081581001	920.00	31 14 10 N 081 58 15 W	66
28H001	VARN,K S & COMPANY	311052081081501	788.00	31 10 52 N 082 08 15 W	104
30J003	W.F. HELLEMN NO ST-1	311723081571501	4512.00	31 17 26 N 081 57 35 W	42
BRYAN COUNTY					
34P031	BRYAN ACRE SUBDIV	315355081224301	620.00	31 53 55 N 081 22 43 W	11
35P101	BRYAN CO 02	315317081153801	210.00	31 53 17 N 081 15 38 W	15
35P071	CASEY, B	315731081193401	480.00	31 57 31 N 081 19 34 W	13
35P015	CASEY, I C	315619081181601	266.00	31 56 19 N 081 18 16 W	19
34R001	DASHERS FISHING CAMP	321122081250001	467.00	32 11 22 N 081 24 59 W	28
34R040	DAVIS, J A	321355081264901	309.00	32 13 52 N 081 26 49 W	66
35N027	DEAL, DENMARK, SHUMA	314924081173001	600.00	31 49 24 N 081 17 30 W	16
34R032	DELOACH,COOPER	320805081292301	238.00	32 08 05 N 081 29 23 W	80
35N059	GA DNR FIELD HDQS	314705081150401	605.00	31 47 08 N 081 15 14 W	18
36P007	GA DNR FT MCALLISTER	315327081114801	400.00	31 53 24 N 081 11 48 W	12
36P006	GA DNR RICHMOND HILL	315326081115701	656.00	31 53 26 N 081 11 57 W	15
34R039	GARDENER, J S	321145081260401	480.00	32 11 45 N 081 26 03 W	76
35N065	HUMBLE/BLIGE 01	315133081164401	724.00	31 51 33 N 081 16 44 W	19
35N064	HUMBLE/DARIENG 01	314910081152501	650.00	31 49 10 N 081 15 25 W	10
35P057	INTERNAT PAPER CO	315356081214301	425.00	31 53 56 N 081 21 43 W	20

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
BRYAN COUNTY -- CONTINUED					
35N035	INTERNAT PAPER CO	315132081165501	452.00	31 51 32 N 081 16 55 W	21
35N016	INTERNAT PAPER CO	315035081151901	440.00	31 50 35 N 081 15 16 W	16
35N025	INTERNAT PAPER CO	315011081162701	465.00	31 50 11 N 081 16 27 W	18
35N021	INTERNAT PAPER CO	315022081161301	500.00	31 50 22 N 081 16 13 W	17
35P008	INTERNAT PAPER CO	315632081183201	500.00	31 56 55 N 081 18 22 W	14
36N008	LINCOLN RIVER EST 1	314631081122401	600.00	31 46 31 N 081 12 24 W	8
33R010	MILL CREEK SCHOOL	320906081303201	423.00	32 09 06 N 081 30 32 W	67
36P101	PARKER & MEEKS	315247081140701	155.00	31 52 47 N 081 14 07 W	10
33R021	PEMBROKE GA 1	320814081372001	429.00	32 08 17 N 081 37 20 W	91
32R001	PEMBROKE GA 2	320807081375201	477.00	32 08 07 N 081 37 52 W	94
35P070	RICHMOND HILL GA	315733081193201	480.00	31 57 33 N 081 19 32 W	12
35P099	RICHMOND HILL NO 1	315620081190401	620.00	31 56 18 N 081 19 08 W	19
35P017	RICHMOND HILL R P Y	315624081180901	480.00	31 56 24 N 081 18 09 W	17
35P018	RICHMOND HILL R P Y	315622081181001	500.00	31 56 22 N 081 18 10 W	17
35P019	RICHMOND HILL R R P	315611081181701	440.00	31 56 11 N 081 18 17 W	17
36P093	RUST HOMES INC	315314081121901	610.00	31 53 14 N 081 12 19 W	12
34R007	SMITH, W E	321140081255401	295.00	32 11 40 N 081 25 54 W	85
35P097	STRATHY HALL ESTATES	315421081155901	580.00	31 54 21 N 081 15 59 W	12
34P019	US ARMY	315855081273701	305.00	31 58 55 N 081 27 36 W	20
34P014	US ARMY F R	315800081243801	446.00	31 58 00 N 081 24 38 W	18
34P012	US ARMY FIRE TOWER	315842081225501	400.00	31 58 42 N 081 22 55 W	14
35Q001	US ARMY, AT RIVER	320122081201601	426.00	32 01 22 N 081 20 16 W	17
36N002	WEDINCAMP,F W 1	314729081121201	292.00	31 47 29 N 081 12 09 W	11
BULLOCH COUNTY					
32R002	BULLOCH SOUTH TW 1	321240081411501	804.00	32 12 40 N 081 41 15 W	120
32R003	BULLOCH SOUTH TW 2	321240081411502	155.00	32 12 40 N 081 41 15 W	120
31U008	HOPEULIKIT TW 1	323123081511601	860.00	32 31 23 N 081 51 16 W	205
31U009	HOPEULIKIT TW 2	323123081511602	210.00	32 31 23 N 081 51 16 W	205

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
CAMDEN COUNTY					
34F009	BACON	305803081243601	730.00	30 58 03 N 081 24 36 W	35
34F004	BOTSFORD	305630081244401	743.00	30 56 30 N 081 24 43 W	10
33F001	BP&P,CAB BLUFF	305313081310401	760.00	30 53 14 N 081 31 03 W	9
31E001	BROWN, E	304830081481201	500.00	30 48 30 N 081 48 12 W	22
31G011	BUIE ESTATE, J A	310044081481701	360.00	31 00 44 N 081 48 19 W	11
31G017	CLARK,ALEX & DAVE	310529081493401	250.00	31 05 29 N 081 49 34 W	42
33E007	DAVIS, G H	304512081343601	770.00	30 45 10 N 081 34 38 W	18
33G005	EPISCOPAL C, CAMP RE	310314081322301	783.00	31 03 12 N 081 32 25 W	7
34F010	GENERALS MOUND	305658081251601	784.00	30 56 59 N 081 25 16 W	5
33D053	GILMAN PAPER CO 1	304411081323201	1063.00	30 44 11 N 081 32 32 W	13
33D051	GILMAN PAPER CO 4	304400081323201	1220.00	30 44 00 N 081 32 32 W	10
33D050	GILMAN PAPER CO 5	304411081331901	1215.00	30 44 11 N 081 33 19 W	15
33D049	GILMAN PAPER CO 6	304414081332501	1259.00	30 44 14 N 081 33 25 W	15
33D058	GILMAN PAPER CO 7	304408081323301	1041.00	30 44 08 N 081 32 33 W	13
33D006	GILMAN PAPER CO 8	304416081323601	1199.00	30 44 16 N 081 32 36 W	9
33D048	GILMAN PAPER CO 9	304408081323401	1041.00	30 44 08 N 081 32 34 W	13
32E032	GROSS, E	304804081405401	516.00	30 48 09 N 081 40 46 W	27
32E010	HERCULES INC, SEALS	305216081422001	350.00	30 52 17 N 081 42 18 W	20
34F002	HERNLEY	305614081244501	684.00	30 56 14 N 081 24 45 W	7
32E035	HOWARDS MOBILE HM PK	305056081393801	75.00	30 50 56 N 081 39 38 W	12
33G009	HUMBLE/UNION BAG 095	310551081352501	1020.00	31 05 51 N 081 35 25 W	20
34F008	HUNTER	305742081252501	683.00	30 57 45 N 081 25 24 W	10
30G004	JOHN BUIE 1	310230081524801	4955.00	31 02 30 N 081 52 48 W	55
34F003	KEER,A W	305619081244601	720.00	30 56 19 N 081 24 46 W	10
32E023	KINGSLAND,GA 1	304753081412501	548.00	30 47 56 N 081 41 27 W	35
34F005	KINGSLEY 1	305709081244101	638.00	30 57 09 N 081 24 41 W	10
34F006	KINGSLEY 2	305717081244701	720.00	30 57 17 N 081 24 47 W	10
33D007	MILLER, F	304326081330101	525.00	30 43 26 N 081 33 01 W	10
30G003	MILLER, S T	310549081532101	724.00	31 05 59 N 081 53 16 W	25
33E023	NORIEKA, RICHARD	305031081342701	650.00	30 50 31 N 081 34 27 W	16
34F011	PLATT	305813081250501	702.00	30 58 13 N 081 25 05 W	10
34F012	POMEROY	305824081243501	698.00	30 58 24 N 081 24 35 W	10
32E036	POUNDS MOBILE HM PK	305056081385201	350.00	30 50 56 N 081 38 52 W	16
33E002	RAYONIER, INC	304627081371201	474.00	30 46 27 N 081 37 12 W	22
34F007	RICHARDSON	305739081243601	580.00	30 57 39 N 081 24 36 W	10

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
CAMDEN COUNTY -- CONTINUED					
34G040	SAM LEWIS MARINE FRM	310036081275501	777.00	31 00 36 N 081 27 55 W	5
31E005	SILCOX, O	314821081510301	433.00	30 48 17 N 081 51 09 W	20
33D055	ST MARYS GA 1	304328081325101	761.00	30 43 28 N 081 32 51 W	11
33D054	ST MARYS GA 2	304450081333401	1001.00	30 44 50 N 081 33 34 W	22
33D047	ST MARYS KRAFT-BAG 1	304454081341701	125.00	30 44 54 N 081 34 17 W	20
33D057	ST MARYS KRAFT-BAG 3	304453081342901	114.00	30 44 53 N 081 34 29 W	15
33D056	ST MARYS KRAFT-BAG 4	304447081342901	1095.00	30 44 47 N 081 34 29 W	17
32E030	STANDARD OIL KINGSLD	304739081413701	70.00	30 47 37 N 081 41 19 W	31
31F001	SULLIVAN, J S	305556081463401	420.00	30 56 01 N 081 45 48 W	20
31E012	UNION CAMP B1	305107081513001	4690.00	30 51 07 N 081 51 30 W	22
32E034	UNION CAMP C1	305103081462701	4597.00	30 50 42 N 081 44 10 W	20
33E018	USN KINGS BAY CLUB	304758081310501	486.00	30 48 00 N 081 31 05 W	10
33E004	USN KINGS BAY ETOWAH	304907081323701	516.00	30 49 10 N 081 32 38 W	16
33E027	USN KINGS BAY TW 1	304756081311101	990.00	30 47 56 N 081 31 11 W	10
33E032	USN KINGS BAY 1	304739081343101	894.00	30 47 39 N 081 34 31 W	30
33E033	USN KINGS BAY 2	304741081334101	813.00	30 47 43 N 081 33 42 W	25
33E035	USN KINGS BAY 3	304759081311901	800.00	30 47 59 N 081 31 19 W	12
33E034	USN KINGS BAY 4	304752081311201	810.00	30 47 52 N 081 31 12 W	12
31G015	WALKER, R	310152081472601	520.00	31 01 30 N 081 47 05 W	20
CHARLTON COUNTY					
30E007	HUMPHREYS OBS 1	305226081593701	918.00	30 52 28 N 081 59 35 W	91.70
30E004	O C MIZELL 1	304725081592401	825.00	30 47 23 N 081 59 16 W	20
27E002	USGS OK 8	304943082213701	591.00	30 49 43 N 082 21 38 W	116
27E004	USGS OK 9	304942082213801	700.00	30 49 43 N 082 21 38 W	116
CHATHAM COUNTY					
36Q021	AMOCO OIL CO	320637081072801	727.00	32 06 39 N 081 07 35 W	14
37P106	B DETTES MOBILE BLUF	315747081061001	400.00	31 57 47 N 081 06 10 W	17
37P107	B DETTES MOBILE BLUF	315748081060701	400.00	31 57 48 N 081 06 07 W	15
35Q032	BACON, MRS JAMES	320132081183301	385.00	32 01 33 N 081 18 52 W	11
37Q034	BENEDICTINE SCHOOL	320028081054201	327.00	32 00 29 N 081 05 42 W	28

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
CHATHAM COUNTY -- CONTINUED					
37P013	BETHESDA ORPHANAGE	315733081053301	606.00	31 57 33 N 081 05 33 W	11
36Q181	BILTMORE GARDENS MHP	320239081104801	380.00	32 02 39 N 081 10 48 W	34
35R025	BLOOMINGDALE, GA 1	320738081175401	500.00	32 07 38 N 081 17 55 W	20
36Q035	BRADLEY PLYWOOD CO	320516081075601	320.00	32 05 16 N 081 07 56 W	21
37P007	BSA, CAMP STRACHAN	315702081072901	452.00	31 57 02 N 081 07 29 W	10
37P086	BURNSIDE VIEW SUBDIV	315544081045701	600.00	31 55 47 N 081 04 58 W	10
37Q082	CARIBBEAN LUMBER(82)	320503081053001	600.00	32 05 03 N 081 05 30 W	5
37Q083	CARIBBEAN LUMBER(83)	320517081052601	645.00	32 05 15 N 081 05 26 W	5
35Q017	CARTER, A C & L J	320536081201401	365.00	32 05 36 N 081 20 14 W	21
36Q022	CERTAIN-TEED	320634081074401	540.00	32 06 34 N 081 07 44 W	9
37Q095	CHATHAM CO BD OF ED	320354081073001	325.00	32 03 52 N 081 07 29 W	12
37Q073	CHATHAM CO BD OF ED	320159081033701	370.00	32 02 02 N 081 03 36 W	11
35R010	CHATHAM CO BD OF ED	320737081180101	392.00	32 07 37 N 081 18 00 W	24
36R009	CHEROKEE OIL TW	320738081111001	2130.00	32 07 33 N 081 11 03 W	22
37Q005	COLONIAL OIL IND INC	320604081070101	557.00	32 06 04 N 081 07 04 W	14
37Q006	COLONIAL OIL IND INC	320604081070601	378.00	32 06 04 N 081 07 02 W	12
37P037	CORY, A E	315823081045901	340.00	31 58 23 N 081 04 59 W	18
36Q320	COTTONVALE EST	320116081133401	500.00	32 01 16 N 081 13 34 W	15
37Q098	CRYSTAL ICE CO	320425081055401	628.00	32 04 25 N 081 05 54 W	45
37Q056	DERENNE APTS.	320428081053501	650.00	32 04 28 N 081 05 35 W	40
37Q033	DERST BAKING CO	320258081072801	568.00	32 02 58 N 081 07 28 W	19
35P095	DITMEYER, F J	315851081153801	505.00	31 59 51 N 081 15 38 W	12
38Q010	DUNFORD,C E	320022080591401	250.00	32 00 32 N 080 59 14 W	15
37Q101	DUNN, T T	320102081052101	542.00	32 01 02 N 081 05 21 W	18
37Q029	E & W LAUNDRY	320353081062201	516.00	32 03 52 N 081 06 22 W	41
37Q160	EAST PINES SUBDIV	320321081005501	400.00	32 03 21 N 081 01 01 W	10
37P003	FEATHERSTON, W H	315851081061801	323.00	31 58 51 N 081 06 18 W	23
37P005	FOREST CITY GUN CLUB	315838081054301	353.00	31 58 40 N 081 05 42 W	20
37Q068	FOREST LAWN MEMOR PK	320253081023301	409.00	32 02 51 N 081 02 35 W	15
37P002	FUNK, A J 2	315947081025101	344.00	31 59 47 N 081 02 51 W	11
36Q019	GA DOT US17 GA307	320137081132301	540.00	32 01 37 N 081 13 23 W	10
35P085	GA DOT US17-CHEVIS	315948081153601	420.00	31 59 48 N 081 15 36 W	16
36Q299	GA PACIFIC CORP	320601081104401	550.00	32 05 58 N 081 10 49 W	15
36Q012	GA PACIFIC PLYWOOD	320555081105101	568.00	32 05 56 N 081 10 50 W	15
36Q040	GA PORT AUTH	320709081083701	640.00	32 07 09 N 081 08 34 W	20

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
CHATHAM COUNTY -- CONTINUED					
36Q005	GAF CORP 1	320657081075701	608.00	32 06 57 N 081 07 57 W	11
36Q041	GARDEN CITY, GA	320649081092001	500.00	32 06 50 N 081 09 18 W	12
36Q007	GARDEN CITY, GA 1	320714081090001	740.00	32 07 12 N 081 09 00 W	8
36Q272	GAY, PIOTT	320600081132401	332.50	32 06 00 N 081 13 20 W	14
38Q019	GOLDEN ISLES	320130080580301	320.00	32 01 30 N 080 58 03 W	15
37P012	GORDON, ROY	315621081072101	238.00	31 56 21 N 081 07 21 W	15
37Q072	GRAYS SUBDIVISION	320248081003601	348.00	32 02 47 N 081 00 36 W	12
37Q090	GREAT DANE TR MFG CO	320528081063701	570.00	32 05 28 N 081 06 37 W	8
37Q087	GREAT DANE TR MFG CO	320547081065901	605.00	32 05 47 N 081 07 00 W	10
37P076	GROVE PARK WATER CO	315942081061201	400.00	31 59 42 N 081 06 11 W	16
36Q060	HALL, MARY	320528081102001	384.00	32 05 28 N 081 10 18 W	25
38Q022	HARBOUR CREEK SUBDIV	320127080582801	300.00	32 01 27 N 080 58 28 W	8
37P010	HARMON, JACK	315557081051301	406.00	31 55 57 N 081 05 12 W	8
36Q030	HERCULES INC 01	320519081090301	750.00	32 05 19 N 081 09 03 W	11
36Q031	HERCULES INC 02	320517081085701	755.00	32 05 18 N 081 08 58 W	10
36Q032	HERCULES INC 03	320515081085101	1006.00	32 05 16 N 081 08 53 W	10
36Q033	HERCULES INC 04	320512081084801	921.00	32 05 14 N 081 08 50 W	10
36Q326	HOLIDAY MOBILE HM PK	320252081114201	440.00	32 03 05 N 081 11 33 W	21
35R001	HORNE, C W	320733081165201	390.00	32 07 33 N 081 16 52 W	21
37Q013	HOTEL MANGER	320445081053001	659.00	32 04 45 N 081 05 30 W	45
36Q017	HOWARD JOHNSONS MTL	320314081085001	448.00	32 03 14 N 081 08 50 W	12
37Q091	HUNT WESSON 01	320550081065201	1020.00	32 05 50 N 081 06 51 W	12
37Q092	HUNT WESSON 02	320545081065301	1000.00	32 05 45 N 081 06 55 W	9
37Q094	HUNT WESSON 03	320548081065501	665.00	32 05 48 N 081 06 55 W	9
37Q093	HUNT WESSON 04	320552081064801	742.00	32 05 52 N 081 06 49 W	12
36Q284	HUNTER AFB 09	320019081100701	623.00	32 00 19 N 081 10 08 W	15
37P015	ISLE OF HOPE SCHOOL	315849081035001	325.00	31 58 49 N 081 03 50 W	13
37P009	JOHNSON, D, ISL HPE	315857081030201	521.00	31 58 57 N 081 03 02 W	10
35R017	JOHNSON, K	320824081194001	425.00	32 08 25 N 081 19 35 W	42
37P043	KNIGHT, RUFUS	315707081061701	345.00	31 57 02 N 081 06 19 W	16
37P019	LAKESIDE PARK 01	315950081040001	400.00	31 59 50 N 081 04 00 W	15
37P020	LAKESIDE PARK 02	315956081040001	350.00	31 59 53 N 081 04 09 W	19
37P087	LANDINGS NO 1	315659081014301	600.00	31 57 00 N 081 01 44 W	13
37P088	LANDINGS NO 2	315719081011001	600.00	31 57 19 N 081 01 10 W	13
36Q297	LARCHMONT SUBDIV	320131081142501	750.00	32 01 34 N 081 14 24 W	12

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
CHATHAM COUNTY -- CONTINUED					
36Q008	LAYNE ATLANTIC	320530081085001	406.00	32 05 30 N 081 08 50 W	10
38Q007	LAZZARETO FISH CAMP	320048080525801	335.00	32 00 48 N 080 52 58 W	9
37Q053	LINDSAY & MORGAN INC	320438081053501	360.00	32 04 38 N 081 05 36 W	40
37P064	LINSKEY, M P	315717081064801	345.00	31 57 16 N 081 06 48 W	15
35Q045	LITCHFIELD ESTATES	320003081170301	665.00	32 00 03 N 081 16 58 W	9
37Q012	LUCAS THEATER	320442081052101	504.00	32 04 42 N 081 05 21 W	43
36Q125	MCCALLAN	320308081085801	341.00	32 03 09 N 081 08 58 W	13
36Q038	MEDDIN PACKAGE CO 2	320456081074401	533.00	32 04 57 N 081 07 44 W	15
37Q180	MEMORIAL MEDICAL CTR	320148081052401	1000.00	32 01 48 N 081 05 24 W	20
35Q035	MERCER	320125081191801	300.00	32 01 26 N 081 19 18 W	8
35Q004	MORGAN, W D	320604081151301	365.00	32 06 04 N 081 15 16 W	18
36Q020	MORRISON, H J	320021081124801	365.00	32 00 18 N 081 12 48 W	13
37P083	OCEAN SCIENCE CENTER	315914081011001	485.00	31 59 16 N 081 01 13 W	9
37P084	OCEAN SCIENCE CENTER	315918081011601	872.00	31 59 18 N 081 01 16 W	9
35P087	OGEECHEE FARMS	315907081152601	435.50	31 59 07 N 081 15 26 W	11
36R005	OLIVER, C E, EST	321118081113701	300.00	32 11 18 N 081 11 37 W	13
37P108	PAXTON HEIGHTS SBDV	315900081035201	420.00	31 59 00 N 081 03 52 W	11
38P013	PETIT CHOU TW 01	315639080553901	271.00	31 56 39 N 080 55 43 W	8
36P087	PINE GROVE SUBDIV	315930081132201	460.00	31 59 30 N 081 13 22 W	18
36Q318	POOLER TW 1	320701081131901	840.00	32 07 01 N 081 13 19 W	20
36Q283	POOLER, GA, 1	320656081145801	610.00	32 06 56 N 081 14 59 W	23
36R010	PORT WENTWORTH, GA 1	320918081095001	650.00	32 09 18 N 081 09 50 W	20
36R008	PORT WENTWORTH, GA 2	320920081095201	502.00	32 09 20 N 081 09 52 W	16
36Q011	PORTER HUGGINS CONST	320459081075301	480.00	32 04 59 N 081 07 53 W	16
36R006	PT WENTWORTH CORP 1	320759081110301	1088.00	32 07 59 N 081 11 03 W	40
37Q063	QUALITY ICE CO	320341081045201	498.00	32 03 42 N 081 04 52 W	18
36Q164	RAHN DAIRY	320150081103401	375.00	32 01 50 N 081 10 38 W	22
34Q009	RAMSEY FISHING CAMP	320449081230501	447.00	32 04 49 N 081 23 05 W	17
35Q043	REGENCY MOBILE HM PK	320200081152501	600.00	32 02 00 N 081 15 25 W	11
37Q096	REYNOLDS-MANLEY L1	320243081070001	346.00	32 02 43 N 081 06 59 W	19
37Q097	REYNOLDS-MANLEY L2	320247081061001	514.00	32 02 48 N 081 07 06 W	15
37P004	RIO VISTA SUBDIV	315543081051101	572.00	31 55 42 N 081 05 12 W	10
38Q020	RIVER OAKS SUBDIV	320158080574701	300.00	32 01 58 N 080 57 47 W	14
37P078	RIVERS END SUBDIV 01	315921081065901	440.00	31 59 29 N 081 06 46 W	18
37P079	RIVERS END SUBDIV 02	315924081064601	400.00	31 59 24 N 081 06 46 W	24

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
CHATHAM COUNTY -- CONTINUED					
36Q325	ROGERS MOBILE HM PK	320244081114901	424.00	32 02 44 N 081 11 49 W	22
37Q080	SAV CNTRY CLUB EST	320129081003401	563.00	32 01 29 N 081 00 36 W	7
37Q049	SAV ELEC & PWR CO R1	320501081054601	1003.00	32 05 01 N 081 05 46 W	19
37Q050	SAV ELEC & PWR CO R2	320459081054501	611.00	32 04 59 N 081 05 44 W	10
37Q051	SAV ELEC & PWR CO R3	320458081054401	914.00	32 04 58 N 081 05 41 W	19
36R001	SAV ELEC & PWR CO 1	320854081085401	966.00	32 08 53 N 081 08 49 W	16
36R002	SAV ELEC & PWR CO 2	320856081085001	971.00	32 08 54 N 081 08 49 W	16
36R003	SAV ELEC & PWR CO 3	320902081085501	963.00	32 09 01 N 081 08 50 W	8
37Q046	SAV INN & CNTRY CLUB	320016081000102	438.00	32 00 16 N 081 00 01 W	15
37Q045	SAV INN & CNTRY CLUB	320016081000101	480.00	32 00 16 N 081 00 01 W	15
36R012	SAV SUGAR REFINERY	320835081083901	677.00	32 08 33 N 081 08 48 W	17
39Q005	SAVANNAH BEACH 1(33)	320040080503101	402.00	32 00 40 N 080 50 31 W	10
39Q006	SAVANNAH BEACH 1(39)	320041080503201	402.00	32 00 41 N 080 50 32 W	10
39Q001	SAVANNAH BEACH 2	320124080510101	575.00	32 01 24 N 080 51 01 W	13
39P001	SAVANNAH BEACH 3	315942080505701	645.00	31 59 42 N 080 50 57 W	9
39Q004	SAVANNAH BEACH 4	320118080504701	602.00	32 01 18 N 080 50 47 W	6
37Q015	SAVANNAH GAS CO 1	320440081045701	695.00	32 04 40 N 081 04 57 W	19
37Q164	SAVANNAH ST COLLEGE	320128081032501	700.00	32 01 28 N 081 03 25 W	25
37Q032	SAVANNAH, GA 01	320131081044901	1000.00	32 01 32 N 081 04 49 W	25
37Q021	SAVANNAH, GA 01(OBS)	320350081054801	800.00	32 04 00 N 081 05 49 W	41
37Q024	SAVANNAH, GA 02	320419081065101	540.00	32 04 21 N 081 06 51 W	15
37Q022	SAVANNAH, GA 02(OBS)	320402081054801	797.50	32 04 02 N 081 05 49 W	41
37Q025	SAVANNAH, GA 03	320417081064801	700.00	32 04 17 N 081 06 47 W	9
37Q026	SAVANNAH, GA 04	320415081062901	696.00	32 04 13 N 081 06 29 W	13
37Q162	SAVANNAH, GA 05NEW	320356081055401	903.00	32 03 54 N 081 05 53 W	41
37Q020	SAVANNAH, GA 05OLD	320401081054801	603.00	32 04 01 N 081 05 49 W	41
37Q035	SAVANNAH, GA 06	320040081054901	750.00	32 00 40 N 081 05 47 W	27
37Q030	SAVANNAH, GA 07	320249081050701	525.00	32 02 49 N 081 05 07 W	16
37Q038	SAVANNAH, GA 08	320325081040501	595.00	32 03 25 N 081 04 04 W	28
37Q031	SAVANNAH, GA 09	320219081061401	710.00	32 02 19 N 081 06 14 W	20
36Q016	SAVANNAH, GA 10	320525081075001	702.00	32 05 25 N 081 07 50 W	20
37Q040	SAVANNAH, GA 11	320350081033501	697.00	32 03 50 N 081 03 35 W	30
37Q028	SAVANNAH, GA 12	320327081054501	505.00	32 03 27 N 081 05 45 W	38
37P006	SAVANNAH, GA 13	315948081070701	1000.00	31 59 48 N 081 07 05 W	18
36P034	SAVANNAH, GA 14	315827081083401	800.00	31 58 28 N 081 08 30 W	15

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
CHATHAM COUNTY -- CONTINUED					
37Q066	SAVANNAH, GA 16	320439081030001	650.00	32 04 39 N 081 03 02 W	11
36Q013	SAVANNAH, GA 18	320710081114301	681.00	32 07 09 N 081 11 43 W	34
36Q014	SAVANNAH, GA 19	320729081113401	680.00	32 07 29 N 081 11 31 W	45
38Q190	SAVANNAH, GA 20	320043080583701	474.00	32 00 42 N 080 58 39 W	6
38P001	SAVANNAH, GA 21	315928080592001	427.00	31 59 30 N 080 59 20 W	9
38P012	SAVANNAH, GA 22	315943080591201	576.00	31 59 43 N 080 59 11 W	12
36P090	SAVANNAH, GA 23	315805081091901	639.00	31 58 05 N 081 09 14 W	20
38Q192	SAVANNAH, GA 24	320050081581201	340.00	32 00 49 N 080 58 07 W	8
36Q302	SAVANNAH, GA 25	320227081085301	540.00	32 02 25 N 081 08 54 W	20
36P036	SAVANNAH, GA 36	315922081084501	414.00	31 59 22 N 081 08 45 W	18
37Q027	SCL RR	320413081062201	533.00	32 04 13 N 081 06 22 W	21
37Q016	SCL RR DOCKS	320433081042701	500.00	32 04 33 N 081 04 27 W	5
36Q112	SCL RR,SAV SHOPS	320119081085201	508.00	32 01 49 N 081 08 53 W	15
38Q193	SO NATL GAS	320445080591701	307.00	32 04 47 N 080 59 17 W	17
37Q065	SO ST PHOS & FERT 1	320419081035701	617.00	32 04 27 N 081 03 47 W	12
37Q157	SO ST PHOS & FERT 2	320425081034401	800.00	32 04 25 N 081 03 45 W	15
37Q173	SO UN GNANN HAMMOCK	320035081022501	500.00	32 00 35 N 081 02 25 W	10
38Q194	SOUTHERN ENERGY 2	320500080593001	329.00	32 05 01 N 080 59 30 W	19
37Q009	SOUTHERN MARINE SPLY	320511081060201	500.00	32 05 08 N 081 06 01 W	19
38Q012	SOUTHWINDS SBDV	320029080574201	545.00	32 00 29 N 080 57 42 W	10
37Q017	STANDARD OIL CO	320443081023701	652.00	32 04 43 N 081 02 37 W	6
36Q042	STATE FARMERS MARKET	320531081091301	500.00	32 05 31 N 081 09 08 W	12
37Q089	SWIFT AGRI CHEM	320601081065401	365.00	32 06 01 N 081 06 54 W	12
36Q279	THOMPSON, HARRY	320649081135901	430.00	32 06 44 N 081 13 59 W	22
36P018	THOMPSON, W R	315832081145201	365.00	31 58 32 N 081 14 52 W	14
37Q041	THUNDERBOLT, GA 01	320152081030701	580.00	32 01 52 N 081 03 08 W	21
37Q042	THUNDERBOLT, GA 02	320152081030101	516.00	32 01 52 N 081 03 01 W	12
37Q071	TRADEWIND CO INC(47)	320147081030101	802.00	32 01 48 N 081 03 01 W	6
37Q070	TRADEWIND CO INC(49)	320149081030101	300.00	32 01 48 N 081 03 02 W	5
37Q002	UNION CAMP 01	320617081071501	1000.00	32 06 17 N 081 07 15 W	10
37Q003	UNION CAMP 02	320611081070901	1000.00	32 06 11 N 081 07 10 W	11
36Q001	UNION CAMP 03	320609081073301	947.00	32 06 10 N 081 07 32 W	11
36Q002	UNION CAMP 04	320558081074701	603.00	32 05 58 N 081 07 46 W	11
37Q001	UNION CAMP 05	320614081071801	1010.00	32 06 12 N 081 07 18 W	10
36R004	UNION CARBIDE CO	321034081092801	305.00	32 10 34 N 081 09 28 W	13

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
CHATHAM COUNTY -- CONTINUED					
36Q285	US ARMY, HUNTER, 1	320145081080601	504.00	32 01 45 N 081 08 06 W	23
36Q286	US ARMY, HUNTER, 2	320115081074501	555.00	32 01 15 N 081 07 45 W	35
36Q287	US ARMY, HUNTER, 3	320002081091001	370.00	32 00 03 N 081 09 12 W	40
36Q290	US ARMY, HUNTER, 4	320058081095501	300.00	32 00 58 N 081 09 55 W	15
36Q288	US ARMY, HUNTER, 5	320001081110401	380.00	32 00 01 N 081 11 04 W	11
37Q156	US CORP OF ENGR (20)	320452081044701	350.00	32 04 52 N 081 04 48 W	9
37Q086	US CORP OF ENGR (64)	320452081044801	490.00	32 04 52 N 081 04 47 W	9
37Q011	US POSTAL SERVICE 01	320442081053601	702.00	32 04 42 N 081 05 36 W	41
37Q010	US POSTAL SERVICE 02	320440081053501	695.00	32 04 40 N 081 05 35 W	42
38Q003	USGS TW 01	320151080540401	745.00	32 01 51 N 080 54 04 W	8
38Q004	USGS TW 04	320151080540502	657.00	32 01 51 N 080 54 05 W	8
37Q023	USGS TW 05 PT 1	320404081070001	930.00	32 04 04 N 081 06 59 W	14
37Q181	USGS TW 05 PT2	320404081070002	830.00	32 04 04 N 081 06 59 W	14
38Q006	USGS TW 06	320358080585201	842.00	32 03 55 N 080 58 45 W	7
38Q199	USGS TW 06 PT 1	320358080585202	600.00	32 03 55 N 080 58 45 W	7
38Q200	USGS TW 06 PT 2	320358080585203	500.00	32 03 55 N 080 58 45 W	7
39Q017	USGS TW 07 PT 1	320122080510202	745.00	32 01 22 N 080 51 01 W	7.00
39Q003	USGS TW 07 PT 3	320122080510204	600.00	32 01 22 N 080 51 01 W	7
35P094	USGS UGA OBS WELL	315950081161201	15.00	31 59 50 N 081 16 12 W	18.67
38Q115	USNPS COCKSPUR	320136080532601	260.00	32 01 36 N 080 53 26 W	8
38Q001	USNPS FT PUL (PIC)	320150080540201	535.00	32 01 50 N 080 54 02 W	8
38Q002	USNPS FT PUL (PIL)	320202080541201	348.00	32 02 01 N 080 54 11 W	8
38Q116	USNPS FT PULASKI	320135080533301	386.00	32 01 35 N 080 53 33 W	5
36P030	VAN SCHAICK	315620081073501	376.00	31 56 20 N 081 07 35 W	18
38Q013	WALTHOUR, H, ESTATE	320045080572901	235.00	32 00 45 N 080 58 29 W	5
37P110	WHITFIELD MOBILE EST	315659081064601	450.00	31 56 59 N 081 06 46 W	16
38Q136	WILMINGTON ISL SCH	320031080590501	360.00	32 00 33 N 080 59 05 W	18
38P002	WILMINGTON PARK SBDV	315947080593701	427.00	31 59 47 N 080 59 37 W	11
37P038	WIMBERLY ON MARSH	315854081040101	502.00	31 58 54 N 081 04 01 W	8
37Q154	YOUNG, EARL	320038081033701	310.00	32 00 38 N 081 03 35 W	12
35Q042	ZIPPER, J F	320003081164801	415.00	32 00 23 N 081 15 58 W	17

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY					
34H112	ABBOTT ICE HOUSE	310841081294101	780.00	31 08 41 N 081 29 41 W	9
34J025	ALTAMA PLANTATION 66	312007081293901	716.00	31 20 07 N 081 29 39 W	17
34J050	ALTAMA PLANTATION 71	311933081284301	824.00	31 19 39 N 081 28 46 W	22
34H345	AMERICAN NATL BANK	310858081293501	780.00	31 08 57 N 081 29 35 W	12
34G001	BABCOCK AND WILCOX	310726081285801	1007.00	31 07 26 N 081 28 58 W	9
35H006	BAGLEY, H W	311302081215001	699.00	31 13 02 N 081 21 50 W	15
33J008	BAR NONE RANCH	311906081333801	861.00	31 19 06 N 081 33 38 W	13
33H147	BARNES, ROBERT D.	311003081300301	570.00	31 09 56 N 081 35 11 W	13
33H167	BEASLEY-MIMS	311030081301101	549.00	31 10 30 N 081 30 11 W	13
34H381	BEGGS, R	310959081232501	630.00	31 09 59 N 081 23 25 W	10
33H086	BENNETT, B.	311215081305001	680.00	31 12 15 N 081 30 50 W	13
34H145	BENNETT, GEORGE	311005081261501	430.00	31 10 05 N 081 26 15 W	6
34H061	BENTON BROS STORAGE	311010081283801	520.00	31 10 10 N 081 28 38 W	10
34H338	BEVERLY SHORES OP	311227081283101	767.00	31 12 27 N 081 28 30 W	16
34H035	BEVERLY SHORES 2	311211081280601	760.00	31 12 11 N 081 28 06 W	12
33J027	BLACKERBY, D G	311958081352701	788.00	31 20 00 N 081 35 35 W	17
34H362	BLOODWORTH,F H	311024081241901	803.00	31 10 24 N 081 24 19 W	14
33H021	BLYTHE ISLAND	310946081333001	514.00	31 09 46 N 081 33 25 W	9
34H341	BROCKINGTON, ALFRED	311232081223001	993.00	31 12 32 N 081 22 30 W	14
34H384	BRUNSWICK CNTRY CLUB	311315081275801	792.00	31 13 19 N 081 27 58 W	13
34H392	BRUNSWICK JR COLLEGE	311108081291001	660.00	31 11 10 N 081 29 04 W	16
32H001	BRUNSWICK P&P BLADEN	311445081423801	500.00	31 14 45 N 081 42 38 W	19
33H108	BRUNSWICK P&P 01	311028081311401	871.00	31 10 27 N 081 31 13 W	13
33H109	BRUNSWICK P&P 02	311023081311201	849.00	31 10 23 N 081 31 12 W	14
33H169	BRUNSWICK P&P 02 SHA	311022081311401	200.00	31 10 22 N 081 31 13 W	13
33H110	BRUNSWICK P&P 03	311041081304701	1050.00	31 10 41 N 081 30 46 W	7
33H111	BRUNSWICK P&P 04	311039081311801	1043.00	31 10 39 N 081 31 18 W	7
33H178	BRUNSWICK P&P 04 NEW	311045081312001	850.00	31 10 36 N 081 31 17 W	7
33H112	BRUNSWICK P&P 05	311007081311401	1019.00	31 10 07 N 081 31 13 W	11
33H183	BRUNSWICK P&P 05 NEW	311007081311402	850.00	31 10 07 N 081 31 13 W	11
33H113	BRUNSWICK P&P 06	310955081311701	1076.00	31 09 55 N 081 31 17 W	10
33H115	BRUNSWICK P&P 07	311034081305601	935.00	31 10 36 N 081 30 55 W	9
33H114	BRUNSWICK P&P 08	311027081310801	1006.00	31 10 27 N 081 31 06 W	10
33H116	BRUNSWICK P&P 09	311021081305401	928.00	31 10 20 N 081 30 54 W	6
33H117	BRUNSWICK P&P 10	311018081303901	1030.00	31 10 18 N 081 30 39 W	11

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY -- CONTINUED					
33H118	BRUNSWICK P&P 11	311005081305701	991.00	31 10 08 N 081 30 58 W	7
34H120	BWK F ST	310858081295101	955.00	31 08 58 N 081 29 52 W	10
34H013	BWK FLETC	311355081281701	1063.00	31 13 54 N 081 28 18 W	20
34H025	BWK GLYNCO ANNEX	311312081282901	820.00	31 13 26 N 081 28 26 W	19
34H133	BWK GOODYEAR	311034081285801	800.00	31 10 35 N 081 28 58 W	12
34H091	BWK N SHIP	310753081290201	736.00	31 07 53 N 081 29 01 W	6
34H094	BWK S SHIP	310731081291301	735.00	31 07 31 N 081 29 13 W	9
34H134	BWK VILLA	311051081295501	942.00	31 10 51 N 081 29 55 W	13
33H175	BWK, GLYNDALE 1	311255081312401	811.00	31 12 55 N 081 31 23 W	17
33H038	CAMP GLYNN	311239081340501	780.00	31 12 39 N 081 34 05 W	9
34H406	CAMP ISLANDER	311354081223601	721.00	31 13 54 N 081 22 36 W	10
33H035	CAMP TOLOCHEE	311120081340101	720.00	31 11 19 N 081 34 02 W	8
34H385	CHAMPION, EM 1	311016081294201	572.00	31 10 16 N 081 29 42 W	14
34H427	CHAMPION, EM 2	311016081294202	640.00	31 10 16 N 081 29 42 W	14
34H122	COASTAL BANK	310859081294201	573.00	31 08 59 N 081 29 41 W	14
34H085	COFFIN PARK	310906081284601	623.00	31 09 06 N 081 28 46 W	7
34H387	COLLEGE PL METH CH	311115081291301	120.00	31 11 15 N 081 29 13 W	16
33H010	COWAN, GEORGE	310900081341401	414.00	31 09 00 N 081 34 15 W	6
34H047	CROWN COURT	311118081281501	780.00	31 11 18 N 081 28 15 W	5
33G001	CURRY OIL TEST	310711081363701	1457.00	31 07 11 N 081 36 37 W	8
32H037	CURRY, C K	310739081373900	570.00	31 07 39 N 081 37 39 W	31
33H041	DANIEL, A R	311452081324701	802.00	31 14 51 N 081 32 47 W	20
33H192	DAVIS TEST WELL	311345081370401	1894.00	31 13 45 N 081 37 04 W	10
34H383	DERRY, INEZ	311154081230001	758.00	31 11 54 N 081 23 00 W	10
34H064	DIXIE-OBRIEN-BACK	311003081282401	632.00	31 10 03 N 081 28 24 W	9
34H062	DIXIE-OBRIEN-FRONT	311005081282701	810.00	31 10 05 N 081 28 27 W	9
34G002	DOT LANIER BRIDGE	310721081285301	750.00	31 07 25 N 081 28 53 W	10
34J051	DOT, I-95	311701081291801	839.00	31 16 47 N 081 29 25 W	35
34H370	ELLZEY, C M	311028081273901	743.00	31 10 28 N 081 27 39 W	8
34H350	ENGLE, MARVIN	311059081240401	576.00	31 10 59 N 081 24 04 W	6
33H149	ESCAMBIA CORP	311450081320301	732.00	31 14 32 N 081 31 41 W	10
34H309	ESTES,C F	311124081223801	750.00	31 11 24 N 081 22 38 W	14
34H128	FIRESTONE	310819081293501	700.00	31 09 19 N 081 29 35 W	11
34H366	FIRST BAPIST CHURCH	310848081293201	791.00	31 08 48 N 081 29 32 W	8
34H339	GA MOTOR LODGE	311306081275501	755.00	31 13 06 N 081 27 55 W	14

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY -- CONTINUED					
34H097	GA. PORTS AUTH.	310755081292701	751.00	31 07 55 N 081 29 27 W	7
34H320	GENTILE, BENNY	311224081223101	685.00	31 12 24 N 081 22 31 W	20
34J049	GLYNCO JETPORT	311559081274501	788.00	31 15 57 N 081 27 46 W	25
34H129	GLYNN CLEANERS	310922081293601	747.00	31 09 22 N 081 29 36 W	11
34H204	GLYNN CO CASINO	310802081234101	750.00	31 08 02 N 081 23 41 W	10
34H369	GLYNN CO GOLF COURSE	311437081284201	796.00	31 14 37 N 081 28 42 W	23
33J013	GLYNN FARMS - POND	311528081364301	487.00	31 15 24 N 081 36 46 W	13
34H113	GOLDEN SHORES 1	310853081295101	737.00	31 08 52 N 081 29 51 W	8
34H389	GOLDEN SHORES 5	310852081295102	737.00	31 08 52 N 081 29 51 W	8
33K006	HADDEN & HADDEN	312523081361001	590.00	31 25 23 N 081 36 14 W	10
34H395	HALL, JIM	311032081224301	573.00	31 10 32 N 081 22 43 W	14
33H079	HAMILTON, R.L.	311233081311001	741.00	31 12 33 N 081 31 10 W	9
34H372	HARRINGTON, L	310832081292101	733.00	31 08 32 N 081 29 21 W	11
34H379	HARRIS, A M, SR	310805081291601	500.00	31 08 05 N 081 29 16 W	11
34H119	HARTRIDGE J49	310859081294902	428.00	31 08 59 N 081 29 49 W	17
34H118	HARTRIDGE 1525 GRANT	310859081294901	986.00	31 08 59 N 081 29 49 W	17
33H150	HAVENWOOD NURSERY	311331081303101	501.00	31 13 31 N 081 30 31 W	15
34H065	HERCULES INC A	310950081285101	664.00	31 09 50 N 081 28 51 W	11
34H066	HERCULES INC B	310951081284901	646.00	31 09 51 N 081 28 49 W	11
34H067	HERCULES INC C	310949081284301	668.00	31 09 49 N 081 28 48 W	10
34H070	HERCULES INC F	310955081285001	887.00	31 09 55 N 081 28 50 W	10
34H071	HERCULES INC H	310951081284601	890.00	31 09 51 N 081 28 46 W	10
34H072	HERCULES INC I	310952081284301	950.00	31 09 52 N 081 28 43 W	10
34H073	HERCULES INC J	310951081285701	890.00	31 09 51 N 081 28 57 W	12
34H074	HERCULES INC K	310959081284401	894.00	31 09 59 N 081 28 44 W	10
34H075	HERCULES INC L	311002081283701	895.00	31 10 02 N 081 28 37 W	9
34H076	HERCULES INC M	310959081290101	911.00	31 09 59 N 081 29 01 W	13
34H077	HERCULES INC N	311007081290301	932.00	31 10 07 N 081 29 03 W	15
34H078	HERCULES INC O	310947081285201	890.00	31 09 48 N 081 28 52 W	10
34H079	HERCULES INC P	310958081283801	912.00	31 09 58 N 081 28 39 W	9
34H390	HERCULES INC PK LOT	310946081284301	409.00	31 09 47 N 081 28 38 W	10
34H412	HERCULES INC Q	311019081292201	630.00	31 10 19 N 081 29 22 W	15
34H411	HERCULES INC R	311003081285701	698.00	31 10 03 N 081 28 57 W	13
34H413	HERCULES INC S	310951081284602	838.00	31 09 51 N 081 28 46 W	10
34H424	HERCULES INC T	311011081293101	745.00	31 10 11 N 081 29 31 W	15

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY -- CONTINUED					
34H425	HERCULES INC U	311017081285701	700.00	31 10 16 N 081 28 58 W	12
33H166	HOLTZENDORF, R	311458081331201	168.00	31 14 54 N 081 33 18 W	11
33H008	HOSMER, H	310839081343901	470.00	31 08 39 N 081 34 39 W	14
33H168	HUDLEY, ROBERT	311217081300201	691.00	31 12 17 N 081 30 02 W	16
34J048	HUMANE SOCIETY	311508081264201	702.00	31 15 09 N 081 26 41 W	14
33H186	HUMBLE/BELL 01	310817081353901	901.00	31 08 17 N 081 35 39 W	19
33J040	HUMBLE/GLYNN FARMS 1	311916081350901	1058.00	31 19 16 N 081 35 09 W	22
33H187	HUMBLE/HARPER 01	311000081361301	955.00	31 10 00 N 081 36 13 W	30
33J041	HUMBLE/SCHLUTER 1	311524081360701	922.00	31 15 24 N 081 36 07 W	6
35J003	HUMBLE/TAYLOR 01	311516081205801	1070.00	31 15 16 N 081 20 58 W	13
34J052	HUMBLE/UNION BAG 055	311745081270900	1589.00	31 17 45 N 081 27 09 W	21
33J038	HUMBLE/UNION BAG 061	312000081321201	1528.00	31 20 00 N 081 32 12 W	15
33J042	HUMBLE/UNION BAG 062	312222081372801	1540.00	31 22 22 N 081 37 28 W	14
32J014	HUMBLE/UNION BAG 072	311504081435101	740.00	31 15 04 N 081 43 51 W	17
33H185	HUMBLE/UNION BAG 074	311433081304601	983.00	31 14 33 N 081 30 46 W	33
32J013	HUMBLE/UNION BAG 075	311644081402701	840.00	31 16 44 N 081 40 27 W	15
32H041	HUMBLE/UNION BAG 076	311254081402501	900.00	31 12 54 N 081 40 25 W	12
32H038	HUMBLE/UNION BAG 077	311003081414901	910.00	31 10 03 N 081 41 49 W	16
32H043	HUMBLE/UNION BAG 078	310820081381301	820.00	31 08 20 N 081 38 13 W	14
31H006	HUMBLE/UNION BAG 079	310913081453201	905.00	31 09 13 N 081 45 32 W	14
31H008	HUMBLE/UNION BAG 081	311216081454701	914.00	31 12 16 N 081 45 47 W	60
32H042	HUMBLE/UNION BAG 089	311343081392101	967.00	31 13 43 N 081 39 21 W	16
33J039	HUMBLE/UNION BAG 090	311748081312401	1130.00	31 17 48 N 081 31 24 W	35
32J012	HUMBLE/UNION BAG 091	311559081383701	935.00	31 15 59 N 081 38 37 W	12
32H039	HUMBLE/UNION BAG 093	310915081400801	896.00	31 09 15 N 081 40 08 W	17
33H184	HUMBLE/UNION BAG 094	311353081365301	944.00	31 13 53 N 081 36 53 W	12
31H009	HUMBLE/UNION BAG 096	311353081453601	960.00	31 13 53 N 081 45 36 W	55
31H007	HUMBLE/UNION BAG 097	311051081455801	884.00	31 10 51 N 081 45 58 W	18
32H040	HUMBLE/UNION BAG 100	311211081432401	920.00	31 12 11 N 081 43 24 W	18
34H238	JACKSON	310825081230001	406.00	31 08 25 N 081 23 00 W	9
34G015	JEKYLL ISLAND OLD 1	310402081242201	706.00	31 04 02 N 081 24 22 W	16
34H098	JEKYLL ISLAND PACK.	310801081293401	780.00	31 08 01 N 081 29 34 W	8
34G031	JEKYLL ISLAND 01	310403081242201	780.00	31 04 03 N 081 24 22 W	16
34G011	JEKYLL ISLAND 02	310244081244701	774.00	31 02 41 N 081 24 48 W	16
34G035	JEKYLL ISLAND 04	310134081250801	685.00	31 01 34 N 081 25 08 W	10

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY -- CONTINUED					
34G013	JEKYLL ISLAND 06	310315081243501	764.00	31 03 15 N 081 24 35 W	10
34G024	JEKYLL ISLAND 07	310339081251301	745.00	31 03 39 N 081 25 13 W	10
34G033	JEKYLL ISLAND 09	310418081244701	690.00	31 04 18 N 081 24 47 W	13
34G032	JEKYLL ISLAND 10	310413081252001	776.00	31 04 13 N 081 25 20 W	12
34G008	JEKYLL ISLAND 12	310112081254601	718.00	31 01 17 N 081 25 38 W	8
34G017	JEKYLL ISLAND 13	310658081250101	715.00	31 06 58 N 081 25 01 W	7
34G026	JEKYLL ISLAND 14	310333081251001	480.00	31 03 34 N 081 25 10 W	10
34G007	JEKYLL ISLAND 15	310115081255801	393.00	31 01 15 N 081 25 58 W	13
34G025	JEKYLL ISLAND 16	310334081251901	480.00	31 03 34 N 081 25 19 W	10
34G004	JEKYLL ISLAND 17	310331081264701	781.00	31 03 31 N 081 26 47 W	6
34G003	JEKYLL ISLAND 18	310610081292701	692.00	31 06 10 N 081 29 28 W	6
34G006	JEKYLL ISLAND 20	310249081253801	464.00	31 02 49 N 081 25 38 W	11
34G018	JEKYLL ISLAND 21	310610081244201	715.00	31 06 10 N 081 24 43 W	10
34G020	JEKYLL ISLAND 23	310510081251601	755.00	31 05 10 N 081 25 16 W	10
34G009	JEKYLL ISLAND 24	310103081254001	706.00	31 01 03 N 081 25 40 W	10
33H100	JENKINS THEATRE	311127081302401	777.00	31 11 29 N 081 30 21 W	12
33H131	JENKINS,S O, PASTURE	311429081342601	766.00	31 14 29 N 081 34 26 W	4
34J021	JOB CORP	311524081271101	998.00	31 15 25 N 081 27 17 W	17
33H146	JOHNSON ARCO LAUNDRY	311048081300801	800.00	31 10 48 N 081 30 08 W	14
33H145	JUSTICE, CLIFFORD	311003081300201	514.00	31 10 03 N 081 30 03 W	14
34H364	KENNEDY, R L	310819081294001	402.00	31 08 19 N 081 29 40 W	10
33H165	KESSIE, RALPH	311110081323701	748.00	31 11 10 N 081 32 37 W	9
34H414	KING & PRINCE HOTEL	310938081235001	708.00	31 09 38 N 081 23 50 W	15
34H398	KING SHRIMP CO	310745081290401	720.00	31 07 49 N 081 29 04 W	7
34H352	KING, R W	311500081264001	780.00	31 14 59 N 081 26 42 W	15
34H088	KNIGHT, ANN	310839081291001	427.00	31 08 39 N 081 29 10 W	8
33H176	KOA CAMPGROUND	310842081345101	763.00	31 08 42 N 081 34 52 W	16
34H410	LAWS, JOHN SR.	311211081274601	724.00	31 12 11 N 081 27 46 W	7
33H101	LCP INC., 01	311121081302501	1026.00	31 11 17 N 081 30 29 W	10
33H102	LCP INC., 02	311112081301901	983.00	31 11 11 N 081 30 19 W	15
33H103	LCP INC., 03	311103081302501	983.00	31 11 04 N 081 30 30 W	10
33H104	LCP INC., 04	311114081303501	600.00	31 11 14 N 081 30 35 W	8
33H105	LCP INC., 05	311051081312302	1064.00	31 11 16 N 081 30 56 W	8
33H106	LCP INC., 06	311051081312301	775.00	31 10 46 N 081 31 17 W	8
34H107	LEWIS CRAB CO 1	310826081294501	690.00	31 08 26 N 081 29 45 W	6

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY -- CONTINUED					
34H108	LEWIS CRAB CO 2	310827081294401	800.00	31 08 27 N 081 29 44 W	6
34H110	LEWIS CRAB CO 4	310827081294301	782.00	31 08 27 N 081 29 43 W	7
34H356	LEWIS CRAB CO 5	310826081294201	624.00	31 08 27 N 081 29 42 W	8
34H416	LEWIS CRAB CO 6	310827081294302	240.00	31 08 27 N 081 29 43 W	8
32H036	LIVINGSTON, J L	311130081393200	318.00	31 11 30 N 081 39 32 W	16
34H193	MALLORY PARK	310820081233701	437.00	31 08 20 N 081 23 37 W	10
33G002	MASSEY LAKE WELL	310711081324001	660.00	31 07 11 N 081 32 40 W	8
33G003	MASSEY OIL TEST WELL	310646081322401	921.00	31 06 46 N 081 32 24 W	13
33H017	MASSEY, ROY	310748081321601	333.00	31 07 48 N 081 32 16 W	12
34H420	MCCANN, H T	310827081290901	72.00	31 08 26 N 081 29 08 W	10
34H126	MCGARVEY	310907081294601	178.00	31 09 07 N 081 29 46 W	10
34H380	MCGRAW, R O	310928081294401	440.00	31 09 28 N 081 29 44 W	15
33H051	MCMANUS GA POWER	311251081324801	983.00	31 12 51 N 081 32 48 W	10
34H318	MENDENHALL, W C	311212081223701	766.00	31 12 12 N 081 22 37 W	19
34H361	MIDDLETON ESTATES	311120081224801	724.00	31 11 20 N 081 22 48 W	13
34H123	MILLER FUNERAL HOME	310902081292701	600.00	31 09 02 N 081 29 27 W	10
34J009	NEWHOPE PLANTATION	311810081265101	780.00	31 18 11 N 081 26 51 W	9
33H174	NORTHWOOD ESTATE SUB	311405081305701	787.00	31 14 08 N 081 30 57 W	30
33H132	OAK BLUFF SUBDIVISON	311323081320601	736.00	31 13 23 N 081 32 03 W	21
35H047	OLSEN, O H	311103081222901	752.00	31 11 02 N 081 22 28 W	7
34H358	OLSENS YACHT YARD	311007081245801	765.00	31 10 07 N 081 24 58 W	6
33H135	OQUINN TRAILER PK	311100081301201	857.00	31 11 00 N 081 30 12 W	16
33H139	OQUINN, WYLLIE JR.	310736081332601	784.00	31 07 38 N 081 33 27 W	9
32H026	OSBORN, N B	311053081381201	445.00	31 10 53 N 081 38 12 W	21
33H120	PALMETTO CEMETERY N.	311036081302601	571.00	31 10 36 N 081 30 26 W	12
33H121	PALMETTO CEMETERY S.	311029081303101	164.00	31 10 29 N 081 30 31 W	11
34H003	PAULK, R	311435081265401	730.00	31 14 32 N 081 26 53 W	10
34H090	PURCELL, DELLA	310822081291301	592.00	31 08 22 N 081 29 13 W	9
33H144	PURE OIL SERVICE STA	311213081303201	635.00	31 12 12 N 081 30 33 W	17
34H348	QUICK CLEAN LAUNDR	311024081293201	787.00	31 10 24 N 081 29 32 W	13
34H136	RAMSEY, BEN	311201081291701	692.00	31 11 59 N 081 29 15 W	13
34H388	REU, A H	311419081231901	804.00	31 14 19 N 081 23 19 W	10
34H100	RILEY, BARNEY	310806081292501	786.00	31 08 06 N 081 29 25 W	11
32H017	ROADS END CAMP	311155081425201	442.00	31 11 55 N 081 42 52 W	20
33H095	ROBERTS, ERNEST	311156081304101	760.00	31 11 56 N 081 30 41 W	13

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY -- CONTINUED					
34H347	ROBERTS, L D	310949081280601	750.00	31 09 49 N 081 28 06 W	7
34H104	ROYALLS, ED	310817081294101	404.00	31 08 17 N 081 29 41 W	5
34H382	RUSHING, ALTON	311032081284101	690.00	31 10 32 N 081 28 41 W	9
33H140	SAPP, H A	310845081353201	763.00	31 08 46 N 081 35 29 W	18
33H155	SAPP, WOODROW	311248081304801	706.00	31 12 46 N 081 30 48 W	11
33H016	SATILLA SHORES	310738081331401	780.00	31 07 37 N 081 33 19 W	10
33H006	SCARLETT, R.	310902081352301	480.00	31 09 02 N 081 35 23 W	17
34H368	SEA HARVEST PACKING	311346081272201	788.00	31 13 47 N 081 27 20 W	9
35H016	SEA ISL CO BEACH	311054081210401	812.50	31 10 54 N 081 21 04 W	6
35H017	SEA ISL CO CLOIST	311054081205901	1095.00	31 10 55 N 081 20 59 W	8
35H014	SEA ISL CO 1	311053081210201	721.00	31 10 53 N 081 21 02 W	7
35H051	SEA ISL CO 22ST-NEW	311146081201302	825.00	31 11 46 N 081 20 13 W	8
35H042	SEA ISL CO 22ST-OLD	311146081201301	1042.00	31 11 46 N 081 20 13 W	7
35H021	SEA ISL CO 35ST	311214081192901	619.00	31 12 14 N 081 19 29 W	8
35H050	SEA ISL CO 36TH ST	311222081192701	820.00	31 12 20 N 081 19 27 W	8
35H044	SEA ISL GUN CLUB-NEW	311049081212801	789.00	31 10 49 N 081 21 29 W	6
35H012	SEA ISL GUN CLUB-OLD	311049081212803	637.00	31 10 49 N 081 21 29 W	6
34H346	SEA ISL YACHT CLUB	310951081244201	800.00	31 09 52 N 081 24 44 W	8
34H160	SEA ISLAND GOLF (59)	310841081241301	1052.00	31 08 40 N 081 24 21 W	8
34H397	SEA ISLAND GOLF (69)	310841081241401	1061.00	31 08 39 N 081 24 22 W	10
35H045	SEA PALMS HOLE 1	311204081220701	796.00	31 12 00 N 081 22 12 W	15
35H046	SEA PALMS HOLE 14	311126081222001	799.00	31 11 23 N 081 22 18 W	9
33H173	SEAPACK, 1	311311081303701	793.00	31 13 09 N 081 30 37 W	14
33H172	SEAPACK, 2	311311081303702	793.00	31 13 09 N 081 30 38 W	11
33H130	SELDEN PARK	311022081303101	700.00	31 10 21 N 081 30 31 W	11
33H137	SELF,S B	311223081311501	743.00	31 12 23 N 081 31 14 W	8
33K005	SHADRON, S	312521081360801	590.00	31 25 21 N 081 36 09 W	10
33H045	SMITH, FRED	311432081323401	100.00	31 14 32 N 081 32 34 W	15
34H135	SORROW, N	311157081291701	165.00	31 11 57 N 081 29 17 W	14
34H205	SSI LIGHTHOUSE	310803081233801	608.00	31 08 01 N 081 23 37 W	10
34H376	ST FRANCIS XAVIER CH	310841081293801	660.00	31 08 41 N 081 29 38 W	7
34H266	ST SIMONS AP(1942)	310926081230901	709.00	31 09 26 N 081 23 09 W	15
34H267	ST SIMONS AP(1959)	310928081231301	850.00	31 09 28 N 081 23 13 W	20
34H349	ST SIMONS MALLORY ST	310842081232401	1042.00	31 08 42 N 081 23 24 W	15
34H377	STOPCHUCK, MIKE	311108081285901	630.00	31 11 08 N 081 28 29 W	9

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY -- CONTINUED					
33H153	STUTTS, T J	310854081335701	684.00	31 08 52 N 081 33 56 W	7
34H405	SUDDATH VAN LINES	311422081265101	702.00	31 14 22 N 081 26 54 W	10
33H136	TAYLOR METH CHURCH	311249081300201	684.00	31 12 49 N 081 30 03 W	21
33H152	THOMAS, A L	311328081303201	713.00	31 13 28 N 081 30 32 W	16
34H082	THON, L L	310927081285901	656.00	31 09 27 N 081 28 59 W	10
34H409	THROWER, CHARLES	311346081264401	728.00	31 13 46 N 081 26 44 W	8
33H164	TIDEWATER CONST	310849081343101	695.00	31 08 47 N 081 34 31 W	10
34H386	TOLLISON, H K	310907081290701	773.00	31 09 07 N 081 29 07 W	12
34H038	TOMLINSON,J E	311155081282401	664.00	31 11 55 N 081 28 24 W	11
34H357	TROUPE CREEK MARINA	311342081270101	774.00	31 13 42 N 081 27 01 W	7
34H010	TWIN COURTS MOTEL	311344081273101	694.00	31 13 44 N 081 27 31 W	10
34H351	TWIN OAKS DRIVE-IN	310956081294801	760.00	31 09 56 N 081 29 49 W	17
32H032	UNION BAG CAMP ST-1	310820081382001	4642.00	31 08 20 N 081 38 20 W	10
35H037	US COAST GUARD	310845081222601	704.00	31 08 45 N 081 22 26 W	10
34H125	USGS TW 01	310906081293201	604.00	31 09 06 N 081 29 31 W	12
34H132	USGS TW 02 PT1	311020081295202	566.00	31 10 21 N 081 29 52 W	14
33H127	USGS TW 03	311007081301701	952.00	31 10 06 N 081 30 16 W	6
34H334	USGS TW 04	310938081285301	980.00	31 09 38 N 081 28 53 W	8
34H337	USGS TW 05 PT 01	310824081294303	919.00	31 08 24 N 081 29 42 W	9
34H433	USGS TW 05 PT 02	310824081294302	1420.00	31 08 24 N 081 29 42 W	9
33H133	USGS TW 06	311007081301702	790.00	31 10 06 N 081 30 16 W	7
34H344	USGS TW 07	310938081285302	770.00	31 09 38 N 081 28 52 W	8
34H354	USGS TW 08	310924081295201	1003.00	31 09 24 N 081 29 52 W	14
34H355	USGS TW 09	310924081295202	785.00	31 09 24 N 081 29 52 W	14
34H363	USGS TW 10	310822081295801	744.00	31 08 22 N 081 29 58 W	2
34H371	USGS TW 11	310818081293701	701.00	31 08 18 N 081 29 36 W	9
33H141	USGS TW 12	311045081323301	720.00	31 10 44 N 081 32 31 W	13
34H373	USGS TW 13	310940081293201	722.00	31 09 40 N 081 29 33 W	9
34H374	USGS TW 14	310953081295901	700.00	31 09 53 N 081 29 59 W	17
33G008	USGS TW 15	310707081320001	702.00	31 07 01 N 081 32 02 W	7
34H391	USGS TW 16	310818081294201	1158.00	31 08 18 N 081 29 42 W	7
34H393	USGS TW 17	310825081294201	723.00	31 08 25 N 081 29 42 W	7
33H154	USGS TW 18	311021081302801	989.00	31 10 22 N 081 30 29 W	10
34H399	USGS TW 19	310750081292001	1218.00	31 07 49 N 081 29 20 W	8
34H400	USGS TW 20	310936081294901	756.00	31 09 36 N 081 29 49 W	13

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
GLYNN COUNTY -- CONTINUED					
34H401	USGS TW 21	310945081295401	756.00	31 09 45 N 081 29 55 W	13
34H402	USGS TW 22	310945081295402	946.00	31 09 45 N 081 29 55 W	13
34G036	USGS TW 23	310646081292001	1140.00	31 06 43 N 081 29 20 W	8
34H403	USGS TW 24	310822081294201	982.00	31 08 22 N 081 29 42 W	10
34H426	USGS TW 25	310938081285303	1211.00	31 09 38 N 081 28 52 W	8
33H188	USGS TW 26	310810081323501	2720.00	31 08 09 N 081 32 35 W	9
33J044	USGS TW 27	311633081324001	1910.00	31 16 33 N 081 32 40 W	20
33J043	USGS TW 28	311633081324101	800.00	31 16 33 N 081 32 41 W	20
34H343	USNPS FT FREDERICA	311318081232901	670.00	31 13 24 N 081 23 18 W	10
34H408	VAN DIVIERE OIL CO	311200081294501	703.00	31 12 00 N 081 29 45 W	18
35H040	VERNEY, G	311331081211901	800.00	31 13 31 N 081 21 19 W	12
34H289	WHITTLE, LUCIAN	311021081223301	653.00	31 10 21 N 081 22 33 W	6
34H117	WHORTON CRAB	310852081295401	747.00	31 08 52 N 081 29 54 W	7
33H148	WHORTON FARMS	311345081312701	762.00	31 13 45 N 081 31 27 W	29
34J029	WILDER, H	311850081274501	866.00	31 18 54 N 081 27 51 W	5
34H146	WILSON, ARTHUR	311015081254201	453.00	31 10 15 N 081 25 42 W	8
33J028	WOODMEN OF THE WORLD	311517081334101	823.00	31 15 06 N 081 33 42 W	10
33J026	YOUNG, S L	311800081341401	900.00	31 17 41 N 081 34 09 W	13
33H138	ZELL, RICHARD	310824081332601	460.00	31 08 26 N 081 33 26 W	8
LIBERTY COUNTY					
33N091	BARRETT, C L	314846081302601	500.00	31 48 46 N 081 30 26 W	22
34N092	BRAUN, HAROLD	314830081242501	212.00	31 48 30 N 081 24 25 W	12
33N089	BURKE, L	314552081372101	660.00	31 45 52 N 081 37 21 W	80
34M056	COOPER, E B	314451081275701	660.00	31 44 51 N 081 27 57 W	20
34N053	ELLER, R	314625081264601	408.00	31 46 25 N 081 26 46 W	10
33N079	HILLCREST MO HOME PK	314746081362201	658.00	31 47 46 N 081 36 22 W	70
34M074	HINES, H	314454081291401	580.00	31 44 54 N 081 29 14 W	17
33N084	HINESVILLE, GA, 3	315056081345501	710.00	31 50 56 N 081 34 55 W	22
34M088	HUMBLE/BARTON 01	314408081282201	755.00	31 44 08 N 081 28 22 W	14
34M083	HUMBLE/JAMES, WM 01	314324081251301	750.00	31 43 24 N 081 25 13 W	17
34M086	HUMBLE/LAMBERT 01	314132081243301	780.00	31 41 32 N 081 24 33 W	15
34M084	HUMBLE/MINSON, R 01	314240081272601	750.00	31 42 40 N 081 27 26 W	19
35M044	HUMBLE/REIKES 01	314412081190101	725.00	31 44 12 N 081 19 01 W	16
36M019	HUMBLE/SIKES 01	314208081145301	718.00	31 42 08 N 081 14 53 W	14
35M045	HUMBLE/STEVENS 01	314233081165501	750.00	31 42 33 N 081 16 55 W	9

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
LIBERTY COUNTY -- CONTINUED					
34M085	HUMBLE/UNION BAG 010	314241081224101	785.00	31 42 41 N 081 22 41 W	19
34N096	HUMBLE/UNION BAG 011	314528081272701	720.00	31 45 28 N 081 27 27 W	15
34N094	HUMBLE/UNION BAG 012	314624081224401	749.00	31 46 24 N 081 22 44 W	17
35N062	HUMBLE/UNION BAG 013	314649081181201	807.00	31 46 49 N 081 18 12 W	30
34N097	HUMBLE/UNION BAG 038	314915081260701	800.00	31 49 15 N 081 26 07 W	17
34N095	HUMBLE/UNION BAG 043	314731081281301	750.00	31 47 31 N 081 28 13 W	15
34M087	HUMBLE/UNION BAG 058	314000081261701	775.00	31 40 00 N 081 26 17 W	22
35M043	HUMBLE/UNION BAG 103	314352081221001	850.00	31 43 52 N 081 22 10 W	7
35N061	HUMBLE/UNION BAG 104	314530081181601	750.00	31 45 30 N 081 18 16 W	22
35N063	HUMBLE/UNION BAG 105	314531081205001	750.00	31 45 31 N 081 20 50 W	28
34M019	INTERSTATE PAPER CRP	314431081254201	535.00	31 44 31 N 081 25 42 W	14
34M053	INTERSTATE PAPER CRP	314428081245301	788.00	31 44 28 N 081 24 53 W	12
34M021	INTERSTATE PAPER CRP	314442081243401	445.00	31 44 42 N 081 24 34 W	14
34M020	INTERSTATE PAPER CRP	314438081245701	453.00	31 44 38 N 081 24 57 W	10
34M057	INTERSTATE PAPER CRP	314439081242501	606.00	31 44 39 N 081 24 25 W	10
35M040	JELKS & ROGERS 01	314114081204601	4264.00	31 41 14 N 081 20 46 W	21
34M050	KEARSEY, E E	314340081252901	705.00	31 43 40 N 081 25 29 W	19
33N044	KELLY, J	314909081305901	460.00	31 49 10 N 081 30 59 W	11
34M073	LECOUNT I & WAY S	314407081281501	600.00	31 44 07 N 081 28 15 W	17
33N078	LIBERTY CO, BD ED	315005081321301	660.00	31 50 07 N 081 32 13 W	16
33N034	MARTIN, M F	315128081335601	525.00	31 51 28 N 081 33 56 W	24
34N088	MIDWAY,GA	314754081260201	662.00	31 47 57 N 081 26 02 W	12
33N076	MINGLEDORFF, F	315043081353001	682.00	31 50 43 N 081 35 30 W	54
34N018	NORRIS, R H	315115081240801	460.00	31 51 15 N 081 24 08 W	13
34M071	PUSEY, R L & N	314419081260301	600.00	31 44 08 N 081 26 03 W	21
36L016	RAULS ESTATE, J	313633081103801	500.00	31 36 25 N 081 10 38 W	6
36M014	RAULS ESTATE, J 01	314007081092901	503.00	31 40 08 N 081 09 32 W	12
36M016	RAULS ESTATE, J 03	313751081100901	500.00	31 37 48 N 081 10 06 W	14
36M017	RAULS ESTATE, J 05	314045081085401	500.00	31 40 45 N 081 08 54 W	16
35M010	REICK, C H	314405081192301	436.00	31 44 03 N 081 19 21 W	15
34M049	RICEBORO PRESBYTERIA	314412081260301	700.00	31 44 12 N 081 26 03 W	19
35N054	SALTER, W L	314925081222201	970.00	31 49 17 N 081 22 16 W	11
34N093	SIKES, B	314801081260201	580.00	31 48 01 N 081 26 02 W	10
33N085	SMITH, F	315003081363201	600.00	31 50 03 N 081 36 32 W	88
34M075	STD OIL, I95 & 17	313901081234101	604.00	31 39 08 N 081 23 41 W	10

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
LIBERTY COUNTY -- CONTINUED					
35M041	TIPPENS, SAM J	314419081192801	614.00	31 44 19 N 081 19 28 W	26
34N029	UNION CAMP PAPER COR	314913081261101	304.00	31 49 13 N 081 26 11 W	21
34N089	USGS TW 1	315214081235301	789.00	31 52 14 N 081 23 53 W	17
34M054	USGS TW 2	314343081251901	802.00	31 43 43 N 081 25 19 W	19
33N086	WALDEN, A	314937081371101	640.00	31 49 37 N 081 37 11 W	79
33N087	WALDEN, A	314937081371102	600.00	31 49 37 N 081 37 11 W	79
34M045	WAY, E P	314107081242601	500.00	31 41 07 N 081 24 25 W	9
34N019	WAYS, R	315109081240701	500.00	31 51 09 N 081 24 14 W	13
33N083	WILDERNESS BAPTIST	314853081304001	560.00	31 48 53 N 081 30 40 W	20
34N059	WILLIAMS, W L	314742081255701	500.00	31 47 42 N 081 25 57 W	11
33N088	WILLIAMSON, W G	314709081363601	630.00	31 47 09 N 081 36 36 W	73
34N021	WOODALL, J H	315042081243801	503.00	31 50 42 N 081 24 38 W	18
36M013	YELLOW BLUFF CO	314236081142301	425.00	31 42 36 N 081 14 23 W	12
34N091	YOUNG, J	314829081291701	600.00	31 48 29 N 081 29 17 W	21
LONG COUNTY					
33M004	USGS TW-3 LONG CO	313845081361701	870.00	31 38 54 N 081 36 04 W	61
MCINTOSH COUNTY					
34J047	BOONE SEAFOOD CO	312156081255901	806.00	31 21 56 N 081 25 59 W	4
35L043	BRANNEN, J	313152081213401	490.00	31 31 52 N 081 21 34 W	5
35L038	BURNS, A D	313032081221101	771.00	31 30 32 N 081 22 11 W	31
35K060	BURROWS, HUGH	312851081204401	760.00	31 28 51 N 081 20 44 W	12
35L037	CARR, E H	313035081221201	660.00	31 30 35 N 081 22 12 W	31
34K091	CARTER	312319081225101	738.00	31 23 19 N 081 22 51 W	7
34J043	DARIEN COURTHOUSE 1	312209081260401	1000.00	31 22 09 N 081 26 04 W	30
34K093	DARIEN 4	312256081260501	825.00	31 22 56 N 081 26 05 W	22
34K094	DARIEN 5	312257081260501	825.00	31 22 57 N 081 26 05 W	22
33L027	DAVIS, E	313028081354201	700.00	31 30 20 N 081 35 44 W	20

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
MCINTOSH COUNTY -- CONTINUED					
34K085	DOT I-95 REST AREA	312817081271501	604.00	31 28 17 N 081 27 15 W	20
34K084	FISCHETTE, MIKE	312503081234801	720.00	31 25 03 N 081 23 48 W	25
34K095	FISHER, C M	312254081244301	730.00	31 22 54 N 081 24 43 W	20
34K025	FISHER, F J	312535081295101	832.00	31 25 35 N 081 29 51 W	7
34K079	FISHER, W	312244081250601	791.00	31 22 44 N 081 25 06 W	22
34J028	GA GAME & FISH COMM	312102081265101	598.00	31 21 02 N 081 26 51 W	4
35K069	GORE, S	312840081205301	703.00	31 28 40 N 081 20 53 W	11
34K092	HARPER & KIMBRELL	312303081225101	760.00	31 23 03 N 081 22 51 W	7
34K075	HATCHER, W J	312520081231401	765.00	31 25 20 N 081 23 14 W	11
35L067	HOLT, V	313325081214901	586.00	31 33 25 N 081 21 49 W	8
34L052	HORNSBY, H	313118081255801	780.00	31 31 18 N 081 25 58 W	22
33K026	HUMBL-SAV RIVR LB CP	312501081320901	1020.00	31 25 01 N 081 32 09 W	17
33K020	HUMBLE/FT BARRINGTON	312850081365301	820.00	31 28 50 N 081 36 53 W	13
34M078	HUMBLE/UNION BAG 003	313754081263201	800.00	31 37 54 N 081 26 32 W	18
34M079	HUMBLE/UNION BAG 004	313956081285001	780.00	31 39 56 N 081 28 50 W	18
35M046	HUMBLE/UNION BAG 007	313810081221501	725.00	31 38 10 N 081 22 15 W	17
35M047	HUMBLE/UNION BAG 008	313734081180001	815.00	31 37 34 N 081 18 00 W	17
34M081	HUMBLE/UNION BAG 015	314143081294401	750.00	31 41 43 N 081 29 44 W	16
33K024	HUMBLE/UNION BAG 032	312920081361401	795.00	31 29 20 N 081 36 14 W	41
33K023	HUMBLE/UNION BAG 033	312953081330301	800.00	31 29 53 N 081 33 03 W	19
33K021	HUMBLE/UNION BAG 034	312728081335201	810.00	31 27 28 N 081 33 52 W	13
33K025	HUMBLE/UNION BAG 035	312729081300401	865.00	31 27 29 N 081 30 04 W	12
34M082	HUMBLE/UNION BAG 046	314124081284201	735.00	31 41 24 N 081 28 42 W	19
34M080	HUMBLE/UNION BAG 047	313730081281601	1402.00	31 37 30 N 081 28 16 W	15
33K022	HUMBLE/UNION BAG 054	312849081311801	1492.00	31 28 49 N 081 31 18 W	12
34M077	HUMBLE/UNION BAG 056	313758081242801	1408.00	31 37 58 N 081 24 28 W	18
34J026	HUTCHINSON, G	312224081245101	780.00	31 22 24 N 081 24 51 W	20
35K064	JOHNSON, BENNY	312517081160901	372.00	31 25 17 N 081 16 09 W	7
34K088	KIMBRELL,D E	312344081223801	760.00	31 23 44 N 081 22 38 W	6
34M070	KING, CHARLES	313820081290301	662.00	31 38 20 N 081 29 03 W	12
34K090	KIRKLAND, ALVA	312320081225001	760.00	31 23 20 N 081 22 50 W	6
35L069	MCQUAIG, J H	313153081213501	700.00	31 31 53 N 081 21 35 W	7
34K012	MIDDLETON, C T	312805081291001	700.00	31 28 05 N 081 29 10 W	19
35L068	MITCHELL & NEIGHBORS	313419081192601	640.00	31 34 19 N 081 19 26 W	18
34K087	NEWBURN, JOE	312350081223501	687.00	31 23 50 N 081 22 35 W	6

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
MCINTOSH COUNTY -- CONTINUED					
35L023	NOYLIK, J	313527081180901	700.00	31 35 27 N 081 18 11 W	10
34K081	OQUINN, C	312439081273701	850.00	31 24 39 N 081 27 37 W	31
34J046	PACK, JOHN	312227081253901	618.00	31 22 27 N 081 25 39 W	22
34K080	PEARLING IND SHOE FA	312430081273501	797.00	31 24 35 N 081 27 30 W	28
35K068	PEASE ISL DVPMT	312632081220901	766.00	31 26 32 N 081 22 09 W	9
34K074	POPPEL, A S JR	312325081264501	780.00	31 23 25 N 081 26 45 W	17
34K083	POPPELL, T	312715081253301	765.00	31 27 09 N 081 25 29 W	41
34L062	PROUDFOOT, G F, LAKE	313705081250501	700.00	31 37 10 N 081 25 05 W	20
35L071	PROUDFOOT, H S	313722081185801	601.00	31 37 22 N 081 18 58 W	14
35K063	SAPELO RES-AIR STRIP	312456081172601	364.00	31 24 56 N 081 17 26 W	6
35K062	SAPELO RES-LONGTABBY	312553081165601	725.00	31 25 53 N 081 16 56 W	6
35K065	SAPELO RES-MDLNDDOCK	312717081215201	726.00	31 27 17 N 081 21 52 W	4
36L011	SAPELO RSRCH FOUND	313030081140201	339.00	31 30 30 N 081 14 02 W	8
34K089	SASSER, H	312321081224901	760.00	31 23 21 N 081 22 49 W	6
34L061	STANDARD OIL CO	313155081264801	593.00	31 31 55 N 081 26 48 W	20
34L042	SUMMER, M A	313231081280701	774.00	31 32 31 N 081 28 07 W	19
35K067	TODD, ROBERT	312906081210301	635.00	31 29 06 N 081 21 03 W	15
34K077	TODD, T	312429081240501	820.00	31 24 29 N 081 24 05 W	24
33L010	UNION CAMP CORP	313219081314901	532.00	31 32 19 N 081 31 49 W	19
34L060	UNION CAMP CORP	313531081245801	760.00	31 35 31 N 081 24 58 W	27
35M013	US F&WL HARRIS NECK	313823081154201	553.00	31 38 23 N 081 15 42 W	16
36L008	USFW BLACKBEARD IS 1	313135081122201	520.00	31 31 35 N 081 12 22 W	8
36L009	USFW BLACKBEARD IS 2	313053081122301	536.00	31 30 53 N 081 12 23 W	10
36L010	USFW BLACKBEARD IS 3	313020081122601	617.00	31 30 20 N 081 12 26 W	13
36L007	USFW BLACKBEARD IS 5	313205081120501	301.00	31 32 05 N 081 12 05 W	7
34L027	WARE, G	313208081253101	641.00	31 32 17 N 081 25 27 W	7
34L059	WARSAW LUMBER CO	313522081293701	472.00	31 35 22 N 081 29 37 W	15
35K066	WATSON SRIMP HOUSE	312837081203701	600.00	31 28 37 N 081 20 37 W	8
34L048	WILLIAMS, W E & F B	313054081245501	575.00	31 30 56 N 081 24 59 W	22
34K082	YOUNG, E L	312531081292001	747.00	31 25 34 N 081 29 24 W	10
SCREVEN COUNTY					
32U017	KING FINISHING 1	323614081442701	1326.00	32 36 08 N 081 44 23 W	155
32U019	KING FINISHING 3	323604081441101	1331.00	32 36 04 N 081 44 11 W	150
34U001	MCCAIN-PRYOR 1	323506081253801	2677.00	32 35 06 N 081 25 38 W	125
33X037	MILLHAVEN BUENA VIST	325726081372201	565.00	32 57 25 N 081 37 22 W	189
34W005	PFEIFFER, C B	324621081285901	804.00	32 46 25 N 081 29 00 W	121

Table 1.--Selected Ground Water Site Inventory data -- Continued

WELL NUMBER	LOCAL NUMBER	SITE-ID	DEPTH OF WELL (FEET)	LATITUDE AND LONGITUDE DEGREES-MINUTES-SECONDS	ALTITUDE OF LAND SURFACE (FEET)
WAYNE COUNTY					
29N003	ANDERSON, F	314813082025201	660.00	31 48 24 N 082 03 04 W	178
30N002	ANDERSON, L	314514081580101	724.00	31 45 12 N 081 58 02 W	166
30L011	ASPINWALL, C	313041081594401	732.00	31 30 41 N 081 59 44 W	123
30L004	BAILEY, A	313625081545401	260.00	31 36 18 N 081 54 54 W	112
30L005	BAILEY, E	313411081580201	700.00	31 34 14 N 081 57 55 W	146
30K004	BRNSWK P&P J MEARS 1	312714081524801	770.00	31 27 19 N 081 52 53 W	55
31L001	BRNSWK P&P J MEARS 2	313055081521901	691.00	31 31 02 N 081 52 20 W	55
32K007	BRNSWK P&P MT PLSNT	312541081403301	618.00	31 25 49 N 081 40 32 W	55
31K001	BRUNSWICK PENIN 1	312330081483101	4625.00	31 23 30 N 081 48 31 W	55
30M003	HARRISON, R	313944081550001	620.00	31 39 35 N 081 54 59 W	112
32K009	HERRIN, O H	312817081412701	680.00	31 28 13 N 081 38 06 W	30
32L005	HOPKINS NO 2	313253081433501	2070.00	31 32 52 N 081 43 36 W	74
31M010	ITT RAYONIER D 2	313936081502501	1010.00	31 39 34 N 081 50 23 W	90
31M012	ITT RAYONIER D 4	313919081500601	1006.00	31 39 11 N 081 50 01 W	83
31M015	ITT RAYONIER D 7	313923081503301	1000.00	31 39 23 N 081 50 35 W	96
31M016	ITT RAYONIER D 8	313932081505201	1000.00	31 39 31 N 081 50 53 W	101
30L008	JESUP GA 3	313601081530201	670.00	31 36 01 N 081 53 02 W	102
30L009	JESUP IND PARK	313457081544701	651.00	31 34 57 N 081 54 47 W	106
30L003	JOHNSON, H	313701081543501	594.00	31 37 01 N 081 54 34 W	106
30M007	MILES, F C	314250081574501	700.00	31 42 50 N 081 57 45 W	107
30L010	MILLER, R E	313526081570101	725.00	31 35 26 N 081 57 01 W	138
29M004	OQUINN, R	314430082002301	710.00	31 44 51 N 082 00 23 W	162
30L012	PARKERSON, B D	313618081570301	700.00	31 36 18 N 081 57 03 W	152
29M003	PINE GROVE SCHOOL	314414082011201	620.00	31 44 12 N 082 01 11 W	151
30K016	SCOTT AND MEAD 1-C	312716081525301	4500.00	31 27 18 N 081 52 53 W	62
29K001	SCREVEN GA 1	312909082011101	931.00	31 29 08 N 082 01 12 W	124
32K008	SEARS, G	312647081394201	640.00	31 26 48 N 081 39 42 W	45
31M006	SMITH, NED	314024081511201	670.00	31 40 16 N 081 51 12 W	98
29K003	TYRE, L	312951082033801	729.00	31 29 50 N 082 03 42 W	120
32L014	UNION BAG & PAPER 1	313123081411001	4552.00	31 31 12 N 081 41 02 W	49
29N001	WARREN, J	314722082015701	598.00	31 47 23 N 082 02 02 W	172
29N002	WARREN, R	314721082020701	545.00	31 47 26 N 082 02 07 W	173
30N001	WAYNE COUNTY, GA, ML	314659081585301	660.00	31 46 59 N 081 58 53 W	65
30M004	WAYNE COUNTY, GA, OB	314315081540901	638.00	31 43 16 N 081 54 09 W	100

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GEORGIA GEOLOGIC SURVEY

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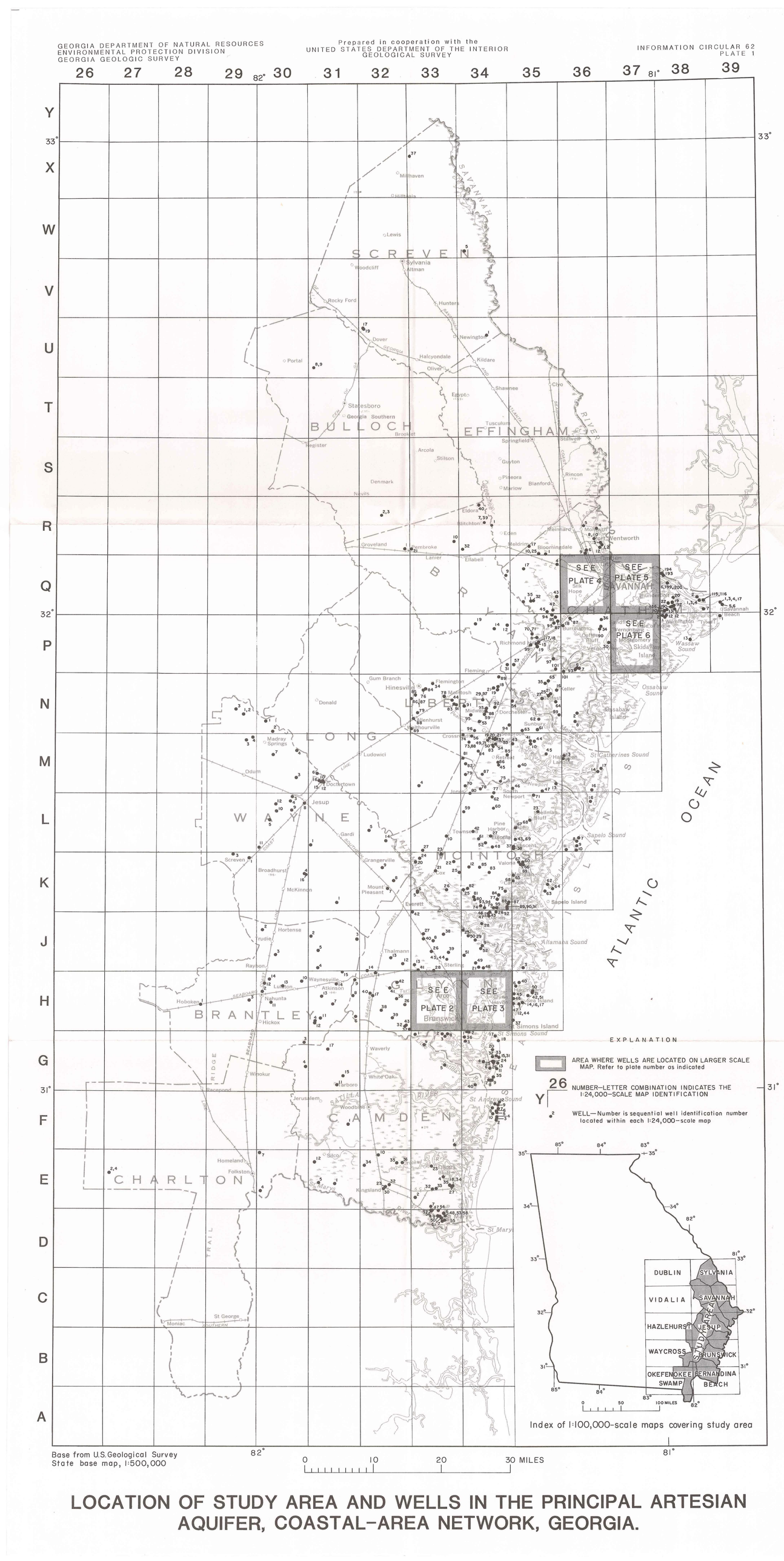
INFORMATION CIRCULAR 62
PLATE 1



LOCATION OF STUDY AREA AND WELLS IN THE PRINCIPAL ARTESIAN AQUIFER, COASTAL-AREA NETWORK, GEORGIA.

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INFORMATION CIRCULAR 62
PLATE 2

81°37'30" 35' 32'30" 81°30'
31°15' 12'30" 10' 31°07'30"

Base from U.S. Geological Survey
Brunswick West 1:24,000, 1956

SCALE 1:24000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETRE

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 7.6 FEET

EXPLANATION

016 WELL AND IDENTIFICATION NUMBER

GEORGIA
QUADRANGLE LOCATION

LOCATION OF GWSI DATA-BASE WELLS ON THE BRUNSWICK WEST, 33H, 1:24,000-SCALE MAP, GEORGIA.

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INFORMATION CIRCULAR 62
PLATE 3

LOCATION OF GWSI DATA-BASE WELLS ON THE BRUNSWICK EAST, 34H, 1:24,000-SCALE MAP, GEORGIA.

Base from U.S. Geological Survey
Brunswick East 1:24,000, 1956

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 7 FEET

EXPLANATION

205 WELL AND IDENTIFICATION NUMBER

GEORGIA
QUADRANGLE LOCATION

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INFORMATION CIRCULAR 62
PLATE 4

se from U.S. Geological Survey
rden City 1:24,000, 1955

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS 7.4 FEET AT SAVANNAH

QUADRANGLE LOCATION

EXPLANATION

• 287 WELL AND IDENTIFICATION NUMBER

CATION OF GWSI DATA-BASE WELLS ON THE GARDEN CITY, 36Q, 1:24,000-SCALE MAP, GEORGIA.

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INFORMATION CIRCULAR 62
PLATE 5

Base from U.S. Geological Survey
Savannah 1:24,000, 1955
Interim revision as of 1971

SCALE 1:24000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS 7.4 FEET AT SAVANNAH AND 7.9 FEET AT THUNDERBOLT

EXPLANATION

046 WELL AND IDENTIFICATION NUMBER

GEORGIA
QUADRANGLE LOCATION

LOCATION OF GWSI DATA-BASE WELLS ON THE SAVANNAH, 37Q, 1:24,000-SCALE MAP, GEORGIA.

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INFORMATION CIRCULAR 62
PLATE 6

Base from U.S. Geological Survey
Isle of Hope 1:24,000, 1957
Interim revision as of 1971

SCALE 1:24 000
1 ½ 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 7.8 FEET

QUADRANGLE LOCATION

EXPLANATION

087
• WELL AND IDENTIFICATION NUMBER

OCATION OF GWSI DATA-BASE WELLS ON THE ISLE OF HOPE, 37P, 1:24,000-SCALE MAP, GEORGIA.

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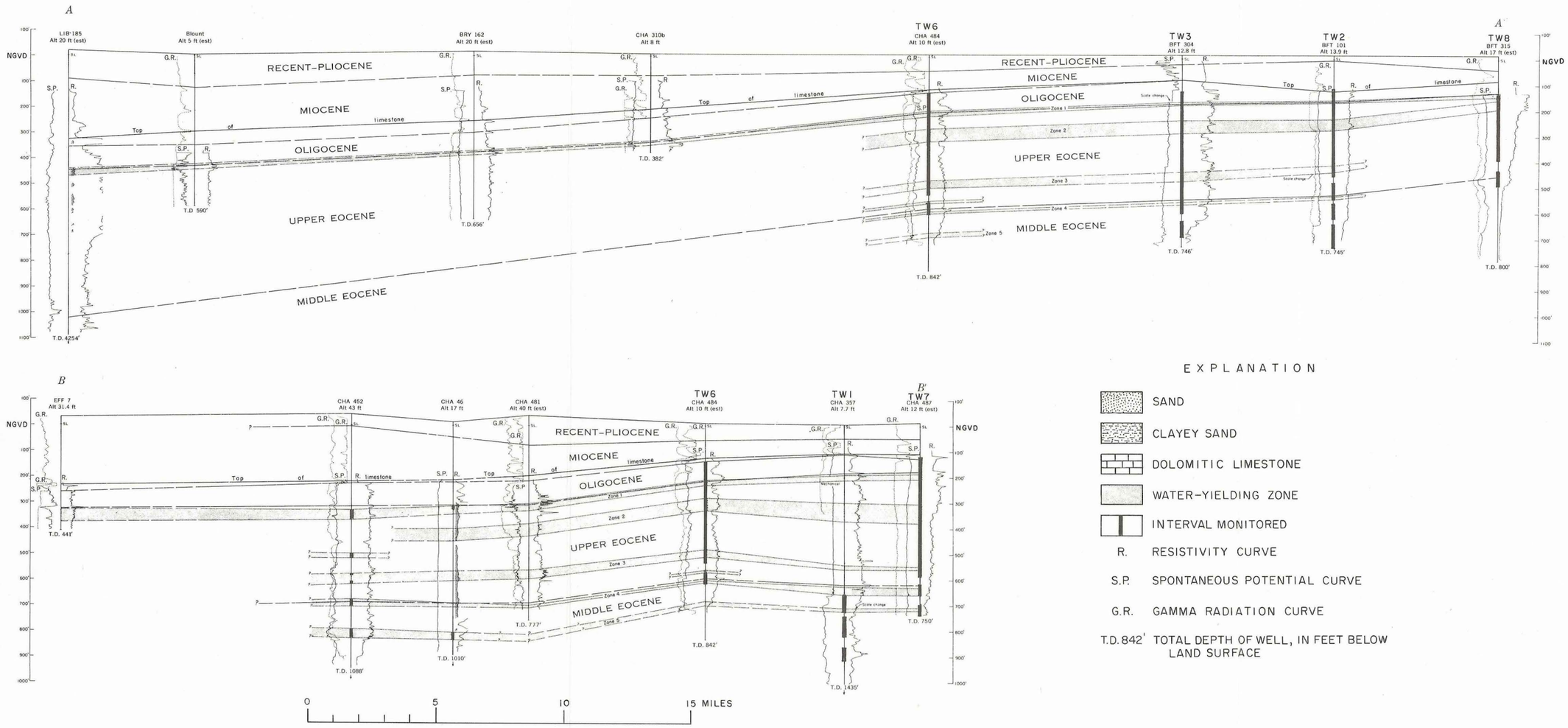
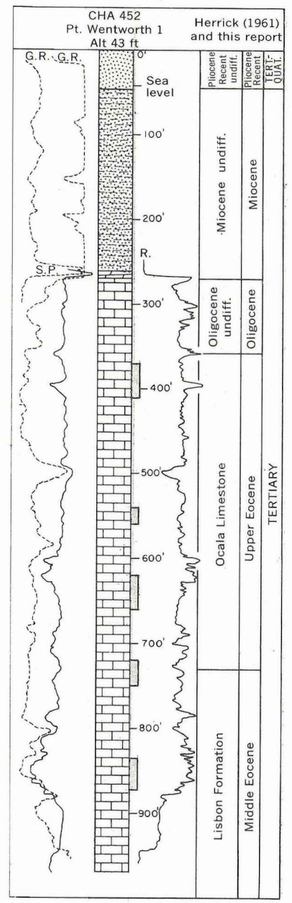
INFORMATION CIRCULAR 62
PLATE 7



EXPLANATION

- SAND
- CLAYEY SAND
- DOLOMITIC LIMESTONE
- WATER–YIELDING ZONE
- INTERVAL MONITORED
- R. RESISTIVITY CURVE
- S.P. SPONTANEOUS POTENTIAL CURVE
- G.R. GAMMA RADIATION CURVE
- T.D. 842' TOTAL DEPTH OF WELL, IN FEET BELOW LAND SURFACE



LITHOLOGIC AND GEOPHYSICAL LOGS, AND GEOLOGIC SECTIONS A-A' AND B-B' SHOWING WATER-YIELDING ZONES IN THE PRINCIPAL ARTESIAN AQUIFER, SAVANNAH, GEORGIA, AREA. FROM MCCOLLUM AND COUNTS (1964).

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INFORMATION CIRCULAR 62
PLATE 8

81°32'30" 30' 81°27'30"
31°12'30" 31°12'30"
10' 10'
31°07'30" 31°07'30"

BRUNSWICK
LINDEN CHEMICALS AND PLASTICS INC.
LCP1 LCP2 LCP3 LCP4 LCP5 LCP6
Junior College
BRUNSWICK AIRPORT
Goodyear Park
David Lipthratt
BPP1 BPP2 BPP3 BPP4 BPP5 BPP6 BPP7 BPP8 BPP9 BPP10 BPP11
TW18 Selden Park
TW2 Champion
HERCULES INC. WELL FIELD
Q T U
K L M P F I J A S O
TW3 TW6 TW14 TW21 TW22 TW13 TW20 TW9 TW8 TW7 TW25 TW4
Twin Oaks
BRUNSWICK PULP AND PAPER CO. WELL FIELD
Firestone Store
TW1
Grant St.
F. Street
Bwk Laundry
ANB
Coffin Park
Whorton Crab
Golden Shores
1st Baptist Church
Abbott Ice House
L. Harrington
Lewis Crab
TW17 TW24 TW16 TW11
TW10
TW26
TW19
N. Shipyard
S. Shipyard
B&W
DOT
TW15
TW23
Jekyll Towers
GLYNN COUNTY
MAP AREA

TURTLE RIVER
EAST RIVER
SOUTH BRUNSWICK RIVER
BRUNSWICK RIVER
JOINTER CREEK
Academy Creek
Long Creek
Terry Creek
Clubbs Creek
Plantation Creek
Brunswick City Boundary
ATLANTIC COAST LINE
SOUTHERN
OGLETHORPE BAY
BACK RIVER
Dupree Cr.

Base map from U.S. Geological Survey 1:24,000 quadrangles
1 0 1 MILE

EXPLANATION

WELLS TAPPING SPECIFIC ZONES IN THE PRINCIPAL ARTESIAN AQUIFER AND IDENTIFICATION

- TW15 — Upper zone; 500-700 feet
- TW18 — Lower zone; 800-1000 feet
- BPP6 — Composite, upper and lower zones, 500-1000 feet
- TW23 — Brackish zone; 1010-2720 feet
- R TW24 — Continuous-recorder-well

LOCATION OF CHLORIDE-MONITORING WELLS AND CONTINUOUS WATER-LEVEL-RECORDING WELLS, BRUNSWICK AREA, GEORGIA.

COLUMBIAN CLASP NO. 93
9 1/2 x 12 1/2

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Dk. Purple	Piedmont and Blue Ridge mapping and structural geology
Maroon	Coastal Plain mapping and stratigraphy
Lt. Green	Paleontology
Lt. Blue	Coastal Zone studies
Dk. Green	Geochemical and geophysical studies
Dk. Blue	Hydrology
Olive	Economic geology Mining directory
Yellow	Environmental studies Engineering studies
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Black	Field trip guidebooks
Dk. Brown	Collections of papers

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Printing Coordinator: Eleanore Morrow