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WATER AVAILABILITY OF BALDWIN COUNTY, ALABAMA

GEOLOGICAL SURVEY OF ALABAMA *MAP 96*

GEOLOGICAL SURVEY OF ALABAMA

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MAP 96

WATER AVAILABILITY OF BALDWIN COUNTY, ALABAMA

By Philip C. Reed and J. F. McCain

UNIVERSITY, ALABAMA

1971

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University, Alabama
June 28, 1971

Honorable George C. Wallace
Governor of Alabama
Montgomery, Alabama

Dear Governor Wallace:

I have the honor to transmit herewith Map 96, "Water Availability of Baldwin County, Alabama," one of the special series of maps that we are issuing on water availability for each of our counties.

This report and map describes the availability, quality, and quantity of surface and ground water in Baldwin County. It provides the kind of data needed for a prospective industry, the expansion of a municipal supply, for agricultural development, and for the private citizen planning a domestic water supply. This series of reports and maps has been prepared to aid in the development of Alabama's important water resources.

Respectfully,

Philip E. LaMoreaux
State Geologist

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WATER AVAILABILITY OF BALDWIN COUNTY, ALABAMA

By Philip C. Reed and J. F. McCain

ABSTRACT

Large quantities of water are available throughout Baldwin County. Annual rainfall is 62 inches, runoff is about 28 inches, and estimated ground-water recharge exceeds 12 inches.

Permeable sands in the Miocene-Pliocene aquifer, the principal source of ground water, are capable of yielding 1 mgd (million gallons per day) or more per well. Sand and limestone in the Eocene and Oligocene Series in the northeast corner of the county will probably yield 0.5 mgd per well, and alluvium and low terrace deposits in the Mobile River basin are a potential source of 0.5 to 1.0 mgd per well.

Streams flowing through and originating in the county, based on average streamflow, discharge about 41,000 mgd of water into bays along southern and western boundaries of the county. The Mobile River, the largest source of surface water, has an average flow of 39,400 mgd and a median annual 7-day low flow of 7,750 mgd in the northwest part of the county. Perdido, Little, Fish, Blackwater, and Styx Rivers have average flows that range from 79 to 489 mgd and median annual 7-day low flows that range from 25.8 to 178 mgd.

Wells tapping the Miocene-Pliocene aquifer, except those in areas adjacent to the Mobile River and Gulf of Mexico, generally yield water that is soft and low in dissolved solids. Locally, the water contains objectionable amounts of iron and the pH generally is less than 6.5. Wells tapping the aquifer in some areas adjacent to the Mobile River and Gulf of Mexico yield water with a dissolved-solids content that exceeds 1,000 mg/l (milligrams per liter), a sulfurous odor, and a chloride content that exceeds 500 mg/l. Water in other aquifers probably is of good chemical quality but locally may have a dissolved-solids content that exceeds 1,000 mg/l and may contain objectionable amounts of iron. Water in streams that are not affected by tides is soft and specific conductances indicate that the dissolved-solids content generally is less than 100 mg/l. Locally, the water may be sufficiently acidic to be objectionable for some uses.

Water used in Baldwin County is less than 1 percent of that available for development. The estimated water use in 1966 was 7.1 mgd.

INTRODUCTION

Baldwin County, the largest county in Alabama, comprises an area of 1,613 square miles in southwest Alabama. It is bounded on the west by Mobile County, on the north by Clarke and Monroe Counties, on the northeast by Escambia County, on the southeast by the State of Florida, and on the south by the Gulf of Mexico. The population of Baldwin County, according to the 1960 census, is 49,088 of which 74 percent is classified as rural. Bay Minette, the county seat, has a population of 5,197. The economy of the county is based primarily on agriculture, tourism, fishery, and forest products. Industrial development is centered chiefly in the Bay Minette and Foley areas; many of the industries are agriculturally orientated due to the abundance of forestry and farm products.

INVESTIGATION AND PURPOSE

The investigation of the availability of water in Baldwin County is a part of a statewide study of the geology and availability of water resources in Alabama begun in 1963. The study is being made by the U.S. Geological Survey in cooperation with the Geological Survey of Alabama. The overall study was designed to appraise and describe the water availability of river basins or areas identified by political boundaries. The State was divided into seven areas corresponding to major river basins and the work was planned and conducted with the results to be published on the basis of county units. The seven areas and the status of studies in each in 1969 are

shown in figure 1. This report is one of eight water availability reports being prepared for counties in the southwestern area in Alabama (fig. 1).

The purpose of this report is to present water-resources information in such a way that a quick visual appraisal and comparison with other county areas can be made by people interested in the development of water resources.

PREVIOUS INVESTIGATIONS

Water resources information for parts of Baldwin County are included in varying detail in some of the publications listed in the selected references. A report by Peirce (1966) on streams in southwest Alabama contains information for streams in Baldwin County and includes information on present and future development of surface-water supplies, hydrologic environment, and streamflow characteristics. The report contains a section on the quality of surface water by Rogers (1966). A later report by Peirce (1967) contains low-flow and flow-duration data for selected streams in and near Baldwin County. Regional-type reports contain limited data pertaining to ground-water resources; however, a study of the availability of ground water in Baldwin County had not been made prior to this investigation.

ACKNOWLEDGMENTS

Acknowledgment is made to well owners, industrial personnel, and city, county, and state officials for supplying water-resources information that contributed to this report. Special appreciation is expressed to the drillers and contractors including Acme Drilling Co., Alms Pump Service, W. R. Bell and Son, Campbell Hardware and Supply Co., Carloss Drilling Co., J. B. Cooper and Son, Holland Well Co., L. R. Johnston Drilling and Inspection Co., Layne-Central Co., J. A. Mosely, and J. Zollar for supplying drillers' logs, sample cuttings, and well-construction and water-level data.

OCCURRENCE OF WATER

The source of all fresh water in Baldwin County is precipitation, which occurs mainly in the form of rain. Annual rainfall averages about 62 inches and is fairly evenly distributed throughout the year. Part of the rainfall runs off directly into streams; part replenishes soil moisture but is returned to the atmosphere by evapotranspiration; and part percolates downward below the soil zone to replenish underground reservoirs. The average annual runoff originating in the county is about 28 inches or 1.33 mgd (million gallons per day) per square mile.

The occurrence of ground water and low flow of streams in Baldwin County is governed largely by the physical characteristics of geologic units. Geologic units that crop out in and north of Baldwin County contain beds of permeable sand that serve as natural conduits and reservoirs for water. These permeable beds, called aquifers, dip southward and are sources of water for wells; in their areas of outcrop the aquifers also provide the low flow of streams. Where aquifers are overlain by relatively impermeable beds, water becomes confined and is under pressure exerted by the weight of water in the same aquifer at higher elevations. Water in a well tapping a confined aquifer will rise above the top of the aquifer and in lowland areas will flow at land surface. Such aquifers are termed artesian and the imaginary surface to which the water will rise under artesian pressure is called the potentiometric surface. The areas of artesian flow in Baldwin County, based on flowing wells with depths ranging from 93 to 750 feet, is shown in figure 2.

AVAILABILITY OF WATER

GROUND WATER

Large quantities of water are available from permeable sands throughout Baldwin County. Geologic units containing permeable sands that yield water to wells range in age from Eocene to Holocene. Wells generally

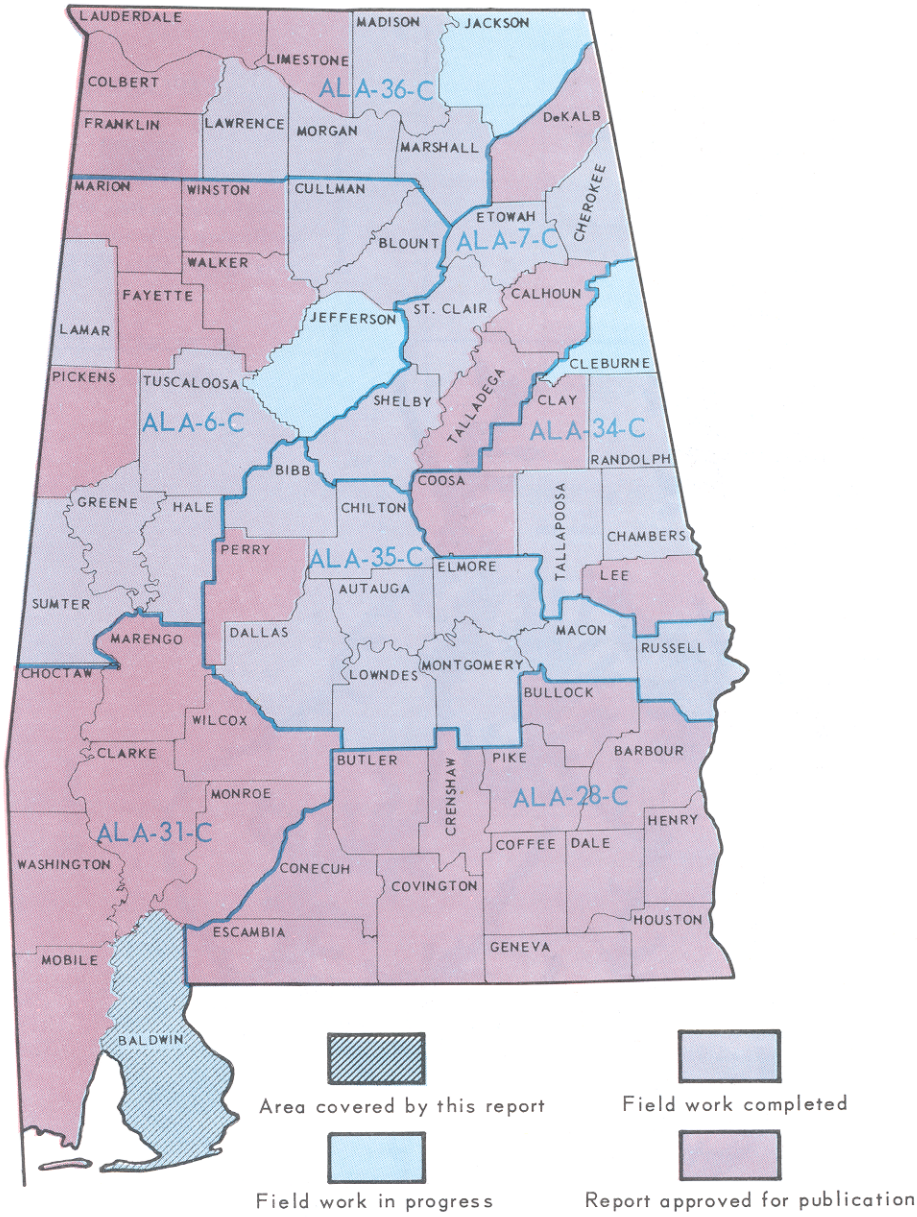

Figure 1.—Status of geologic and water availability studies in Alabama.

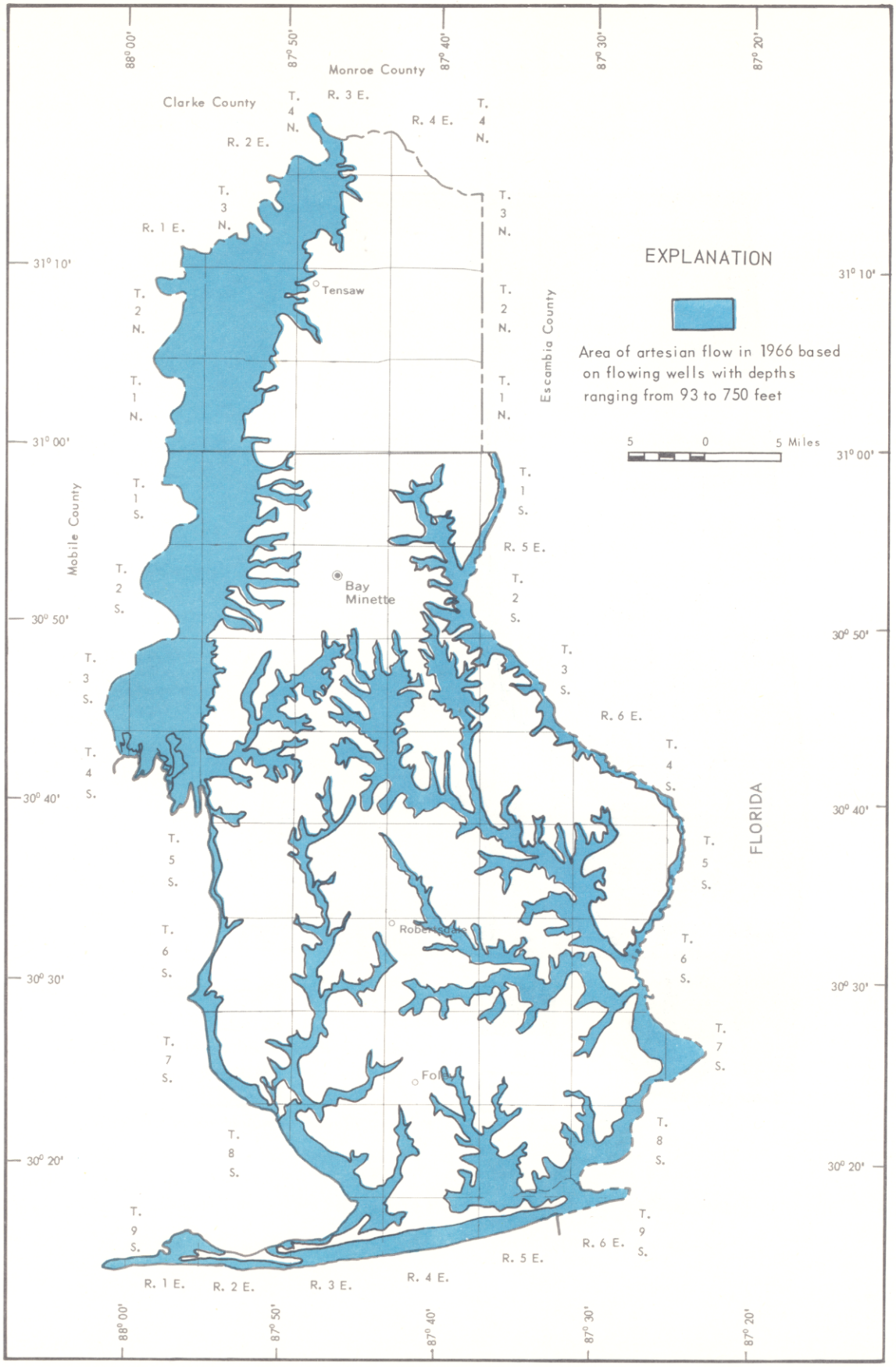

Figure 2.—Areas of artesian flow in Baldwin County, Alabama.

will yield supplies adequate for domestic use within 150 feet of the land surface and, in the south half of the county, many yield supplies at depths of less than 100 feet. The thickness, lithology, and yield of geologic units underlying the county are summarized in table 1. The location of wells tapping the units are shown on the water availability map and data for the wells are tabulated in table 2. Available drillers' logs for wells are tabulated in table 3.

The principal water-bearing sands in the county are in the Miocene Series and Citronelle Formation in the Pliocene Series. These sands are referred to collectively in this report as the Miocene-Pliocene aquifer. Principal water-bearing sands in the aquifer occur at the base of the Miocene Series in the northern part of the county. These sands interfinger or merge with relatively impermeable limestone and clay in central parts of the county where the base of the aquifer occurs in the middle part of the Miocene Series (section A-A' on the water availability map). The depth in feet below mean sea level of the base of the Miocene-Pliocene aquifer is shown on the water availability map. Individual beds of sand in the aquifer are 50 to 100 feet thick in many places and are as much as 230 feet thick near Loxley in the central part of the county. The sands are separated by lenticular clays that are as much as 80 feet thick. Sands and clays in the aquifer thicken and thin unpredictably in many areas.

The Miocene-Pliocene aquifer will yield 1 mgd per well and, in many areas, may yield larger supplies. Large-capacity municipal wells tapping the aquifer range in depth from 94 to 510 feet. The wells reportedly are pumped at various rates that range from 130 to 1,000 gpm (gallons per minute) and have specific capacities generally ranging from 5 to 25 gpm per foot of drawdown. Prominent sands in the lower part of the aquifer are not tapped by wells in many areas because of the availability of adequate supplies at shallower depths. The zone tapped by wells in 1966 is shown on section A-A' on the water availability map.

The Eocene and Oligocene Series in the northeast corner of the county and alluvium and low terrace deposits in the Mobile River basin are potential sources of large supply. The Eocene and Oligocene will probably yield 0.5 mgd per well in adjacent areas in Monroe County (Scott, oral commun., 1969) and may yield a similar quantity of potable water north of Blacksher in Baldwin County. Alluvium and low terrace deposits in the Mobile River basin are a potential source of 0.5 to 1 mgd per well where sands are of sufficient thickness. Well data indicate that this quantity is available locally on the west side of the river in adjacent Mobile County. The area underlain by these deposits is shown in figure 3.

SURFACE WATER

The average flow and low flow behavior of a stream are useful parameters in evaluating the availability of water. The long-term average annual flow of a stream, the arithmetic mean of all yearly discharges of record for a long period, is a useful statistic because it is a measure of the surface-water yield of a basin. The 7-day low flow (7-day Q_2) is considered to be a good index of a stream's low-flow character. The 7-day Q_2 is defined as the lowest average rate of flow for 7 consecutive days occurring at an average interval of 2 years. The 7-day Q_2 has a 50 percent probability of being exceeded in a given year and is used as an index of normal annual low flow. Low and high flows have a tendency to repeat; consequently, minimum flow may be less or more than the minimum 7-day Q_2 for several consecutive years. Data indicate that during extreme drought years the minimum flows of streams in Baldwin County are about 50 percent of the 7-day Q_2's. Natural ground-water discharge to streams during extended periods of little or no storm runoff is estimated to exceed one inch per month or approximately two-thirds mgd per square mile. This indicates that the annual ground-water discharge is more than 12

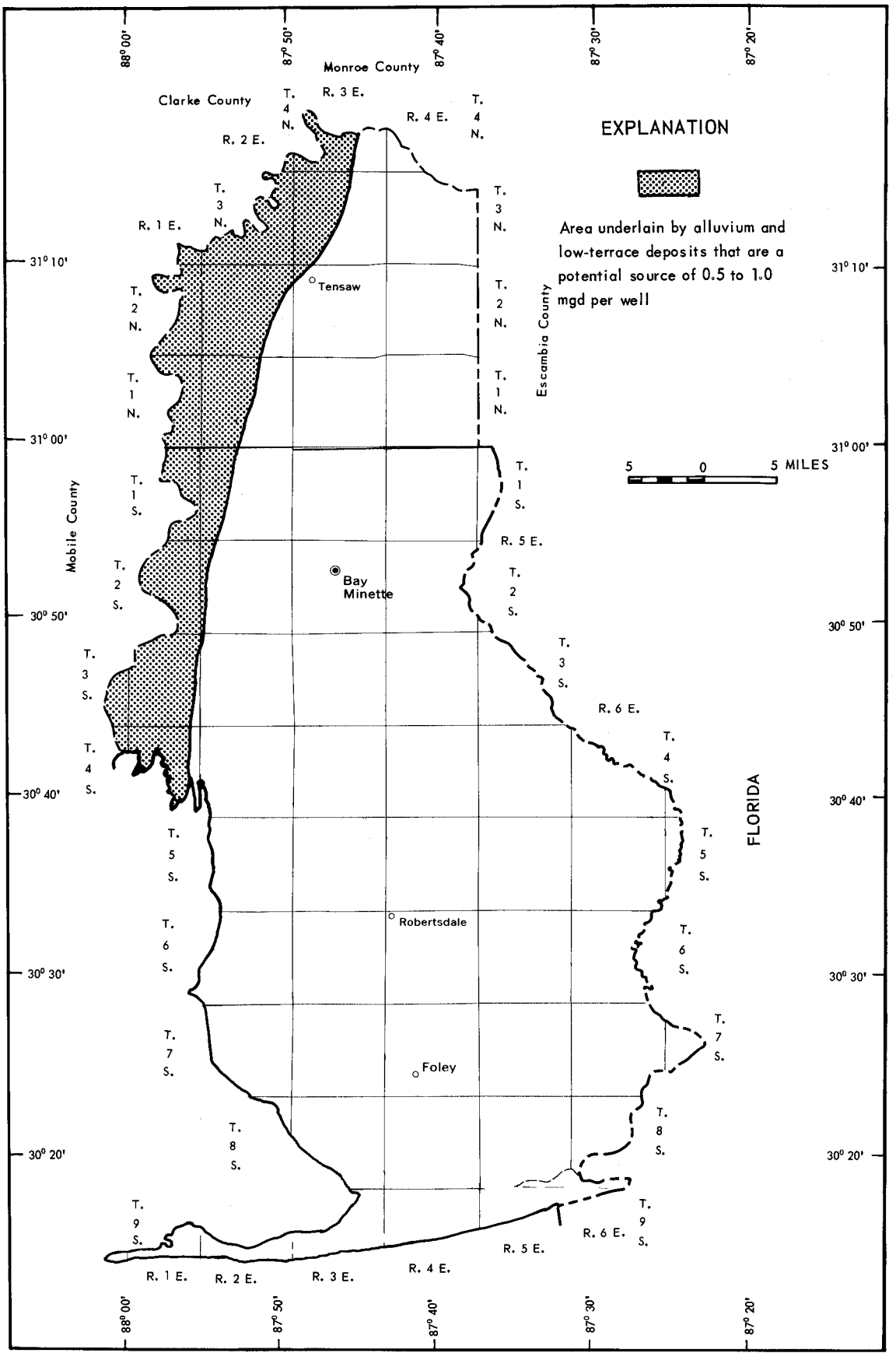

Figure 3.—Area underlain by alluvium and low-terrace deposits that are a potential source of 0.5 to 1.0 mgd per well.

inches, which in turn shows that annual recharge to the ground-water reservoirs exceeds 12 inches. Average flows and 7-day Q_2's for streams in the county are shown on the water availability map.

During a year of average streamflow conditions, streams flowing through and originating in Baldwin County discharge about 41,000 mgd of water into bays along southern and western boundaries of the county. About 2,140 mgd of the total streamflow is derived from rainfall within the county. Principal streams draining Baldwin County are the Mobile, Tensaw, Alabama, Perdido, and Fish Rivers. A braided network of streams connect the Mobile and Tensaw Rivers west of Bridgehead, Crossroads, and Vaughn. Subordinate streams within the Mobile River basin include Little River and Holley, Pine Log, Majors, and Bay Minette Creeks. The main tributaries of the Perdido River are Dyas Creek, and Styx and Blackwater Rivers.

The Mobile River is the largest source of surface water in Baldwin County. It has an average flow of 39,400 mgd and a 7-day Q_2 of 7,750 mgd about 8 miles northwest of Vaughn below the confluence of the Tombigbee and Alabama Rivers. The Alabama River has an average flow of 21,100 mgd west of Blacksher. Perdido River has an average flow of 1,160 mgd near Perdido Bay and, about 15 miles upstream, has an average flow of 489 mgd and a 7-day Q_2 of 178 mgd. Little, Fish, Blackwater, and Styx Rivers have average flows that range from 79 to 160 mgd and 7-day Q_2's that range from 25.8 to 59 mgd at network stations nearest their confluence with larger streams and bays (water availability map). Flow-duration curves for Fish and Styx Rivers indicating the percentage of time specified discharges are equaled or exceeded are shown in figure 4.

CHEMICAL QUALITY OF WATER

The chemical quality of water may limit the water's usefulness for particular purposes. Domestic water users are usually concerned with the hardness and with the iron, chloride, and dissolved-solids content of the water. Most municipal supplies are selected to insure good quality or are treated to reduce or remove objectionable minerals and properties of the water. Quality requirements for industrial water depends on the type of use made of the water. Some industries have quality requirements that are far more exacting than requirements for municipal supplies; other industries use water only for cooling and can use highly mineralized water.

Iron in excess of 0.3 mg/l (milligrams per liter) may cause staining of porcelain or enamel fixtures, clothing, or other fabrics. Hard water is objectionable for some uses and soft water under certain conditions may induce corrosion. General terms used in this report to describe hardness of water are as follows: soft, 0-60 mg/l; moderately hard, 61-120 mg/l; hard, 121-180 mg/l; and very hard, 181 mg/l or more. Chloride content also affects the suitability of water for many uses. If chloride is present in sufficient concentration, the water has an objectionable taste.

GROUND WATER

Ground water of suitable chemical quality for many uses is available in most parts of Baldwin County. In general, the water is more acidic (pH less than 7.0) in the southern part of the county than in the northern part and becomes progressively more acidic from Stapleton southward to the Gulf of Mexico. Objectionable amounts of iron are present locally throughout the county but occur commonly in areas adjacent to the larger streams. The quality of water available in individual geologic units is summarized in table 1.

Wells tapping the Miocene-Pliocene aquifer, except for those located in areas adjacent to the Mobile River and the Gulf of Mexico, generally yield water that is soft and low in dissolved solids. The pH of the water is generally less than 6.5 and, locally, the iron content exceeds 0.3 mg/l. Water in the Miocene-Pliocene aquifer that has a dissolved-solids content exceeding 1,000 mg/l,

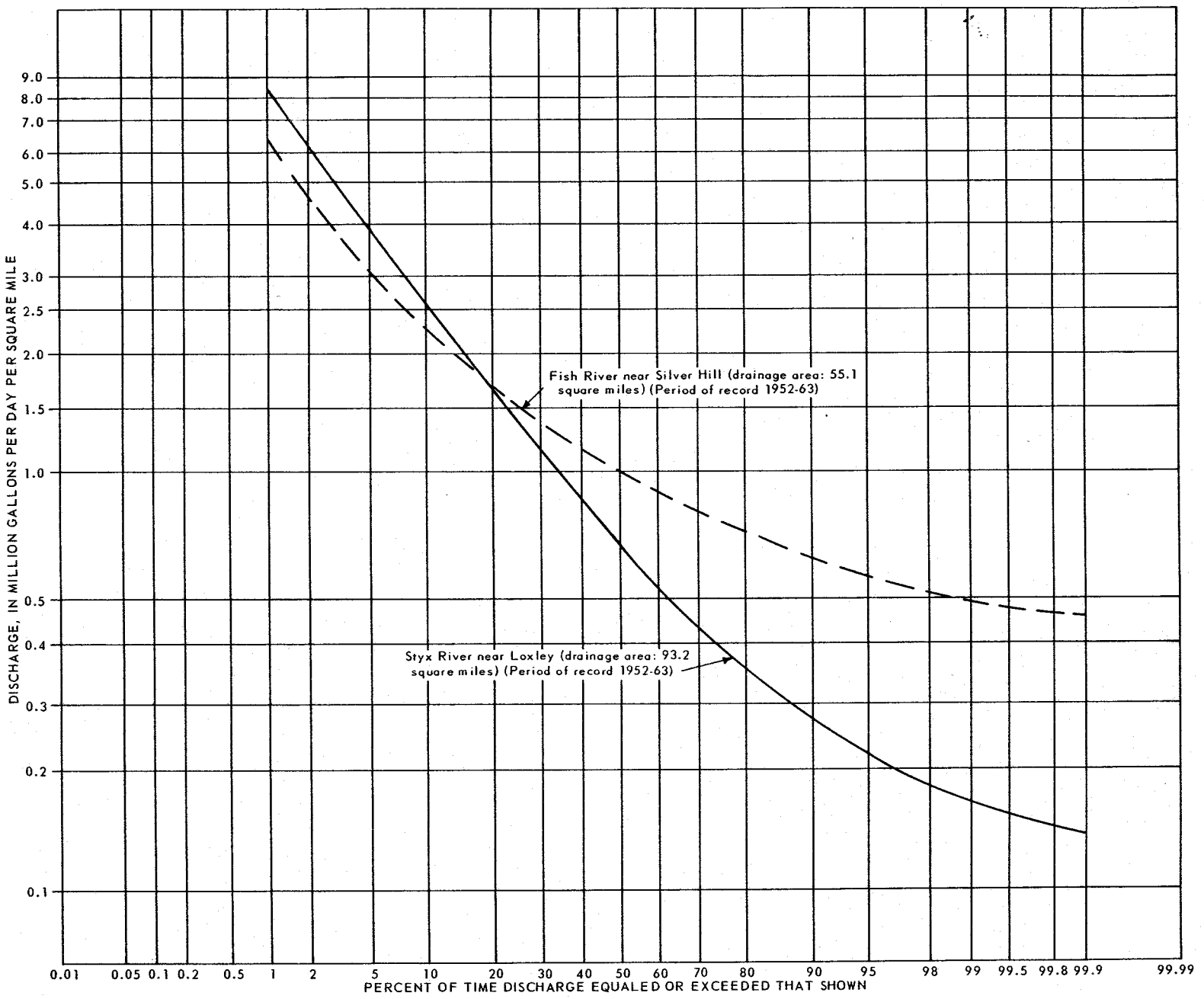

Figure 4.—Flow-duration curves for Fish and Styx Rivers.

a sulfurous odor, and a chloride content exceeding 500 mg/l generally occurs in the area adjacent to the Mobile River, and locally occurs in the area adjacent to the Gulf of Mexico.

Water in alluvium and low terrace deposits in the Perdido River basin and in the Mobile River basin in the north half of Baldwin County probably is of good chemical quality but locally may have a dissolved-solids content that exceeds 1,000 mg/l and may contain objectionable amounts of iron. Water in the alluvium and low terrace deposits adjacent to Mobile Bay, the Gulf of Mexico, and in the Mobile River basin between Crossroads and Bridgehead is of good quality in many places but commonly is very hard, has a sulfurous odor, and contains objectionable amounts of iron. Locally, in areas close to the bay and seashore, the water has high chloride and dissolved-solids contents.

Wells tapping high terrace deposits will probably yield water that is soft and of good quality. Locally, the water is reported to contain objectionable amounts of iron.

The estimated depth below mean sea level of the base of water with a dissolved-solids content of less than 1,000 mg/l is shown on figure 5. Chemical analyses of water collected from wells in Baldwin County are given in table 4.

SURFACE WATER

Streams in Baldwin County, except in areas affected by salt-water intrusion, contain water of good chemical quality. The water is soft and specific conductance indicates a dissolved-solids content generally less than 100 mg/l. Locally, the water may have a low enough pH to be objectionable for some uses. Streamflow and chemical quality data are given in table 5.

During periods of high tide, highly mineralized water moves into streams in southern and western parts of the county. The extent of the movement inland depends on a number of factors including stream discharge, tidal variation, and shape and configuration of the stream channel. The approximate extent of the movement in Mobile, Tensaw, Fish, Styx, Blackwater, and Perdido Rivers and Bay Minette Creek is indicated by chloride concentrations in water collected during the periods June 29 to July 1 and August 31 to September 1, 1966 (fig. 6). Similar surveys were made from 1944 to 1946 and from 1952 to 1954 (Robinson and others, 1956, p. 21) on the Mobile River and on the Perdido River in 1961 (Musgrove and others, 1965, p. 33).

WATER USE

Water use in Baldwin County has increased with the expanding population and industry, which has centered in or near towns within the county. For example, water requirements rose from an average of 0.2 mgd to 0.4 mgd at Foley in the 10-year period ending in 1966. All water for municipal use and for most other uses in Baldwin County is obtained from wells. The water used is less than 1 percent of that available for development. Water use in Baldwin County in 1966, estimated in million gallons per day, is as follows:

Municipal use.....	2.0
Industrial use.....	1.5
Irrigation use.....	1.3
Rural domestic use.....	1.8
Livestock.....	.5
Total	7.1

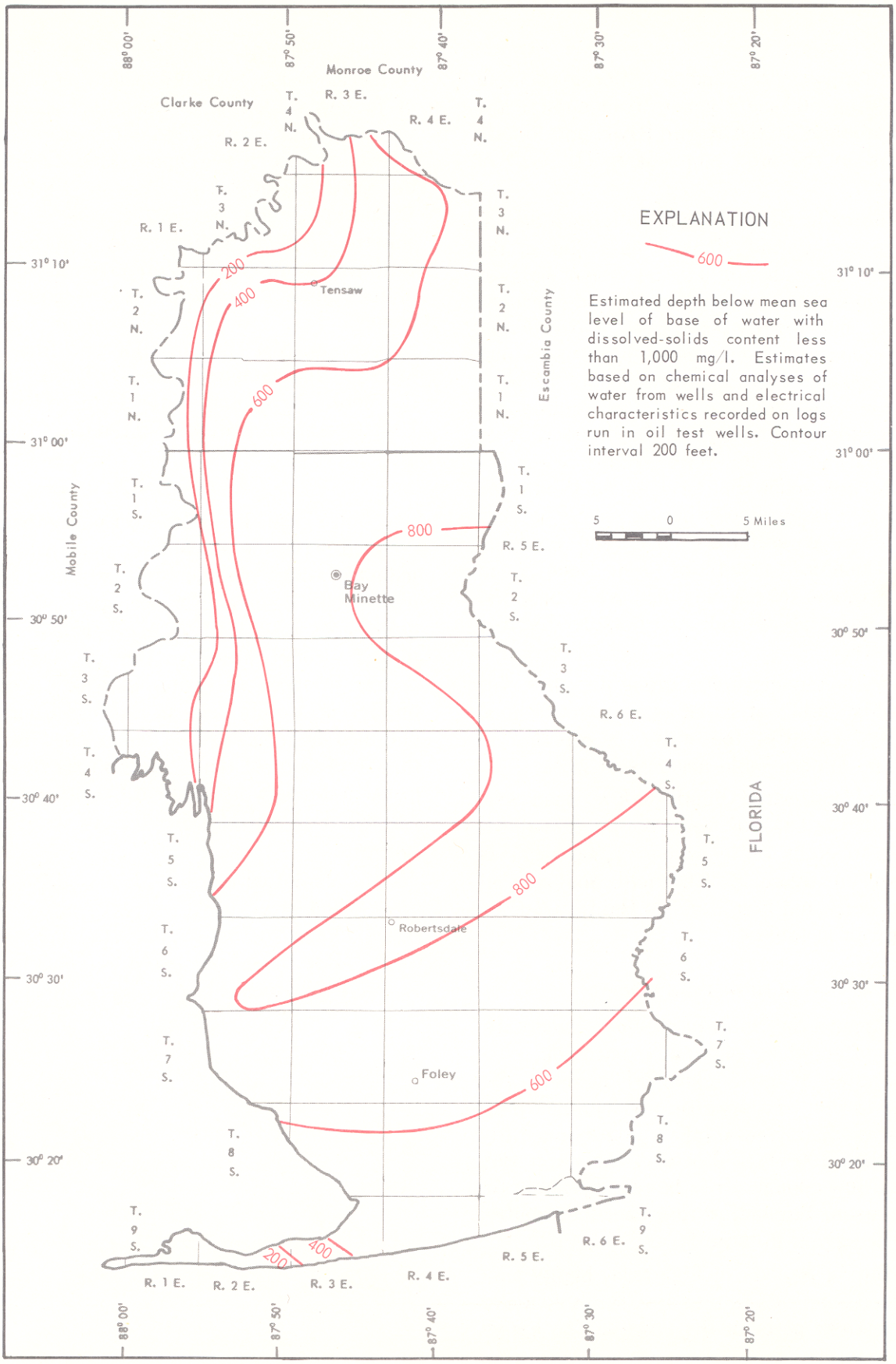

Figure 5.—Estimated depth below mean sea level of base of water with dissolved-solids content less than 1,000 mg/l.

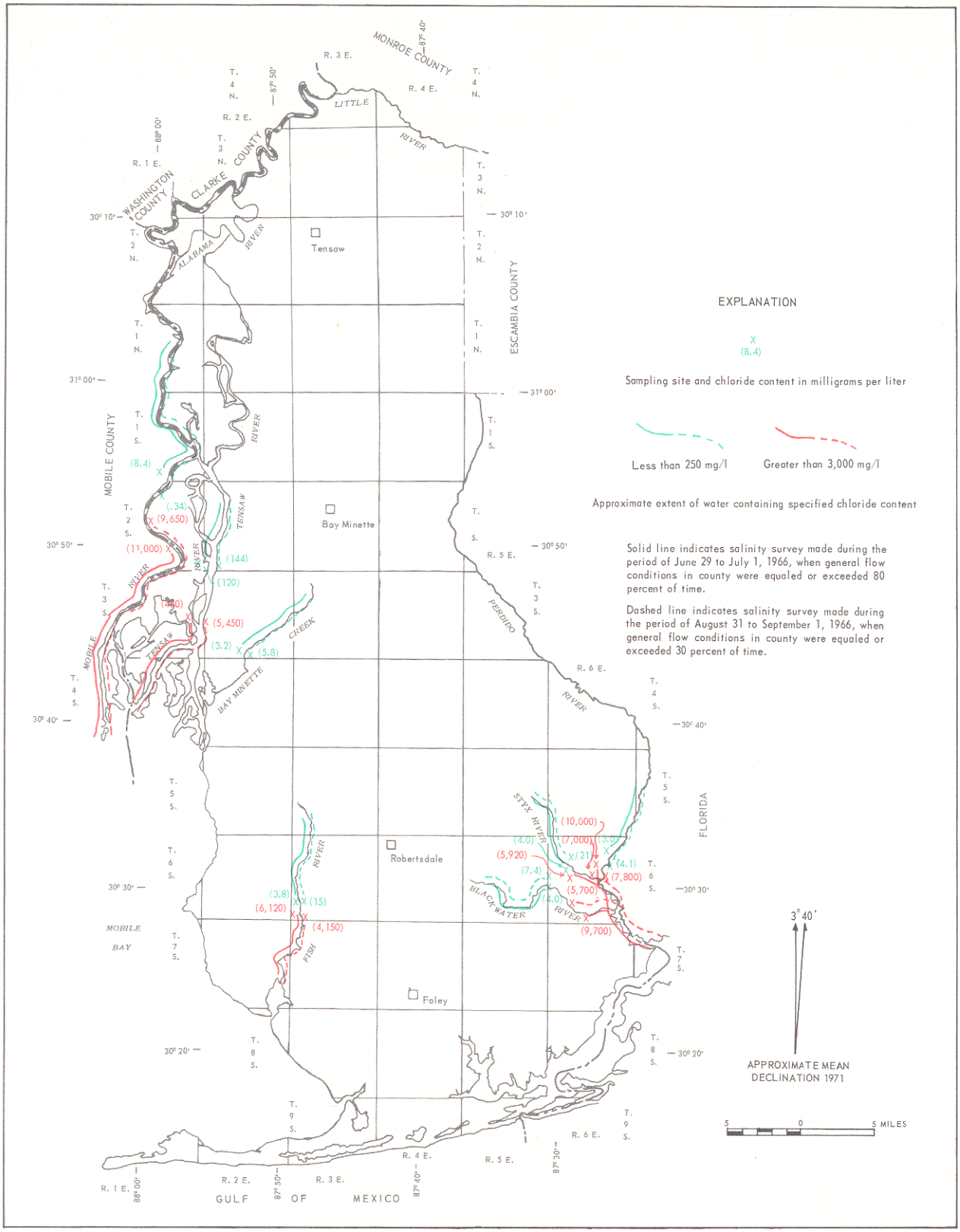

Figure 6.—Chloride content of water in selected tidal streams.

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TABLES

Table 1.—*Geologic units and their water-bearing properties*

Series	Geologic unit	Thickness (feet)	Lithology	Yield	Quality of water
Holocene and Pleistocene	Alluvium, low terrace, and coastal deposits	0-150	Sand, white, gray, orange, and brown, very fine to coarse-grained, contains gravel in places; gray and orange sandy clay.	Will yield 10 gpm where saturated sands are of sufficient thickness. Potential source of 0.5 to 1.0 mgd per well in the Mobile River basin.	Probably of good chemical quality in north half of county but locally may have a dissolved-solids content that exceeds 1,000 mg/l and may contain objectionable amounts of iron. In south half of county adjacent to major waterways, water commonly contains objectionable amounts of iron, is very hard, and has a sulfurous odor. Locally, in areas adjacent to the coastline, the water is highly mineralized.
	High terrace deposits	0-30		Will yield 10 gpm where saturated sands are of sufficient thickness.	Water probably is of good chemical quality; locally it may contain objectionable amounts of iron.
Pliocene	Citronelle Formation	0-130	Sand, dark-reddish-brown, fine- to coarse-grained, gravelly in places, contains clay balls and partings; light-gray, orange, and brown sandy clay; ferruginous cemented sandstone.	Miocene-Pliocene aquifer: Will yield 1 mgd or more per well.	Water generally is of good quality being soft and low in dissolved solids. Locally, the water contains objectionable amounts of iron and generally is acidic. In some areas adjacent to the coastline and in the Mobile River basin, the water has a dissolved-solids content that exceeds 1,000 mg/l, a chloride content that exceeds 500 mg/l, and a sulfurous odor.
Miocene	Miocene Series undifferentiated	100-3,000	Sand, light-gray, yellowish-gray, yellow, white, fine- to coarse-grained, thin-bedded to massive; gray sandy clay; gray thin-bedded limestone.		
Oligocene*	Eocene and Oligocene Series	100-500	Limestone, grayish-yellow and gray, glauconitic, fossiliferous; gray and green clay that is glauconitic and carbonaceous in places.	Potential source of 0.5 mgd per well.	Water may be of good chemical quality in northernmost part of the county near Little River. Dissolved-solids content exceeds 1,000 mg/l in all other parts of the county.
Eocene*		400-700	Limestone, light-brown and light-gray, sandy, fossiliferous; light-gray fine- to coarse-grained sand; gray calcareous sandy fossiliferous clay.		

* Present in subsurface, crops out north of Baldwin County.

Table 2.—*Records of wells in Baldwin County*

Water-bearing unit: Teu, Eocene Series undifferentiated; Tmu, Miocene Series undifferentiated; Tci, Citronelle Formation; Qht, high-terrace deposits; Qal, alluvium, low-terrace deposits, and coastal deposits.
Altitude: Altitudes determined by aneroid barometer or from topographic maps.
Water level: Reported levels given in feet; measured levels given in feet and tenths.

Method of lift: C, centrifugal; F, flow; J, jet; M, manual; N, none; P, piston; S, submergible; T, turbine.
Use of water: D, domestic; F, fire protection; Ind, industrial; Irr, irrigation; PS, public supply; S, stock; U, unused.

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
A-1	C. E. Gantt	B. Huff	1963	330	4, 2	Teu	55			F, J	D	Measured flow 12 gpm on 8-4-66
A-2	N. Phillips	do	1956	36	2	Qht	105			J	D	Casing: 2-in from surface to 31 ft; 2-in screen from 31 to 36 ft. Water reported to contain objectionable amount of iron.
A-3	C. E. Phillips	J. D. McCrory	1957	79	2	Tmu	77	64	1957	J	D	Casing: 2-in from surface to 74 ft; 2-in screen from 74 to 79 ft. Water reported to contain objectionable amount of iron.
A-4	A. Boone	Byrds Well and Pump Supply Co.	1959	48	2	Tmu	160			J	D, S	Casing: 2-in from surface to 45 ft; 2-in screen from 45 to 48 ft.
B-1	J. M. Gray	F. Cumbie	1961	35	2	Qal	27			J	D	Casing: 2-in from surface to 32 ft; 2-in screen from 32 to 35 ft. Water reported cloudy after heavy rains. Supplies store, home, and 3 cabins.
B-2	P. B. Cox	-- Crysel	1959	40	2	Qal	42			J	S	Casing: 2-in from surface to 37 ft; 2-in screen from 37 to 40 ft. Supplies dairy with 100 cows.
C-1				5,445								Oil test, permit No. 673, referred to as Wm. H. & Charles O. Oswell No. 1.
C-2				5,475								Oil test, permit No. 265, referred to as C. O. Oswell, et al, No. 1.
C-3				6,512								Oil test, permit No. 287, referred to as Paul Danner No. 1.
C-4	H. S. Tunstall	H. S. Tunstall	1945	32	2	Qal	32			P	D, S	Casing: 2-in from surface to 29 ft; 2-in screen from 29 to 32 ft.
C-5	W. James	J. A. Mosely	1965	69	2	Tmu	28			J	D, S	Casing: 2-in from surface to 65 ft; 2-in screen from 65 to 69 ft. Supplies 3 homes.
C-6	R. More	B. Ross	1949	80	2	Tmu	38	11	1949	P	D, S	Casing: 2-in from surface to 77 ft; 2-in screen from 77 to 80 ft.

D-1	.....	.....	.....	6,360	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 493, referred to as Frank F. Earle, et al, No. 1.
D-2	V. E. Bradley	L. A. Lambert	1926	210	2	Tmu	140	.....	.....	P	D, S	Casing: 2-in from surface to 205 ft; 2-in screen from 205 to 210 ft. Water reported to contain objectionable amount of iron.
D-3	Mrs. G. Doody	Shumock and Lane Water Wells.	1965	320	2	Tmu	160	.....	.....	P	D	Casing: 2-in from surface to 313 ft; 2-in screen from 313 to 320 ft.
D-4	T. J. Earle	Byrds Well and Pump Supply Co.	1962	217	4	Tmu	140	.....	.....	J	D, S	Casing: 4-in from surface to 214 ft; 2-in screen from 214 to 217 ft. Water reported to contain objectionable amount of iron. See driller's log.
D-5	....do	....do	1964	60	2	Qht	170	.....	.....	J	Ind	Supplies sawmill.
D-6	Mrs. C. Earle	P. S. Farnell	1965	40	2	Qht	165	.....	.....	J	D	Casing: 2-in from surface to 36 ft; 2-in screen from 36 to 40 ft.
D-7	Little Zion Methodist Church.	.....	1939	24	1¼	Qal	36	13	1946	P	PS	Casing: 1¼-in from surface to 21 ft; 1¼-in screen from 21 to 24 ft.
D-8	H. S. Coghlen	W. R. Bell	1946	130	2	Tmu	135	.....	.....	P	D, S	Casing: 2-in from surface to 126 ft; 2-in screen from 126 to 130 ft. Water reported to contain objectionable amount of iron.
E-1	P. B. McConnell	Byrds Well and Pump Supply Co.	.....	149	2	Tmu	130	99	1966	P	D	Casing: 2-in from surface to 141 ft; 2-in screen from 141 to 149 ft.
E-2	....do	B. B. Booker	1962	47	2	Qht	125	.....	.....	J	D	Casing: 2-in from surface to 43 ft; 2-in screen from 43 to 47 ft.
E-3	E. F. Cumbie	....do	1966	165	2	Tmu	142	70	1966	J	D	Casing: 2-in from surface to 162 ft; 2-in screen from 162 to 165 ft.
E-4	J. T. Cumbie	J. T. Cumbie	1935	48	8	Qht	179	43	1966	M	D	Casing: 8-in terra cotta tile from surface to 48 ft.
E-5	.....	.....	.....	6,360	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 494, referred to as F. F. Earle No. 1.
E-6	.....	.....	.....	6,489	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 590, referred to as W. M. Alexander No. 1.
E-7	L. P. Reynolds	Kyser Pump Service	1963	48	2	Tmu	310	.....	.....	J	D, S	Casing: 2-in from surface to 44 ft; 2-in screen from 44 to 48 ft.
F-1	.....	.....	.....	6,704	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 594, referred to as Hamilton-Armour, et al, H. Howard Patterson No. 2.
F-2	.....	.....	.....	6,812	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 593, referred to as Hamilton-Armour, et al, H. Howard Patterson No. 1.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
F-3	D. Taylor	D. Taylor	1946	60	8, 2	Tmu	310	56	1946	J	D	
F-4	Carney Timberland Co	Kyser Pump Service	1966	88	2	Tmu	283	.....	.....	J	D	Casing: 2-in from surface to 82 ft; 2-in screen from 82 to 88 ft. Supplies lumber camp.
F-5	T. M. Presley	R. Bell	1949	100	2	Tmu	282	.....	.....	J	D	
F-6	Carney Mills	.....	.....	6,680	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 198, referred to as Carney Mills No. 1.
F-7	J. O. Hayles	Byrds Well and Pump Supply Co.	1966	60	2	Tmu	300	40	1966	J	D	Casing: 2-in from surface to 56 ft; 2-in screen from 56 to 60 ft.
F-8	.....	.....	.....	6,512	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 220, referred to as S. P. Borden and Crow Drilling Co. No. 1, W. M. Carney Mill Co. No. 1.
F-9	M. G. Brown	M. G. Brown	1960	97	2	Tmu	295	50	1960	J	S	Casing: 2-in from surface to 93 ft; 2-in screen from 93 to 97 ft. Reportedly pumped at 15 gpm in 1966. Supplies dairy with 45 cows.
F-10	....do	....do	1952	87	2	Tmu	305	53	1964	J	D, S	Casing: 2-in from surface to 83 ft; 2-in screen from 83 to 87 ft. Supplies home and dairy with 40 cows.
G-1	Mrs. C. Slaughter	Etheridge Plumbing Co	1963	235	4	Tmu	160	101.2	8-16-66	S	D	Water is high in iron content. See driller's log.
G-2	M. L. McGuire	B. B. Booker	1950	97	2	Tmu	120	.....	.....	P	D	Casing: 2-in from surface to 94 ft; 2-in screen from 94 to 97 ft.
G-3	.....	.....	.....	6,500	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 237, referred to as W. M. Carney Mill Company No. 2.
G-4	.....	.....	.....	6,817	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 160, referred to as P. L. Wilson No. 1.
H-1	.....	.....	.....	6,135	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 434, referred to as T. T. Tunstal No. 1.
H-2	V. E. Reynolds	Holland Well Co	1947	240	6	Tmu	10	17 14.35	1949 8-16-66	J	D	Casing: 4-in from surface to 230 ft; 4-in screen from 230 to 240 ft.
H-3	W. Johnson	J. A. Mosely	1966	296	2	Tmu	95	.....	.....	J	D	Casing: 2-in from surface to 288 ft; 2-in screen from 288 to 296 ft.
H-4	.....	.....	.....	6,929	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 225, referred to as C. H. Bryars No. 1.

I-1	.....	.....	.....	9,009	.....	.....	2	.....	.....	.....	.....	Oil test, permit No. 561, referred to as Bacon-McMillian Veneer Company No. 1.
J-1	.....	.....	.....	8,000	.....	.....	4	.....	.....	.....	.....	Oil test, permit No. 887, referred to as G. R. Bryant No. 1.
J-2	.....	.....	.....	10,008	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 242, referred to as B. D. Simison, et al, No. 1.
J-3	.....	.....	.....	7,640	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 893, referred to as P. A. Bryant No. 1.
K-1	J. A. Bryars	.....	1966	80	3	Qal	3	.....	.....	.....	U	Casing: 3-in from surface to 80 ft; slotted from 60 to 80 ft. Reportedly pumped at 80 gpm when drilled. Water has sulfurous odor.
K-2	H. I. Bryars	H. A. Presnall	1964	50	2	Qal	25	.....	.....	J	PS	Casing: 2-in from surface to 45 ft; 2-in screen from 45 to 50 ft. Supplies cabins and trailers.
K-3	W. A. Bryant	Deep Well Drilling Co	1948	560	2	Tmu	56	+ 8.9 + 2.0	9- 1-49 8- 3-66	P	D, S	Casing: 2-in from surface to 550 ft; 2-in screen from 550 to 560 ft. Measured flow 20 gpm on 9-1-49 and 2.2 gpm on 8-3-66. See driller's log.
K-4	....do	....do	1948	243	2	Tmu	12	+ 8.0 + 5.2	9- 1-49 8- 3-66	J	D, PS	Casing: 2-in from surface to 235 ft; 2-in screen from 235 to 243 ft. Reported flow 5 gpm in 1949 and measured flow 2.3 gpm on 8-3-66. Water has sulfurous odor.
K-5	Baldwin County Board of Education.	Etheridge Plumbing Co	1965	86	4	Tmu	110	40	1965	S	PS	Casing: 4-in from surface to 76 ft; 4-in screen from 76 to 86 ft. Water reported to contain objectionable amount of iron. See driller's log.
K-6	N. M. McInnes	A. W. Williams Inspection Co.	1952	196	4	Tmu	105	.....	.....	T	D, Irr	Casing: 4-in from surface to 176 ft; 4-in screen from 176 to 196 ft. Reportedly pumped at 70 gpm in 1952. Water reported to contain objectionable amount of iron.
K-7	Mrs. M. L. McMillian	Etheridge Plumbing Co.....	1957	165	4	Tmu	105	.....	.....	T	D, Irr	Water reported to contain objectionable amount of iron.
K-8	Baldwin County Board of Education.	Deep Well Drilling Co	1948	221	4	Tmu	114	71	1948	T	PS	Casing: 4-in from surface to 200 ft; 4-in screen from 200 to 221 ft. Water reported to contain objectionable amount of iron. Supplies school. See driller's log.
L-1	.....	.....	.....	7,103	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 208, referred to as Ben May No. 1.
L-2	Baldwin County Board of Education.	Etheridge Plumbing Co	1963	180	4	Tmu	270	147	1963	S	PS	Casing: 4-in from surface to 170 ft; 4-in screen from 170 to 180 ft. Supplies school with 63 students. See driller's log.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
M-1	E. O. Stewart	J. A. Mosely	1962	84	2	Tmu	250			J	D, S	Casing: 2-in from surface to 80 ft; 2-in screen from 80 to 84 ft.
M-2	D. L. Hadley	W. R. Bell	1960	47	2	Tmu	240			J	D	Casing: 2-in from surface to 43 ft; 2-in screen from 43 to 47 ft. Reportedly pumped at 15 gpm. Water reported to contain objectionable amount of iron.
M-3	L. Bryars	J. A. Mosely	1965	75	2	Tmu	277			J	D	Casing: 2-in from surface to 71 ft; 2-in screen from 71 to 75 ft.
M-4	A. E. Hall	do	1966	75	2	Tmu	248			J	D	Casing: 2-in from surface to 71 ft; 2-in screen from 71 to 75 ft.
M-5	P. Hall	do	1966	68	2	Tmu	210			J	D	Casing: 2-in from surface to 64 ft; 2-in screen from 64 to 68 ft. Water reported to contain objectionable amount of iron.
M-6	Baldwin County Board of Education.	Holland Well Co	1947	260	4, 3	Tmu	270	90	1949	T	PS	Casing: 4-in from surface to 235 ft; 4-in screen from 235 to 255 ft; 3-in screen from 255 to 260 ft. Supplies school with 371 students.
N-1	J. F. Pimperl	W. R. Bell		90	2	Tmu	180			J	D	Casing: 2-in from surface to 86 ft; 2-in screen from 86 to 90 ft.
O-1	E. D. Byrd	Etheridge Plumbing Co	1955	142	4	Tmu	272	90	1965	S	D	Casing: 4-in from surface to 132 ft; 4-in screen from 132 to 142 ft. Reportedly pumped at 20 gpm. Water reported to contain objectionable amount of iron.
O-2	J. F. Pimperl	W. R. Bell	1961	40	2	Tmu	210			J	D	Casing: 2-in from surface to 37 ft; 2-in screen from 37 to 40 ft. Water reported to contain objectionable amount of iron.
O-3	G. Demko	G. Demko	1953	28	8	Tmu	180			P	D	Casing: 8-in terra cotta tile from surface to 28 ft.
O-4	L. W. Sandberg	Etheridge Plumbing Co	1954	240	2	Tmu	205			P	D	Casing: 2-in from surface to 235 ft; 2-in screen from 235 to 240 ft. Water reported to contain objectionable amount of iron and to be corrosive.
O-5	O. S. Flowers	L. Ducks	1945	72	2	Tmu	210	62	1949	J	D, S	Casing: 2-in from surface to 69 ft; 2-in screen from 69 to 72 ft.
P-1	J. W. Joiner	J. A. Mosely	1966	82	2	Tmu	285			J	D	Casing: 2-in from surface to 78 ft; 2-in screen from 78 to 82 ft.

P-2	Mobile Presbyterian Camp and Recreational Center.	Byrds Well and Pump Supply Co.	1963	280	4	Tmu	275	.....	.....	S	PS	Water reported to contain objectional amount of iron.
P-3	....do.....	....do.....	1962	170	4	Tmu	270	.....	.....	S	PS	Supplies camping areas.
P-4	C. Hyatt.....	C. Hyatt.....	1949	60	2	Tmu	280	.....	.....	J	D	Casing: 2-in from surface to 55 ft; 2-in screen from 55 to 60 ft. Water reported to contain objectionable amount of iron.
P-5	E. E. Drinkard.....	J. A. Mosely.....	1965	42	2	Tmu	280	.....	.....	J	D, S	Casing: 2-in from surface to 38 ft; 2-in screen from 38 to 42 ft. Supplies home and 10,000 chickens.
Q-1	Mrs. V. A. Cox, Jr.....	.....	.....	22	2	Qht	110	.....	.....	P	PS	Supplies restaurant.
Q-2	L. D. Thompson.....	L. D. Thompson.....	1963	22	1¼	Qht	113	18	1946	J	D, S	Casing: 1¼-in from surface to 19 ft; 1¼-in screen from 19 to 22 ft.
Q-3	Bacon-McMillian Veneer Co.	--Baxter.....	1956	90	6	Tmu	21	27.6	7-29-66	T	Ind	Casing: 6-in from surface to 80 ft; 6-in screen from 80 to 90 ft.
Q-4	....do.....	.....	1912	465	6, 3	Tmu	20	+1 +0.5	1949 7-29-66	F	Ind	Screened from 455 to 465 ft. Estimated flow 2 gpm on 8-3-66. Water has sulfurous odor. Gamma ray log in files of U.S. Geol. Survey.
Q-5	....do.....	--Baxter.....	1959	90	4	Tmu	22	.....	.....	T	Ind	Casing: 4-in from surface to 80 ft; 4-in screen from 80 to 90 ft.
Q-6	A. E. Martin.....	Holland Well Co.....	1965	186	2	Tmu	110	.....	.....	J	D	Casing: 2-in from surface to 182 ft; 2-in screen from 182 to 186 ft.
Q-7	....do.....	A. E. Martin.....	1900	48	2	Tmu	110	38	1946	J	D, S	Casing: 2-in from surface to 44 ft; 2-in screen from 44 to 48 ft.
Q-8	.....	.....	.....	7,503	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 208, referred to as Ben May, et al, No. 1.
Q-9	International Paper Co.....	.....	1930	144	2	Tmu	70	+4 +0.5	1949 8- 2-66	..... F	..... U	Reported flow 1 gpm in 1949 and measured flow 0.5 gpm on 8-2-66.
Q-10	B. Hall.....	J. A. Mosely.....	1965	48	2	Tmu	78	.....	.....	J	D	Casing: 2-in from surface to 44 ft; 2-in screen from 44 to 48 ft.
Q-11	J. Hastie.....	W. R. Bell.....	.....	98	2	Tmu	15	.....	.....	J	D	Casing: 2-in from surface to 94 ft; 2-in screen from 94 to 98 ft. Supplies 8 homes.
Q-12	....do.....	....do.....	.....	120	2	Tmu	20	.....	.....	J	D	Casing: 2-in from surface to 112 ft; 2-in screen from 112 to 120 ft.
Q-13	W. M. Smith.....	.....	.....	27	1¼	Qht	102	.....	.....	P	D	Casing: 1¼-in from surface to 24 ft; 1¼-in screen from 24 to 27 ft.
T-1	Mrs. M. S. Reynolds.....	--Crysel.....	1957	40	2	Tmu	100	.....	.....	J	D	Casing: 2-in from surface to 37 ft; 2-in screen from 37 to 40 ft. Water reported to contain objectionable amount of iron.
T-2	Maritime Administration, U.S. Dept. of Commerce.	Deep Well Drilling Co.....	1947	256	4	Tmu	40	1 6.10	1949 7-29-66	N	U	Casing: 4-in from surface to 232 ft; 4-in screen from 232 to 256 ft. See driller's log. Sample log in files of U.S. Geol. Survey.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
T-3	C. Eddins	Deep Well Drilling Co.	1948	251	4	Tmu	34	+3 +1.4	1949 7-29-66	C	PS	Casing: 4-in from surface to 241 ft; 3-in screen from 241 to 251 ft. Measured flow 0.7 gpm on 7-29-66. Water has sulfurous odor. Supplies 6 cabins and 9 trailers at fish camp.
T-4	J. L. Robinson	-- Redmon	1964	108	2	Tmu	56	.....	.....	J	D	Casing: 2-in from surface to 104 ft; 2-in screen from 104 to 108 ft. Water reported to contain objectionable amount of iron.
T-5	R. E. Rieben	R. E. Rieben	1957	56	2	Tmu	227	.....	.....	J	D	Casing: 2-in from surface to 53 ft; 2-in screen from 53 to 56 ft.
T-6	Louisville and Nashville Railroad.	.....	.....	226	4	Tmu	22	+20 +15.0 +14.7	1949 7-29-66 12- 1-66	F	PS	Estimated flow 10 gpm in 1949 and measured flow 6 gpm on 7-29-66.
T-7	Mrs. E. Earl	J. A. Mosely	1961	220	2	Tmu	13	+15.3	7-26-66	J	PS	Casing: 2-in from surface to 210 ft; 2-in screen from 210 to 220 ft. Measured flow 4.2 gpm on 7-26-66. Water has sulfurous odor.
T-8	C. E. Steward	do	1965	80	2	Tmu	140	67	1966	J	D	Casing: 2-in from surface to 76 ft; 2-in screen from 76 to 80 ft.
T-9	C. J. Peacock	W. R. Bell	1966	113	2	Tmu	145	.....	.....	J	D	Casing: 2-in from surface to 109 ft; 2-in screen from 109 to 113 ft.
T-10	Baldwin County Board of Education.	J. A. Mosely	1966	197	4	Tmu	215	119.3	12- 1-66	S	PS	Casing: 4-in from surface to 187 ft; 4-in screen from 187 to 197 ft. Supplies school with 75 students.
U-1	W. J. Russell	do	1966	110	2	Tmu	235	.....	.....	J	D	Casing: 2-in from surface to 106 ft; 2-in screen from 106 to 110 ft.
U-2	A. B. McDill	L. Ducks	1945	106	2	Tmu	270	72	1946	J	U	Casing: 2-in from surface to 103 ft; 2-in screen from 103 to 106 ft. See driller's log.
U-3	C. T. Powell	J. A. Mosely	1963	55	8, 2	Tmu	260	46	1966	J	D, Irr	Casing: 2-in from surface to 51 ft; 2-in screen from 51 to 55 ft.
U-4	Mrs. J. Pugh	Shumock and Lane Water Wells.	1966	120	2	Tmu	265	.....	.....	J	D, S	Casing: 2-in from surface to 115 ft; 2-in screen from 115 to 120 ft. Water reported to contain objectionable amount of iron.
U-5	Town of Bay Minette	Layne-Central Co	1938	229	12, 8	Tmu	269	90.4	7-20-66	T	PS	Casing: 12-in from surface to 196 ft; 8-in from 162 to 207 ft; 8-in screen from 207 to 229 ft. Reported drawdown

												41 ft after 24 hrs pumping 320 gpm in 1938. See driller's log.
U-6	Newport Industries	do	1938	256	24, 10	Tmu	279	.....	.....	T	Ind	Casing: 24-in from surface to 185 ft; 10-in from surface to 197 ft; 12-in screen from 197 to 250 ft. Reported drawdown 41 ft after 1½ hrs pumping 968 gpm in 1959.
U-7	do	do	1937	257	8	Tmu	260	41.9	8-17-66	T	U	Reportedly pumped at 1,070 gpm.
U-8	F. A. Props	L. Ducks	1943	52	2	Tmu	260	38	1949	J	D, S	Casing: 2-in from surface to 46 ft; 2-in screen from 46 to 52 ft. Supplies 2 homes. See driller's log.
U-9	Town of Bay Minette	Layne-Central Co	1948	204	18, 12	Tmu	270	88.8	7-20-66	T	PS	Casing: 18-in from surface to 148 ft; 12-in from surface to 159 ft; 8-in screen from 160 to 200 ft; no record below. Reported drawdown 23 ft after 8 hrs pumping 361 gpm in 1948. See driller's log.
U-10	V. V. Rhodes	A. W. Williams Inspection Co.	1955	220	10	Tmu	265	90 35	1955 1966	T	U	Casing: 10-in from surface to 180 ft; 10-in screen from 180 to 220 ft. Reportedly pumped at 450 gpm. Formerly used for irrigation.
U-11	Town of Bay Minette	Layne-Central Co	1965	185	24, 12	Tmu	265	65.2	7-20-66	T	PS	Casing: 24-in from surface to 130 ft; 12-in from 80 to 134 ft; screen from 135 to 175 ft; no record below. Reported drawdown 40 ft after pumping 500 gpm. See driller's log.
U-12	P. K. Dickman	J. B. Cooper and Son	1966	52	2	Tci	263	.....	.....	J	D	Casing: 2-in from surface to 48 ft; 2-in screen from 48 to 52 ft.
U-13	Culver Nursery	A. W. Williams Inspection Co.	1956	172	4	Tmu	220	72	1956	T	D, Irr	Casing: 4-in from surface to 142 ft; 4-in screen from 142 to 172 ft. Reportedly pumped at 70 gpm.
V-1	I. J. Stewart	Etheridge Plumbing Co.	1956	65	4	Tmu	195	45	1956	S	D, S	Casing: 4-in from surface to 63 ft; 4-in screen from 63 to 65 ft.
V-2	L. L. Baggett	Byrds Well and Pump Supply Co.	1963	52	2	Tmu	195	48	1949	J	D, S	Casing: 2-in from surface to 48 ft; 2-in screen from 48 to 52 ft.
V-3	.....	.....	.....	7,500	.....	.....	147.2	.....	.....	.....	.....	Oil test, permit No. 759, referred to as No. 1 International Paper Company.
V-4	L. Flowers	L. Flowers	1950	65	8, 2	Tmu	188	35.7	9-13-49	J	D, S	Casing: 8-in tile from surface to 65 ft.
V-5	B. Cordova	.....	1960	115	2	Tmu	140	.....	.....	J	D	
V-6	H. L. Cain	Etheridge Plumbing Co	1963	70	2	Tmu	182	.....	.....	J	D, S	Casing: 2-in from surface to 66 ft; 2-in screen from 66 to 70 ft. Water reported to contain objectionable amount of iron.
V-7	.....	.....	.....	5,028	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. B 305, referred to as Southern Kraft Corporation No. 1.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
W-1	International Paper Co	L. Ducks	1945	95	2	Tmu	155	79	1949	N	U	Casing: 2-in from surface to 92 ft; 2-in screen from 92 to 95 ft.
X-1	U.S. Steel Corp	do	1930	119	2	Tmu	231	90 63.6	1949 5-31-66	N	U	Casing: 2-in from surface to 116 ft; 2-in screen from 116 to 119 ft. See driller's log.
Y-1	Bay Minette Country Club	Builders Hardware Co.	1966	179	2	Tmu	250	70	1966	J	PS	Casing: 2-in from surface to 173 ft; 2-in screen from 173 to 179 ft. See driller's log.
Y-2	do	Holland Well Co	1966	141	4	Tmu	182			T	Irr	Casing: 4-in from surface to 131 ft; 4-in screen from 131 to 141 ft. Reportedly pumped at 75 gpm.
Y-3	W. P. Ward	J. A. Mosely	1964	44	2	Tmu	240	16	1966	J	D	Casing: 2-in from surface to 40 ft; 2-in screen from 40 to 44 ft.
Y-4	Grimes Nursery	do	1966	69	4	Tmu	205			S	Irr, D	Casing: 4-in from surface to 63 ft; 4-in screen from 63 to 69 ft.
Y-5	Town of Stapleton	Powell Drilling and Service Co., Inc.	1964	112	12, 8	Tmu	221	54.2	4-27-66	T	PS	Casing: 12-in from surface to 94 ft; 8-in from 70 to 95 ft; 6-in screen from 95 to 111 ft; no record below. Reported drawdown 34 ft after 1½ hrs pumping 125 gpm in 1964. See driller's log.
Z-1	U.S. Dept. of Commerce	Deep Well Drilling Co		106	3	Tmu	12	6	1949	J	PS	Casing: 3-in from surface to 95 ft; 3-in screen from 95 to 106 ft.
Z-2	do	Ruffles Co		250	3	Tmu	40			T	F	Water reported salty.
Z-3	F. Wallace	F. Wallace		72	2	Tmu	218	50	1966	J	D	Casing: 2-in from surface to 69 ft; 2-in screen from 69 to 72 ft.
Z-4	do	Campbell Hardware and Supply Co.		134	2	Tmu	213			J	D	
Z-5	Baldwin County Board of Education.	Etheridge Plumbing Co.		137	4	Tmu	160	107	1964	S	PS	Casing: 4-in from surface to 127 ft; 4-in screen from 127 to 137 ft. Supplies school with 60 students. See driller's log.
Z-6	L. C. Williams	J. B. Cooper and Son		43	2	Qal	43			J	D	Casing: 2-in from surface to 40 ft; 2-in screen from 40 to 43 ft.
Z-7	do	do		170	2	Tmu	45	70	1966	J	D	Casing: 2-in from surface to 167 ft; 2-in screen from 167 to 170 ft.
Z-8	A. Meaher			260	1¼	Tmu	6			F	D	Reported flow 2 gpm in 1949 and measured flow 0.5 gpm on 7-26-66. Water has sulfurous odor.

Z-9	C. G. Lindsey	C. G. Lindsey	.....	250	2	Tmu	170	140	1964	J	D	Casing: 2-in from surface to 242 ft; 2-in screen from 242 to 250 ft.
Z-10	W. Johnson	W. Johnson	.....	30	2	Tmu	178	.....	.....	J	D	Casing: 2-in from surface to 26 ft; 2-in screen from 26 to 30 ft. Water reported to contain objectionable amount of iron.
Z-11	H. D. Schultz	J. B. Cooper and Son	.....	140	2	Tmu	48	.....	.....	J	D	Casing: 2-in from surface to 136 ft; 2-in screen from 136 to 140 ft. Water reported to contain objectionable amount of iron.
Z-12	H. G. Durant	.....	.....	83	2	Tmu	68	.....	.....	J	D	Casing: 2-in from surface to 80 ft; 2-in screen from 80 to 83 ft. Water reported to contain objectionable amount of iron.
AA-1	.....	.....	.....	13,007	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 1219, referred to as Richard P. Baer II, et al, No. 1.
BB-1	G. D. Argiro	A. W. Williams Inspection Co.	1951	60	2	Qal	5	.....	.....	J	D	Casing: 2-in from surface to 55 ft; 2-in screen from 55 to 60 ft.
BB-2	R. Worcester	W. F. Forster	1940	150	2	Tmu	5	.....	.....	F, J	D	Casing: 2-in from surface to 150 ft. Water reported to contain objectionable amount of iron.
BB-3	....do	Holland Well Co	1960	227	6	Tmu	3	.....	.....	F, J	D	Casing: 6-in from surface to 211 ft; 6-in screen from 211 to 227 ft. Gamma ray log in files of U.S. Geol. Survey.
BB-4	....do	W. F. Forster	1949	95	4	Tmu	5	+1.5	5- 3-66	F	U	Casing: 4-in from surface to 95 ft. Estimated flow 1 gpm on 5-3-66.
BB-5	J. Langley	J. Langley	1961	84	2	Qal	4	2	1961	J	D	Casing: 2-in from surface to 80 ft; 2-in screen from 80 to 84 ft.
BB-6	W. W. Williams	Campbell Hardware and Supply Co.	1951	103	2	Qal	5	1.6	5-12-66	N	U	Water reported salty.
CC-1	L. Buzbee	....do	1965	161	4, 2	Tmu	11	14.2	3- 8-66	J	PS	Casing: 2-in from surface to 158 ft; 2-in screen from 158 to 161 ft. Supplies fish camp.
CC-2	J. B. Cooper	J. B. Cooper and Son	1960	62	2	Tci	195	.....	.....	J	D	Casing: 2-in from surface to 58 ft; 2-in screen from 58 to 62 ft.
CC-3	Malbis Plantation	....do	1957	85	2	Tci	200	65	1957	J	D	Casing: 2-in from surface to 81 ft; 2-in screen from 81 to 85 ft.
CC-4	....do	.....	.....	390	6	Tmu	198	92.0	6-30-66	N	U	Gamma ray log in files of U.S. Geol. Survey.
CC-5	Spanish Fort Utility	Layne-Central Co	1964	309	16, 8	Tmu	152	109.6	3-15-66	T	PS	Casing: 16-in from surface to 260 ft; 10-in from 210 to 265 ft; screen from 265 to 305 ft; no record below. Reported drawdown 13 ft pumping 200 gpm in 1965. Water has sulfurous odor. See driller's log.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of Well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
CC-6	Alabama Mineral Development Corp.	Layne-Central Co	1959	378	18, 8	Tmu	167	149.2	4-27-66	T	PS	Casing: 18-in from surface to 289 ft; 12-in from 239 to 294 ft; 45 ft of 8-in screen between 294 to 368 ft; no record below. Reported drawdown 119 ft after 8 hrs pumping 554 gpm in 1959. See driller's log.
CC-7	Baldwin County Board of Education.	Etheridge Plumbing Co.		137	4	Tmu	160			S	PS	Casing: 4-in from surface to 127 ft; 4-in screen from 127 to 137 ft. Supplies school with 260 students.
CC-8	Spanish Fort Utility	Deep Well Drilling Co.	1947	341	8, 6	Tmu	129	116.0	8-20-47	T	PS	Casing: 8-in from surface to 128 ft; 6-in from surface to 290 ft; 32 ft of 6-in screen from 290 to 341 ft. Water has sulfurous odor. See driller's log.
CC-9	do	do	1950	335	12, 6, 4	Tmu	131	120 129.0	1950 5-11-66	T	PS	Casing: 12-in from surface to 90 ft; 6-in from surface to 288 ft; 4-in from 225 to 288 ft; 4-in screen from 288 to 328 ft; no record below. Water has sulfurous odor.
CC-10	Malbis Plantation	Carloss Well Supply Co	1945	498		Tmu	195	140.6	5-13-66	T	PS, Irr	Water has sulfurous odor. See driller's log.
CC-11	do	L. R. Johnston Drilling and Inspection Co.		265		Tmu	195			T	PS, Irr	Water has sulfurous odor and is reported to contain objectionable amount of iron. Supplies motel and restaurant.
CC-12	do	Carloss Well Supply Co		265		Tmu	195			T	U	
DD-1				7,953			226					Oil test well, permit No. 546, referred to as U.S. Steel No. A-2.
DD-2	Tidewater Homes Corp	Deep Well Drilling Co	1948	168	6	Tmu	214	66	1948	T	PS	Casing: 6-in from surface to 141 ft; 6-in screen from 141 to 163 ft; no record below. Reportedly pumped at 90 gpm in 1948. See driller's log.
DD-3			1948	8,130								Oil test, permit No. 164, referred to as T. C. I. R. R. Co. No. 1.
DD-4	U.S. Steel Corp	Campbell Hardware and Supply Co.	1962	103	2	Tmu	170	39	1962	J	D	Casing: 2-in from surface to 95 ft; 2-in screen from 95 to 103 ft. Water reported to contain objectionable amount of iron.
EE-1	W. B. Cooper		1950	40	4	Tci	205			P	D	Casing: 4-in from surface to 36 ft; 4-in screen from 36 to 40 ft.

EE-2	J. E. Middletown	J. A. Mosely	1950	88	2	Tmu	180	58	1950	J	D	Casing: 2-in from surface to 84 ft; 2-in screen from 84 to 88 ft.
EE-3	Z. Middleton	V. Malloy	1952	78	2	Tmu	175	50	1965	J	D	Casing: 2-in from surface to 74 ft; 2-in screen from 74 to 78 ft.
EE-4				7,851								Oil test, permit No. 543, referred to as U.S. Steel No. 1.
EE-5	Mrs. G. H. LaCoste, Jr.	Campbell Hardware and Supply Co.	1955	98	2	Tmu	160	58	1955	J	D	Casing: 2-in from surface to 83 ft; 2-in screen from 83 to 98 ft.
FF-1	Baldwin County Board of Education.		1965	63	2	Tmu	185	47	1965	J	PS	Casing: 2-in from surface to 58 ft; 2-in screen from 58 to 63 ft. Supplies school with 35 students.
FF-2	S. J. Irwin, Sr	Campbell Hardware and Supply Co.	1965	164	2	Tmu	191	77	1966	J	D, S	Casing: 2-in from surface to 160 ft; 2-in screen from 160 to 164 ft.
FF-3	B. L. Lee		1962	60	2	Tmu	177			J	D	Casing: 2-in from surface to 56 ft; 2-in screen from 56 to 60 ft. Water is reported to be muddy after heavy rain.
FF-4	C. Barnett	C. Barnett	1944	50	2	Tmu	170	45 45	1944 1966	P	D, S	Casing: 2-in from surface to 47 ft; 2-in screen from 47 to 50 ft.
FF-5	C. M. Barnett	Campbell Hardware and Supply Co.	1959	75	2	Tmu	170			J	D	Casing: 2-in from surface to 70 ft; 2-in screen from 70 to 75 ft.
FF-6	L. C. Cox	A. W. Williams Inspection Co.	1955	280	4	Tmu	160	90	5-13-57	J	D, S	Casing: 4-in from surface to 240 ft; 4-in screen from 240 to 280 ft. Water is reported to be muddy at times. See driller's log.
FF-7	T. Allen	Campbell Hardware and Supply Co.	1955	171	2	Tmu	158			J	D, S	Casing: 2-in from surface to 167 ft; 2-in screen from 167 to 171 ft.
GG-1	International Paper Co	Holland Well Co	1955	173	2	Tmu	175			J	D	Casing: 2-in from surface to 169 ft; 2-in screen from 169 to 173 ft.
GG-2	D. S. Baggett	-- Redmon	1959	87	2	Tmu	135	27	1965	J	D	Casing: 2-in from surface to 82 ft; 2-in screen from 82 to 87 ft.
HH-1	O. M. McNeil	Bradley Pump Co	1964	116	2	Tmu	138			J	D	Casing: 2-in from surface to 112 ft; 2-in screen from 112 to 116 ft.
HH-2	V. McNeil	do		189	2	Tmu	157	66	1949	J	D	Casing: 2-in from surface to 183 ft; 2-in screen from 183 to 189 ft.
II-1	G. D. Pittman	Campbell Hardware and Supply Co.	1949	64	2	Tmu	160	30	1952	J	D, S	Casing: 2-in from surface to 60 ft; 2-in screen from 60 to 64 ft.
II-2	T. Weekly	do	1961	96	2	Tmu	155	55	1961	J	D	Casing: 2-in from surface to 91 ft; 2-in screen from 91 to 96 ft. Water is reported to be muddy at times and to contain objectionable amount of iron.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
JJ-1	Mrs. J. R. Harbison	Campbell Hardware and Supply Co.	1950	113	2	Tmu	186	71 71	1950 1966	J	D, S	Casing: 2-in from surface to 109 ft; 2-in screen from 109 to 113 ft.
JJ-2	W. J. Campbell	do	1961	68	3	Tmu	165			J	S	Casing: 3-in from surface to 64 ft; 3-in screen from 64 to 68 ft. Supplies 74 cattle.
JJ-3	H. L. Lechner	do	1966	97	2	Tmu	120	55.6 57	8-28-57 1966	J	D, S	Casing: 2-in from surface to 92 ft; 2-in screen from 92 to 97 ft.
JJ-4	W. B. Cooper	do	1965	133	2	Tmu	163	63	1965	J	D, S	Casing: 2-in from surface to 130 ft; 2-in screen from 130 to 133 ft.
JJ-5	Baldwin County Board of Education.	Holland Well Co.	1966	50	2	Tci	145			J	PS	Casing: 2-in from surface to 46 ft; 2-in screen from 46 to 50 ft. Supplies school with 112 students.
KK-1	Flowerwood Nursery	do	1963	188	4	Tmu	175	44.6	5-16-66	T	Irr	Casing: 4-in from surface to 168 ft; 4-in screen from 168 to 188 ft. Reportedly pumped at 150 gpm in 1963.
KK-2	D. W. Fields	Campbell Hardware and Supply Co.	1957	85	3	Tmu	140	28.0	5-24-57	J	D	Casing: 3-in from surface to 80 ft; 3-in screen from 80 to 85 ft.
KK-3	Town of Loxley	Layne-Central Co	1959	184	12, 8	Tmu	171	45.4	5- 9-66	T	PS	Casing: 12-in from surface to 140 ft; 8-in from 100 to 144 ft; screen from 144 to 174 ft; no record below. Reported drawdown 33 ft after 8 hrs pumping 305 gpm in 1959. See driller's log.
KK-4	G. J. Petris	Holland Well Co.	1962	105	2	Tmu	155	30	1964	J	D, S	Casing: 2-in from surface to 101 ft; 2-in screen from 101 to 105 ft. Water reported to be corrosive and to contain objectionable amount of iron.
KK-5	J. C. Sykora	Campbell Hardware and Supply Co.	1947	90	2	Tmu	137	30	1964	J	D	Casing: 2-in from surface to 86 ft; 2-in screen from 86 to 90 ft.
LL-1	E. McGadney	J. B. Cooper	1966	273	2	Tmu	58	26.7	6-16-66	J	D	Casing: 2-in from surface to 265 ft; 2-in screen from 265 to 273 ft. Sample log in files of U.S. Geol. Survey.
LL-2	E. G. Manci, Jr	Holland Well Co.	1965	60	4	Tmu	148			S	Ind	Casing: 4-in from surface to 50 ft; 4-in screen from 50 to 60 ft.
LL-3	J. D. Trione	do	1952	90	4	Tmu	155	45.0 61.3	8- 5-57 5-13-66	N	U	Casing: 4-in from surface to 84 ft; 4-in screen from 84 to 90 ft.
LL-4	do	do	1963	110	2	Tmu	155	90	1963	J	D, S	Casing: 2-in from surface to 106 ft; 2-in screen from 106 to 110 ft. Water reported to

												contain objectionable amount of iron.
LL-5	Town of Daphne	A. W. Williams Inspection Co.	1953	430	12, 6	Tmu	160	132	1953	T	U	Casing: 12-in from surface to 380 ft; 6-in from 340 to 380 ft; 6-in screen from 380 to 430 ft. Reported drawdown 53 ft after pumping 300 gpm for 30 min. in 1953. See driller's log.
LL-6	....do	Layne-Central Co	1963	452	12, 6	Tmu	153	136 138.5	1963 5- 3-66	T	PS	Casing: 12-in from surface to 397 ft; 6-in from 352 to 402 ft; 6-in screen from 402 to 442 ft; no record below. Reported drawdown 31 ft after pumping 250 gpm in 1963. See driller's log.
LL-7	Miss V. Bertolla	Deep Well Drilling Co	1948	777	3	Tmu	145	89.0	8-20-48	J	D, S	Casing: 3-in from surface to 756 ft; 3-in screen from 756 to 777 ft. Sample log in files of U.S. Geol. Survey.
LL-8	J. C. Glover	J. Ponder	1956	218	2	Tmu	18	+15 +11	1956 1966	F, J	D	Casing: 2-in from surface to 210 ft; 2-in screen from 210 to 218 ft. Estimated flow 3 gpm in 1966. Water has sulfurous odor and is reported to contain objectionable amount of iron.
LL-9	E. G. Manci	....do	1963	108	4	Tmu	139	19 26	1928 1966	T	Ind	Casing: 4-in from surface to 88 ft; 4-in screen from 88 to 108 ft.
MM-1	Grand Hotel Development Corp.	Layne-Central Co	1940	331	12, 8	Tmu	5	+20 87.5	1948 10-17-66	T	U	Casing: 12-in from surface to 305 ft; 8-in from 271 to 311 ft; screen from 311 to 331 ft. Reported flow 50 gpm in 1948. Reportedly pumped at 250 gpm for 24 hrs in 1948. See driller's log.
MM-2	....do	Acme Drilling Co.	1964	338	16, 10	Tmu	5	38	1964	T	PS	Casing: 16-in from surface to 47 ft; 12-in from surface to 295 ft; 10-in from 284 to 295 ft; screen from 295 to 335 ft; no record below.
MM-3	....do	Layne-Central Co	1947	345	18, 10	Tmu	5	+10 59	1947 1957	T	PS	Casing: 18-in from surface to 277 ft; 10-in from 188 to 291 ft; screen from 291 to 341 ft; no record below. Reportedly pumped at 1,000 gpm for 24 hrs in 1947. See driller's log.
NN-1	State of Alabama	A. W. Williams Inspection Co.	1955	233	6, 4	Tmu	125	75	1957	T	U	Screened from 203 to 233 ft. Water has sulfurous odor and is reported to contain objectionable amount of iron.
NN-2	....do	Deep Well Drilling Co	1948	403	6	Tmu	129	76	1949	T	U	Casing: 6-in from surface to 320 ft; 6-in screen from 320 to 383 ft; no record below. Reportedly pumped at 120 gpm in 1949. Formerly used for irrigation. See driller's log.
NN-3	Town of Fairhope	Layne-Central Co	1964	510	20, 12	Tmu	118	106	1963	T	PS	Casing: 20-in from surface to 360 ft; 12-in from 300 to 365 ft; screened and cased between 365 and 510 ft. Reported drawdown 80 ft after 8 hrs pumping 752 gpm in 1964. Water has sulfurous odor. See driller's log.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
NN-4	Town of Fairhope	Layne-Central Co	1955	479	16, 10	Tmu	106	78.2	3-15-66	T	PS	Casing: 16-in from surface to 330 ft; 10-in from 270 to 335 ft; screened and cased from 335 to 479 ft. Reported drawdown 35 ft after pumping 614 gpm in 1955. See driller's log.
NN-5	do	do	1952	479	16, 10	Tmu	90	53	1952	T	PS	Casing: 16-in from surface to 326 ft; 10-in from 266 to 331 ft; screened and cased from 331 to 479 ft. Reported drawdown 55 ft after 8 hrs pumping 608 gpm in 1956. See driller's log.
NN-6	do	do	1944	395	16, 10	Tmu	120	82	1945	T	PS	Casing: 16-in from surface to 291 ft; 10-in from 291 to 351 ft; screened and cased from 351 to 395 ft. Reported drawdown 69 ft after 8 hrs pumping 400 gpm in 1944. See driller's log.
NN-7	do	Gray Artesian Well Co	1935	216	20, 10	Tmu	123	98	1949	T	PS	Casing: 20-in from surface to 90 ft; 10-in from surface to 116 ft; 10-in perforated pipe from 116 to 216 ft. Reported drawdown 36 ft after 24 hrs pumping 200 gpm in 1949. See driller's log.
NN-8	Greers Super Market	J. Ponder		150	4	Tmu	120	100 91.6 91.1	1957 5- 3-66 7- 8-66	N	U	Casing: 4-in from surface to 130 ft; 4-in screen from 130 to 150 ft.
NN-9	Fairhope Single Tax Corp. No. 1.			8,450								Oil test, permit No. 816, referred to as No. 1 Fairhope Single Tax Corp.
NN-10	N. S. McGowin	J. Ponder	1950	440	10	Tmu	95	59	1950	T	U	Casing: 10-in from surface to 120 ft; screened and cased from 140 to 440 ft. Reportedly pumped at 700 gpm in 1957.
NN-11	R. E. Bishop	Spillers Well and Pump Co	1956	120	4	Tmu	99	64.0	5- 4-66	S	D, S	
NN-12	A. Bishop	A. W. Williams Inspection Co.	1955	440		Tmu	95			T	U	Reportedly pumped at 1,000 gpm in 1957.
OO-1	Town of Silverhill	Acme Drilling Co	1962	197	10, 4	Tmu	145	50	1962	T	PS	Casing: 10-in from surface to 153 ft; 4-in from 112 to 157 ft; screen from 157 to 197 ft. Reported drawdown 8 ft after 8 hrs pumping 157 gpm in 1962. See driller's log.
OO-2	F. Clay and J. Wesley	Gray Artesian Well Co	1946	352	3	Tmu	77	+4.2 +0.1	9-15-49 6- 6-66	F, J	PS	Casing: 3-in from surface to 340 ft; 3-in screen from 340 to 352 ft. Reported flow 7 gpm in 1946. Water has sulfurous odor.

PP-1	Town of Robertsdale	Layne-Central Co	1958	203	18, 12	Tmu	145	37.7	5- 9-66	T	PS	Casing: 18-in from surface to 150 ft; 12-in from 110 to 153 ft; screen from 153 to 193 ft; no record below. Reportedly pumped at 503 gpm in 1953. See driller's log.
PP-2	....do.....	....do.....	1944	260	16, 10	Tmu	145	38 39.2	1949 5- 9-66	T	PS	
PP-3	S. A. McDaniel	Campbell Hardware and Supply Co.	.....	67	2	Tmu	135	24	1949	J	D, S	Casing: 2-in from surface to 64 ft; 2-in screen from 64 to 67 ft. Supplies 2 homes and dairy with 70 cows.
PP-4	O. J. Harms	....do.....	1956	60	2	Tmu	115	34.3 33	10-25-56 1966	J	D, S	Casing: 3-in from surface to 55 ft; 3-in screen from 55 to 60 ft. Supplies 2 homes and 60 cattle.
PP-5	Summerdale Waterworks	Layne-Central Co	1955	146	16, 10	Tmu	115	8.7	3-14-66	T	PS	Casing: 16-in from surface to 71 ft; screen and casing from 75 to 146 ft. Reported drawdown 20 ft after 8 hrs pumping 500 gpm in 1955. See driller's log.
QQ-1	W. C. Davis	Alms Drilling Co.....	1966	94	2	Tmu	130	.....	.....	J	D	Casing: 2-in from surface to 89 ft; 2-in screen from 89 to 94 ft.
QQ-2	....do.....	Campbell Hardware and Supply Co.	1957	120	4	Tmu	130	48.0 46.0	9-30-57 5-19-66	N	U	Casing: 4-in from surface to 115 ft; 4-in screen from 115 to 120 ft. See driller's log.
QQ-3	Dr. A. Garrett	....do.....	1965	79	2	Tci	140	55	1966	.....	PS, Ind	Casing: 2-in from surface to 74 ft; 2-in screen 74 to 79 ft. Supplies truck stop and laundry.
QQ-4	M. H. McKenzie.....	....do.....	1965	39	2	Tci	92	16	1966	J	D	Casing: 2-in from surface to 35 ft; 2-in screen from 35 to 39 ft.
QQ-5	Miss R. L. Pardue	Bradley Pump Co	1949	64	2	Tci	111	.....	.....	J	D	Casing: 2-in from surface to 60 ft; 2-in screen from 60 to 64 ft. Water reported to contain objectionable amount of iron.
RR-1	L. J. Early.....	--Ergman	.....	117	3	Tmu	60	.....	.....	P	D	Casing: 3-in from surface to 112 ft; 3-in screen from 112 to 117 ft.
RR-2	....do.....	....do.....	1952	105	2	Tmu	70	.....	.....	J	D	Casing: 2-in from surface to 100 ft; 2-in screen from 100 to 105 ft. Water reported to contain objectionable amount of iron.
RR-3	D. W. Sirmon	Campbell Hardware and Supply Co.	1964	29	2	Tmu	93	21	1964	J	D	Casing: 2-in from surface to 25 ft; 2-in screen from 25 to 29 ft.
RR-4	Pure Oil Co	.....	.....	40±	2	Tmu	93	.....	.....	J	D, PS	Supplies truck stop.
RR-5	Q. Givans	Windem Pump Co.....	1962	91	2	Tmu	93	75	1966	J	U	Casing: 2-in from surface to 86 ft; 2-in screen from 86 to 91 ft.
RR-6	M. A. Brown	Campbell Hardware and Supply Co.	1954	44	2	Tmu	25	32	1965	J	D	Casing: 2-in from surface to 40 ft; 2-in screen from 40 to 44 ft. Water reported to contain objectionable amount of iron.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
RR-7	W. C. Boyett	Wilson Pump Co	1959	118	2	Tmu	18	4.8	5-18-66	J	D	Casing: 2-in from surface to 114 ft; 2-in screen from 114 to 118 ft.
RR-8	J. A. Spires	do	1961	78	2	Tmu	25			J	D	Casing: 2-in from surface to 74 ft; 2-in screen from 74 to 78 ft. Reported to contain objectionable amount of iron.
SS-1	T. F. Gilley	do	1965	60	2	Tmu	92	24	1949	J	D	Casing: 3-in from surface to 57 ft; 2-in screen from 57 to 60 ft.
SS-2	S. W. Carter	do	1953	59	2	Tmu	92	26	1953	J	D	Casing: 2-in from surface to 55 ft; 2-in screen from 55 to 59 ft.
SS-3				7,810								Oil test, permit No. 935, referred to as T. J. Restor No. 1.
SS-4	J. M. Kiefer	Bradley Pump Co	1960	181	2	Tmu	92	30 49	1949 1966	D	D, S	Casing: 2-in from surface to 177 ft; 2-in screen from 177 to 181 ft. Reported to contain objectionable amount of iron. See driller's log.
SS-5	A. G. Holz	A. G. Holz	1966	60	2	Tmu	80	14	1966	J	D	Casing: 2-in from surface to 55 ft; 2-in screen from 55 to 60 ft.
SS-6	J. B. Allen, Sr	J. Zaller	1965	112	2	Tmu	91			J	D	Casing: 2-in from surface to 108 ft; 2-in screen from 108 to 112 ft.
SS-7	J. Trinkwell	Wilson Pump Co	1956	72	3	Tmu	87	30 30	1949 1966	J	D	Casing: 3-in from surface to 66 ft; 3-in screen from 66 to 72 ft.
SS-8	C. S. Faircloth	Alms Pump Service	1966	98	2	Tmu	75	40	1949	J	D	Casing: 2-in from surface to 95 ft; 2-in screen from 95 to 98 ft. Reported to contain objectionable amount of iron.
SS-9	Baldwin County Board of Education.		1962	80	2	Tmu	75	55	1962	J	PS	Casing: 2-in from surface to 76 ft; 2-in screen from 76 to 80 ft. Supplies school with 30 students.
SS-10	A. Brewton	Alms Pump Service	1966	110	2	Tmu	8			J	D	Casing: 2-in from surface to 106 ft; 2-in screen from 106 to 110 ft.
SS-11	E. W. Marshall	do	1965	103	2	Tmu	8	4	1965	J	D	Casing: 2-in from surface to 99 ft; 2-in screen from 99 to 103 ft. Water has sulfurous odor.
SS-12	C. P. Klein	Wilson Pump Co	1955	78	2	Tmu	22			J	D, PS	Casing: 2-in from surface to 74 ft; 2-in screen from 74 to 78 ft. Supplies post office.

SS-13	J. A. Krivetz	J. Zollikoffer	1945	25	2	Tmu	10	4 13	1949 1960	J	D, PS	Casing: 2-in from surface to 22 ft; 2-in screen from 22 to 25 ft. Supplies store.
SS-14	F. A. Haggendofer	J. Zaller	1961	38	2	Tmu	68	.....	.....	J	D, S	Casing: 2-in from surface to 32 ft; 2-in screen from 32 to 38 ft.
TT-1	A. D. Comstock	Alms Pump Service	1965	44	2	Tmu	85	.....	.....	J	D, S	Casing: 2-in from surface to 40 ft; 2-in screen from 40 to 44 ft. Supplies home and 30 cattle.
TT-2	C. W. Gardner	G. Mueller	.....	80	2	Tmu	112	.....	.....	J	D, S	Supplies home and 30 cattle.
TT-3	C. P. Gardner	Alms Pump Service	1964	70	2	Tmu	102	.....	.....	J	D, S	Casing: 2-in from surface to 66 ft; 2-in screen from 66 to 70 ft. Supplies home and 10 cattle.
TT-4	.....	.....	.....	8,000	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 815, referred to as No. 1 Paul Kyzer.
TT-5	Town of Elberta	Layne-Central Co	1954	102	8, 6	Tmu	70	20.2	3-17-66	N	U	Casing: 8-in from surface to 70 ft; 6-in from 68 to 70 ft; screen from 70 to 100 ft; no record below. See driller's log.
TT-6	....do	Spillers Well and Pump Supply Co.	1964	102	8, 6	Tmu	70	26	1964	T	PS	Casing: 8-in from surface to 72 ft; 6-in from 69 to 72 ft; screen from 72 to 102 ft. Reported drawdown 30 ft after 2 hrs pumping 335 gpm in 1964. See driller's log.
TT-7	....do	.....	.....	80	4	Tmu	68	.....	.....	T	PS	
TT-8	M. Heber	J. Zaller	1946	60	2	Tmu	86	14	1949	J	D	Casing: 2-in from surface to 57 ft; 2-in screen from 57 to 60 ft. See driller's log.
UU-1	.....	.....	.....	8,514	.....	.....	65	.....	.....	.....	.....	Oil test, permit No. 832, referred to as F. W. Sherril, et al, No. 1.
UU-2	Brown and McCord Fertilizer Co.	Alms Pump Service	1966	92	4	Tmu	82	17.6	7-12-66	S	Ind	Casing: 4-in from surface to 86 ft; 4-in screen from 86 to 92 ft.
UU-3	Baldwin Oil Co	Gray Artesian Well Co	1950	99	6	Tmu	82	22	1950	T	Ind	Casing: 6-in from surface to 84 ft; 6-in screen from 84 to 99 ft. Reportedly pumped at 100 gpm in 1966.
UU-4	J. M. Hightower	Layne-Central Co	1943	133.5	12	Tmu	54	30 14.5	1949 6-14-66	N	U	Casing: 12-in from surface to 55 ft; screen and casing from 55 to 133.5 ft. Reported drawdown 30 ft after 12 hrs pumping 300 gpm in 1943. See driller's log.
UU-5	....do	....do	1943	134.2	12	Tmu	58	29 19.3	1949 6-14-66	N	U	Casing: 12-in from surface to 75 ft; screen from 75 to 125 ft; no record below. See driller's log.
UU-6	Riviera Utilities	....do	1962	157	24, 12	Tmu	73	18	7-16-49	T	PS	Casing: 24-in from surface to 103 ft; 16-in from surface to 106 ft; screen from 106 to 131 ft; no record below. Reported drawdown 48 ft after 8 hrs pumping 578 gpm in 1962. See driller's log.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
UU-7	Riviera Utilities	Gray Artesian Well Co	1939	134	10	Tmu	76	26	1945	N	U	Casing: 10-in from surface to 134 ft; slotted from 94 to 134 ft. Reported drawdown 2 ft after 5 hrs pumping 120 gpm in 1939. Observation well. See driller's log. Gamma ray log in files of U.S. Geol. Survey.
UU-8	do	Deep Well Drilling Co.	1949	137	12, 10	Tmu	76	19.8 20	7-23-49 1966	T	PS	Casing: 12-in from surface to 81 ft; 10-in from 70 to 93 ft; 10-in screen from 93 to 133 ft; no record below. Reported drawdown 37 ft after 24 hrs pumping 712 gpm in 1946. See driller's log of test well to 642 ft.
UU-9	do	Layne-Central Co	1954	148	16, 10	Tmu	73	20 24	1954 1966	T	PS	Casing: 16-in from surface to 94 ft; 10-in from 64 to 98 ft; screen from 98 to 138 ft; no record below. Reported drawdown 32 ft after 8 hrs pumping 503 gpm in 1954. See driller's log.
UU-10	U.S. Navy	Spillers Well and Pump Supply Co.	1962	100	4	Tmu	57	.....	.....	J	PS	Water reported to contain objectionable amount of iron.
UU-11	do	do	1962	71	4	Tmu	60	.....	.....	J	PS	Do.
VV-1	E. J. Bradley	Craft Co., Inc.	1963	40	1¼	Tmu	8	.....	.....	J	D	Casing: 1¼-in from surface to 36 ft; 1¼-in screen from 36 to 40 ft.
VV-2	R. L. Taylor	Alms Pump Service	1966	44	2	Tmu	41	.....	.....	J	D	Casing: 2-in from surface to 40 ft; 2-in screen from 40 to 44 ft.
VV-3	do	.....	.....	115	2	Tmu	40	30.7	7- 8-66	N	U	Casing: 2-in from surface to 111 ft; 2-in screen from 111 to 115 ft.
VV-4	C. L. Rhodes	Deep Well Drilling Co.	1945	169	24, 10	Tmu	85	40 34.7	1949 6-24-66	N	U	Casing: 24-in from surface to 40 ft; 10-in from surface to 169 ft; slotted from 40 to 169 ft. Reportedly pumped at 700 gpm in 1945. Gamma ray log in files of U.S. Geol. Survey. See driller's log.
VV-5	do	J. Zaller	1963	71	4	Tmu	82	.....	.....	T	D, S	Casing: 4-in from surface to 61 ft; 4-in screen from 61 to 71 ft. Supplies dairy with 200 cows.
VV-6	Gulf Telephone Co	do	1963	110	3	Tmu	13	.....	.....	C	F, PS	Casing: 3-in from surface to 104 ft; 3-in screen from 104 to 110 ft.
VV-7	T. G. Moore	T. G. Moore	1956	32	1½	Tmu	13	.....	.....	J	D	Casing: 1½-in from surface to 29 ft; 1½-in screen from 29 to 32 ft.

VV-8	Baldwin County Board of Education.	.....	1961	81	2	Tmu	25	38	1961	J	PS	Casing: 2-in from surface to 78 ft; 2-in screen from 78 to 81 ft. Supplies school with 72 students.
VV-9	B. Dykema	B. Dykema	1962	23	1¼	Tmu	5	.....	.....	J	D, PS	Casing: 1¼-in from surface to 20 ft; 1¼-in screen from 20 to 23 ft. Supplies motel.
WW-1	Fairhope Hatchery	J. Ponder	1964	70	2	Tmu	80	.....	.....	J	Ind	Casing: 2-in from surface to 66 ft; 2-in screen from 66 to 70 ft. Supplies 20,000 to 30,000 chickens.
WW-2	....do.....	....do.....	.....	70	2	Tmu	80	.....	.....	P	Ind	Casing: 2-in from surface to 66 ft; 2-in screen from 66 to 70 ft. Supplies 12,000 chickens.
WW-3	T. A. Bishop	Spillers Well and Pump Co..	1956	120	4	Tmu	89	45	1966	T	D, Ind	Casing: 4-in from surface to 100 ft; 4-in screen from 100 to 120 ft. Reportedly pumped at 80 gpm in 1966.
WW-4	L. H. Harris.....	Holland Well Co	.....	145	4	Tmu	55	35	1957	T	D, S	Supplies 100 cattle.
WW-5	....do.....	....do.....	.....	300	2	Tmu	10	+10 + 3.5	1957 6-23-66	F, N	U	Casing: 2-in from surface to 280 ft; 2-in screen from 280 to 300 ft. Estimated flow 10 gpm in 1957 and 3 gpm in 1966.
WW-6	F. L. McKinzie	F. L. McKinzie	1956	64	2	Tmu	3	3	1966	J	D	Casing: 2-in from surface to 60 ft; 2-in screen from 60 to 64 ft.
WW-7	L. H. Harris.....	Holland Well Co.....	.....	85	4	Tmu	52	37.3	6-24-66	J	D	
XX-1	W. L. Gardner.....	J. Zaller.....	1956	84	2	Tmu	8	.....	.....	C	D	Casing: 2-in from surface to 79 ft; 2-in screen from 79 to 84 ft.
XX-2	A. W. Williams.....	A. W. Williams Inspection Co.	1954	110	4	Tmu	8	4 3	1954 1966	T	D	Casing: 4-in from surface to 90 ft; 4-in screen from 90 to 110 ft. Reportedly pumped at 25 gpm in 1954.
XX-3	C. Eddins.....	C. J. Redmond	1966	49	2	Tmu	4	.....	.....	J	D, PS	Casing: 2-in from surface to 44 ft; 2-in screen from 44 to 49 ft. Supplies fish camp.
XX-4	H. B. Bentley.....	P. S. Farnell	.....	155	2	Tmu	5	.....	.....	J	D	Casing: 2-in from surface to 137 ft; 3-in screen from 137 to 155 ft. Water reported to contain objectionable amount of iron.
XX-5	J. H. Boutwell.....	J. H. Boutwell.....	1964	86	1¼	Tmu	7	7	1964	J	D	Casing: 1¼-in from surface to 83 ft; 1¼-in screen from 83 to 86 ft.
XX-6	A. H. Holman.....	Alm Pump Service.....	1963	117	2	Tmu	7	5	1963	J	D	Casing: 2-in from surface to 112 ft; 2-in screen from 112 to 117 ft.
YY-1	P. Kaiser, Jr	J. Zaller.....	1958	56	3	Tmu	65	26	1958	J	D	Casing: 3-in from surface to 50 ft; 3-in screen from 50 to 56 ft.
YY-2	F. A. Lipscomb.....	Alms Pump Service.....	1963	50	2	Tmu	40	.....	.....	J	D	Casing: 2-in from surface to 46 ft; 2-in screen from 46 to 50 ft.
YY-3	....do.....	J. Zaller.....	1963	55	3	Tmu	40	25 22.4	1953 6-27-66	N	U	Casing: 3-in from surface to 45 ft; 3-in screen from 45 to 55 ft.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
YY-4	V. J. Carver	J. Zaller	1952	30	2	Tci	32	.....	.....	C	Ind	Casing: 2-in from surface to 10 ft; 2-in screen from 10 to 30 ft. Supplies potato washer.
YY-5	....do	.....	1940	250	12	Tmu	38	19.9	7-18-66	N	U	
YY-6	Baldwin County Board of Education.	Etheridge Plumbing Co.	1962	190	4	Tmu	14	.....	.....	S	PS	Casing: 4-in from surface to 180 ft; 4-in screen from 180 to 190 ft. Supplies school with 96 students. Water reported to contain objectionable amount of iron. See driller's log.
YY-7	S. S. Cieutat	Reynolds Bros. Lumber and Supply Co.	1961	38	1½	Tci	5	.....	.....	J	D	Not used for drinking. Water reported to contain objectionable amount of iron.
YY-8	J. W. Miller	Alms Pump Service	1966	50	1½	Tci	5	.....	.....	J	D	Casing: 1½-in from surface to 47 ft; 1½-in screen from 47 to 50 ft.
YY-9	Bon Secour Fisheries	-- Duggar	1961	220	3	Tmu	3	+5.9	7-19-66	C	Ind	Measured flow 2 gpm on 7-19-66. Supplies fishery processing plant.
YY-10	G. P. Robinson	J. Zaller	1962	184	2	Tmu	7	+1.8	6-27-66	F, J	PS	Casing: 2-in from surface to 176 ft; 2-in screen from 176 to 184 ft. Estimated flow 2 gpm on 6-27-66. Water has sulfurous odor. Supplies motel.
ZZ-1	L. V. Hance	Alms Pump Service	1966	26	2	Tmu	3	.....	.....	J	D	Casing: 2-in from surface to 22 ft; 2-in screen from 22 to 26 ft. Water has sulfurous odor.
ZZ-2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 651, referred to as Gladys Ehle Walsh and Nicholas G. Ehle No. 1.
ZZ-3	C. F. Campbell	C. F. Campbell	1961	65	2	Tmu	10	.....	.....	J	D	Casing: 2-in from surface to 61 ft; 2-in screen from 61 to 65 ft.
ZZ-4	W. R. Allen	W. R. Allen	1962	60	1¼	Tmu	6	12	1962	P	D	Casing: 1¼-in from surface to 57 ft; 1¼-in screen from 57 to 60 ft.
ZZ-5	F. J. Schoel	J. Zaller	1958	34	1¼	Tmu	8	.....	.....	J	D	Casing: 1¼-in from surface to 31 ft; 1¼-in screen from 31 to 34 ft.
ZZ-6	R. F. Good	....do	1958	79	1½	Tmu	9	.....	.....	C	D	Casing: 1½-in from surface to 75 ft; 1½-in screen from 75 to 79 ft. Water reported to contain objectionable amount of iron.
AAA-1	A. Leiterman	Campbell Hardware and Supply Co.	1965	69	4	Tmu	61	34	1965	J	D, Ind	Casing: 4-in from surface to 64 ft; 4-in screen from 64 to

												69 ft. Supplies home and potato washer. Reportedly pumped at 70 gpm in 1966.
AAA-2	R. E. Stacey	Deep Well Drilling Co	1946	152	4	Tmu	5	+13 + 6.8	8-23-47 6-23-66	F	U	Casing: 4-in from surface to 142 ft; 4-in screen from 142 to 152 ft. Reported flow 50 gpm in 1949 and measured flow 2.6 gpm on 6-23-66. Water has sulfurous odor. See driller's log.
AAA-3	E. A. Cooper	J. Ponder	1958	196	2	Tmu	14	+15.0	6-23-66	F, J	D	Casing: 2-in from surface to 190 ft; 2-in screen from 190 to 196 ft. Measured flow 0.5 gpm on 6-23-66. Water has sulfurous odor.
AAA-4	P. J. Mahoney	Alms Pump Service	.....	64	2	Tmu	4	.....	.....	J	PS	Casing: 2-in from surface to 58 ft; 2-in screen from 58 to 64 ft. Water reported to contain objectionable amount of iron.
AAA-5	W. Schoetzow	W. Schoetzow	1965	35	2	Tmu	18	13	1965	J	D, S	Casing: 2-in from surface to 32 ft; 2-in screen from 32 to 35 ft.
AAA-6	T. E. Bryant	A. Holz	1965	93	1½	Tmu	3	+2.4	7-13-66	F, J	D	Casing: 1½-in from surface to 89 ft; 1½-in screen from 89 to 93 ft. Measured flow 2 gpm on 7-13-66. Water has sulfurous odor.
AAA-7	Mrs. J. Climie	Alms Pump Service	1966	60	2	Tmu	30	.....	.....	J	D	Casing: 2-in from surface to 57 ft; 2-in screen from 57 to 60 ft.
AAA-8	S. A. Graham	S. A. Graham	1963	22	5	Tmu	5	4	1963	J	D	Casing: 2-in from surface to 18 ft; 2-in screen from 18 to 22 ft. Supplies cottages.
AAA-9	O. B. Cowham	O. B. Cowham	1964	55	2	Tmu	6	.....	.....	J	D	
AAA-10	Mrs. J. Climie	.....	.....	34	1¼	Tmu	5	.....	.....	J	D	
AAA-11	H. D. Chastain	J. Zaller	1961	62	2	Tmu	12	12	1961	J	D	Casing: 2-in from surface to 57 ft; 2-in screen from 57 to 62 ft.
AAA-12	E. L. Johnson	.....	1962	45	1½	Tmu(?)	.....	5	1962	J	D	Not used for drinking. Water reported salty.
AAA-13	T. H. Jones	Alms Pump Service	1965	75	2	Tmu	15	.....	.....	J	D, Ind	Casing: 2-in from surface to 71 ft; 2-in screen from 71 to 75 ft. Supplies small laundry.
AAA-14	T. H. Clark	....do	1966	41	2	Tmu	20	19 23	1957 1966	J	D	Casing: 2-in from surface to 37 ft; 2-in screen from 37 to 41 ft. Supplies home and 5 cabins.
AAA-15	W. F. Romage	J. Zaller	1961	28	1¼	Tmu	8	.....	.....	P	D	Casing: 1¼-in from surface to 24 ft; 1¼-in screen from 24 to 28 ft.
AAA-16	E. S. Jackson	--Miller	.....	28	2	Tmu(?)	3	.....	.....	J	D, Ind	Casing: 2-in from surface to 24 ft; 2-in screen from 24 to 28 ft. Supplies home and marina.
BBB-1	A. D. Helms	Alms Pump Service	1966	48	2	Tmu	25	17	1966	J	D	Casing: 2-in from surface to 44 ft; 2-in screen from 44 to 48 ft. Water reported to contain objectionable amount of iron.

Table 2.—*Records of wells in Baldwin County*—Continued

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BBB-2	K. W. Mosteller	Alms Pump Service	1966	59	2	Tmu	50	.....	.....	J	D	Casing: 2-in from surface to 55 ft; 2-in screen from 55 to 59 ft.
BBB-3	C. J. Hoyt	J. Zaller	1964	43	2	Tmu	50	.....	.....	J	D	Casing: 2-in from surface to 40 ft; 2-in screen from 40 to 43 ft.
BBB-4	N. Mickelsen	A. Holz	1964	53	2	Tmu	48	26	1964	J	D, S	Casing: 2-in from surface to 50 ft; 2-in screen from 50 to 53 ft.
BBB-5	J. E. Bowman	Alms Pump Service	1965	35	2	Tmu	35	.....	.....	J	D	Casing: 2-in from surface to 31 ft; 2-in screen from 31 to 35 ft.
BBB-6	Mrs. E. M. Caldwell	A. Holz	1963	35	2	Tmu	17	.....	.....	J	D	Casing: 2-in from surface to 32 ft; 2-in screen from 32 to 35 ft.
BBB-7	H. Gamble	J. Zaller	1964	72	2	Tmu	20	.....	.....	J	D	Casing: 2-in from surface to 68 ft; 2-in screen from 68 to 72 ft.
BBB-8	C. W. Bear	Alms Pump Service	1966	197	4	Tmu	6	+3.8	6-16-66	F, S	D	Casing: 4-in from surface to 188 ft; 4-in screen from 188 to 197 ft. Measured flow 3.5 gpm on 6-16-66. Water has sulfurous odor.
BBB-9	L. M. Suarez	....do	1958	20	2	Tmu	8	.....	.....	J	D	Casing: 2-in from surface to 16 ft; 2-in screen from 16 to 20 ft.
BBB-10	W. J. Faris	-- Miller	.....	30	2	Tmu	5	.....	.....	J	D	Casing: 2-in from surface to 26 ft; 2-in screen from 26 to 30 ft.
BBB-11	Mrs. R. Q. Thornton	Alms Pump Service	1964	45	2	Tmu	4	.....	.....	J	D	Casing: 2-in from surface to 41 ft; 2-in screen from 41 to 45 ft. Water reported to contain objectionable amount of iron.
BBB-12	G. H. Kinnon	J. Zaller	1954	35	2	Tmu	15	.....	.....	J	D	Casing: 2-in from surface to 31 ft; 2-in screen from 31 to 35 ft.
BBB-13	H. T. Baskin	H. T. Baskin	1956	25	1¼	Tmu	8	.....	.....	J	D	Casing: 1¼-in from surface to 21 ft; 1¼-in screen from 21 to 25 ft.
BBB-14	O. B. Lee	Alms Pump Service	1965	42	2	Tmu	12	26	1965	J	D, Irr	Casing: 2-in from surface to 38 ft; 2-in screen from 38 to 42 ft.
BBB-15	G. W. Hayes	J. Zaller	1944	47	2	Tmu	10	7	1946	J	PS	Casing: 2-in from surface to 44 ft; 2-in screen from 44 to 47 ft. Supplies summer camp. See driller's log.
BBB-16	F. D. Hagendorfer, Sr	Bradley Pump Co	1961	185	2	Tmu	3	+6.1	6-17-66	F, J	D	Measured flow 6 gpm on 6-17-66. Water has sulfurous odor.

CCC-1	Gulf Telephone Co	J. Zaller	.....	40	3	Tmu	15	.....	.....	C	F	Casing: 4-in from surface to 34 ft; 4-in screen from 34 to 40 ft. Water has sulfurous odor.
CCC-2	State of Alabama	Alms Pump Service	1963	30	2	Tci	3	.....	.....	J	D	Casing: 2-in from surface to 27 ft; 2-in screen from 27 to 30 ft.
CCC-3	N. A. Lauder	- - Windbigler	1946	61	2	Tci	17	6	1946	C	D	Casing: 2-in from surface to 57 ft; 2-in screen from 57 to 61 ft. Not used for drinking.
CCC-4	R. F. Hall	- - Rogers	1957	20	1½	Qal	4	.....	.....	J	D	Casing: 1½-in from surface to 16 ft; 1½-in screen from 16 to 20 ft. Not used for drinking. Water has sulfurous odor.
CCC-5	.....	.....	.....	8,008	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 334 and 334A, Dr. Amos Garrett No. 1.
CCC-6	R. F. Hall	- - Miller	1956	22	1½	Qal	12	.....	.....	P	D	Casing: 1½-in from surface to 19.5 ft; 1½-in screen from 19.5 to 22 ft.
CCC-7	Mrs. L. W. Allen	Alms Pump Service	1964	39	1½	Tci	9	.....	.....	J	D, PS	Casing: 1½-in from surface to 35 ft; 1½-in screen from 35 to 39 ft. Supplies motel.
CCC-8	H. E. Crawford	- - Reynolds	1964	14	2	Qal	4	.....	.....	J	Ind	Casing: 2-in from surface to 10 ft; 2-in screen from 10 to 14 ft. Water has sulfurous odor and periodically is reported to be salty.
CCC-9	W. G. and P. Gilcrist	Miller Braden Drilling Co	1963	750	2	Tmu	3	+6	1966	F, J	D	Casing: 2-in from surface to 730 ft; 2-in screen from 730 to 750 ft. Yields salty water.
CCC-10	State of Alabama	Alms Pump Service	1964	13	2	Qal	12	.....	.....	J	PS	Casing: 2-in from surface to 8 ft; 2-in screen from 8 to 13 ft. Yields salty water.
CCC-11	F. R. Gossman	Redmon Pump Co	1965	24	1½	Qal	5	.....	.....	J	D	Casing: 1½-in from surface to 20 ft; 1½-in screen from 20 to 24 ft.
CCC-12	State of Alabama	.....	1955	15	2	Qal	10	10	1957	P	PS	Casing: 2-in from surface to 12 ft; 2-in screen from 12 to 15 ft. Yields salty water.
DDD-1	Gulf Shores Country Club, Inc.	Alms Pump Service	1965	21	2	Tci	6	.....	.....	J	PS	Casing: 2-in from surface to 17 ft; 2-in screen from 17 to 21 ft. Water reported to contain objectionable amount of iron.
DDD-2	M. Lawrenz, Jr.	J. Zaller	1955	120	4	Tmu	10	.....	.....	T	Ind	Casing: 4-in from surface to 110 ft; 4-in screen from 110 to 120 ft. Used for manufacture of ice, seafood processing plant.
DDD-3	Summerdale Waterworks	Layne-Central Co	1955	94	10	Tmu	14	12.7	3-14-66	T	PS	Casing: 16-in from surface to 68 ft; 10-in from surface to 72 ft; screen from 72 to 93 ft; no record below. Reported drawdown 15 ft after 8 hrs pumping 150 gpm in 1955. See driller's log.

Table 2.--*Records of wells in Baldwin County*--Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
DDD-4	Callaway Seafood Co	J. Zaller	1965	37	2	Tci	9	.....	.....	J	Ind	Casing: 2-in from surface to 33 ft; 1½-in screen from 33 to 37 ft. Supplies ice plant.
DDD-5	Mrs. J. C. Vernon	do	1960	37	1½	Tci	10	.....	.....	J	D, Ind	Casing: 1½-in from surface to 33 ft; 2-in screen from 33 to 37 ft. Supplies laundry.
DDD-6	Dr. J. G. Atwood, Jr	J. W. Dunham	1958	37	1¼	Tci	10	.....	.....	J	D, PS	Casing: 1¼-in from surface to 33 ft; 1¼-in screen from 33 to 37 ft. Supplies motel.
DDD-7	C. M. Rice	C. M. Rice	1963	42	1¼	Tci	7	8	1963	J	D	Casing: 1¼-in from surface to 40 ft; 1¼-in screen from 40 to 42 ft. Water reported to contain objectionable amount of iron. Supplies apartments.
DDD-8	H. E. Bryant	J. Zaller	1965	41	1¼	Tci	7	.....	.....	J	D	Casing: 1¼-in from surface to 37 ft; 1¼-in screen from 37 to 41 ft.
DDD-9	State of Alabama	State of Alabama	1965	15	2	Qal	3	.....	.....	P	PS	Casing: 2-in from surface to 12 ft; 2-in screen from 12 to 15 ft.
DDD-10	do	.....	.....	84	3	Tci	3	3.2	7- 1-66	N	U	Reportedly yields salty water.
DDD-11	do	.....	.....	33	2	Tci	7	.....	.....	J	PS	Casing: 2-in from surface to 29 ft; 2-in screen from 29 to 33 ft.
DDD-12	Gulf Shores Golf Club, Inc.	Alms Pump Service	1965	61	4	Tci	7	12	1965	C	Irr	Casing: 4-in from surface to 51 ft; 4-in screen from 51 to 61 ft.
DDD-13	do	do	1965	90	4	Tmu	8	30	1965	C	Irr	Casing: 4-in from surface to 80 ft; 4-in screen from 80 to 90 ft.
DDD-14	L. J. Taylor	- - Manningly	1954	16	1¼	Qal	9	.....	.....	J	D	Casing: 1¼-in from surface to 12 ft; 1¼-in screen from 12 to 16 ft. Water has sulfurous odor.
DDD-15	L. Maisel	J. Zaller	1951	108	1½	Tmu	6	.....	.....	J	PS	Casing: 1½-in from surface to 104 ft; 1½-in screen from 104 to 108 ft. Supplies swimming pool.
DDD-16	R. E. Poore	Deep Well Drilling Co	1946	369	8, 6	Tmu	5	+2.5	12-31-46	F	U	Casing: 8-in from surface to 274 ft; 6-in from surface to 349 ft; 6-in screen from 349 to 369 ft. Measured flow 30 gpm on 12-31-46. Gamma ray log in files of U.S. Geol. Survey. See driller's log.
DDD-17	State of Alabama	J. Zaller	1960	44	2	Tci	8	10	1960	P	PS	Casing: 2-in from surface to 41 ft; 2-in screen from 41 to 44 ft. Supplies camping area. Water has sulfurous odor.

DDD-18	....do.....	Alms Pump Service	1966	15	1¼	Qal	9	.....	.....	J	PS	Casing: 1¼-in from surface to 12 ft; 1¼-in screen from 12 to 15 ft. Water has sulfurous odor and salty taste. Supplies bath house.
DDD-19	....do.....	State of Alabama.....	1965	15	1¼	Qal	7	.....	.....	J	D	Casing: 1¼-in from surface to 12 ft; 1¼-in screen from 12 to 15 ft. Reported to yield salty water.
EEE-1	L. A. Kuffskie.....	J. Zaller.....	1952	108	2	Tmu	3	6	1952	J	PS	Casing: 2-in from surface to 103 ft; 2-in screen from 103 to 108 ft. Water has sulfurous odor and reportedly contains objectionable amount of iron.
EEE-2	C. and L. Likens	Deep Well Drilling Co	1945	173	6, 3	Tmu	5	+7.6 +6.3	3-25-46 6-27-66	F, J	PS	Casing: 6-in from surface to 70 ft; 3-in from surface to 165 ft; 3-in screen from 165 to 173 ft. Reported flow 11 gpm in 1946 and estimated flow 10 gpm in 1966. Water has sulfurous odor. Supplies fishing lodge and cottages. See driller's log.
EEE-3	F. D. Plash	Alms Pump Service.....	1965	114	2	Tmu	5	.....	.....	J	D	Casing: 2-in from surface to 110 ft; 2-in screen from 110 to 114 ft. Water reported to contain objectionable amount of iron.
EEE-4	C. L. Calloway	A. Holz.....	1966	26	2	Tci	12	.....	.....	J	D	Casing: 2-in from surface to 22 ft; 2-in screen from 22 to 26 ft. Water reported to contain objectionable amount of iron.
EEE-5	....do.....	H. M. Miller	1963	25	2	Tci	5	.....	.....	J	D	Casing: 2-in from surface to 22 ft; 2-in screen from 22 to 25 ft.
EEE-6	A. S. Miller	O. B. Ewing.....	1963	25	1¼	Tci	5	.....	.....	J	D	Casing: 1¼-in from surface to 20 ft; 1¼-in screen from 20 to 25 ft.
EEE-7	B. Terry	P. A. Kuffskie.....	1937	17	1¼	Tci	10	.....	.....	J	D	Casing: 1¼-in from surface to 14 ft; 1¼-in screen from 14 to 17 ft. Water reported to contain objectionable amount of iron.
EEE-8	T. E. Muldoon	Windam Pump Co.....	1960	32	2	Tci	10	.....	.....	J	D	Casing: 2-in from surface to 29 ft; 2-in screen from 29 to 32 ft. Water reported to contain objectionable amount of iron.
EEE-9	Mrs. G. C. Meyers.....	A. Holz.....	1966	87	2	Tmu	8	5	1966	J	D	Casing: 2-in from surface to 83 ft; 2-in screen from 83 to 87 ft.
EEE-10	W. E. Gourley.....	Reynolds Lumber Co	1957	19	1½	Qal	9	.....	.....	J	D	Casing: 1½-in from surface to 16 ft; 1½-in screen from 16 to 19 ft.
EEE-11	J. P. Carter	Alms Pump Service	1964	18	2	Qal	5	.....	.....	J	D	Casing: 2-in from surface to 11 ft; 2-in screen from 11 to 18 ft. Reportedly yields salty water.

Table 2.—*Records of wells in Baldwin County*—Continued

Number	Owner	Driller	Year completed	Depth of well (feet)	Diameter of well (inches)	Water-bearing unit	Altitude of land surface (feet)	Water level: Above (+) or below land surface (feet)	Water level: Date of measurement	Method of lift	Use of water	Remarks
FFF-1	G. E. Brannon	G. E. Brannon	1961	32	1¼	Tci	10	19	1961	J	D	Casing: 1¼-in from surface to 28 ft; 1¼-in screen from 28 to 32 ft. Water has sulfurous odor.
FFF-2	A. S. Blalack	Alms Pump Service	1963	41	1¼	Tci	10	.....	.....	P	D	Casing: 1¼-in from surface to 38 ft; 1¼-in screen from 38 to 41 ft.
FFF-3	A. A. Mauldin	Holland Well Co	1957	105	2	Tmu	4	6	1957	J	D	Casing: 2-in from surface to 100 ft; 2-in screen from 100 to 105 ft.
FFF-4	D. W. Ewing	do	1961	121	2	Tmu	23	.....	.....	J	D	Casing: 2-in from surface to 117 ft; 2-in screen from 117 to 121 ft.
FFF-5	R. L. Smith	J. Zaller	1957	17	1¼	Qal	10	15	1954	P	D	Casing: 1¼-in from surface to 14.5 ft; 1¼-in screen from 14.5 to 17 ft.
FFF-6	E. L. Little	Alms Pump Service	1962	31	2	Tci	10	.....	.....	J	D	Casing: 2-in from surface to 28 ft; 2-in screen from 28 to 31 ft.
GGG-1	J. K. Ladnir	Captain Marks	1951	13	1½	Qal	5	.....	.....	P	D	Casing: 1½-in from surface to 10 ft; 1½-in screen from 10 to 13 ft. Water has a sulfurous odor and is not used for drinking.
GGG-2	Miss M. J. Lewis	D. Steele	1966	13.5	1¼	Qal	7	.....	.....	J	D	Casing: 1¼-in from surface to 10.5 ft; 1¼-in screen from 10.5 to 13.5 ft.
GGG-3	Mrs. E. R. Wilbanks	.....	1958	18	1¼	Qal	5	.....	.....	J	D	Casing: 1¼-in from surface to 15 ft; 1¼-in screen from 15 to 18 ft.
GGG-4	W. M. Apple	D. Steele	1965	15	1½	Qal	8	.....	.....	J	D	Casing: 1½-in from surface to 12 ft; 1½-in screen from 12 to 15 ft.
GGG-5	F. W. Gaines	F. W. Gaines	1965	8	1¼	Qal	8	.....	.....	J	D	Casing: 1¼-in from surface to 5 ft; 1¼-in screen from 5 to 8 ft. Reported to have brackish taste and sulfurous odor.
GGG-6	No. 1 Gulf Beach Land and Development.	.....	.....	8,245	.....	.....	.....	.....	.....	.....	.....	Oil test, permit No. 789, referred to as No. 1 Gulf Beach Land and Dev. Co.
GGG-7	J. T. Hamrick	.....	1959	20	1¼	Qal	4	.....	.....	P	D	Water has sulfurous odor and is not used for drinking.
GGG-8	T. S. Leatherbury Estate	.....	1965	35	1¼	Qal	5	.....	.....	J	D	Casing: 1¼-in from surface to 32 ft; 1¼-in screen from 32 to 35 ft. Water has cloudy appearance.
HHH-1	State of Alabama	.....	1935 (?)	1,523	6	Tmu	11	+14.0	1946	F	U	Oil test. Reported flow 15 gpm in 1949.

HHH-2	....do.....	Alms Pump Service	1963	25	2	Qal	10	.....	.....	J	PS	Water reported to contain objectionable amount of iron.
HHH-3	....do.....	J. Zaller.....	1960	30	2	Qal	9	.....	.....	J	PS, Irr	Supplies sprinkler system and drinking water.
HHH-4	U.S. Coast Guard	D. Steele	1962	31	4	Qal	9	.....	.....	J	D, F	Casing: 4-in from surface to 25 ft; 4-in screen from 25 to 31 ft.
HHH-5	....do.....	.....	1955	38	4	Qal	9	.....	.....	T	D, F	

Table 3.—*Drillers' logs for wells in Baldwin County*

Well D-4

Driller: Byrds Well and Pump Supply Company

	Thickness (feet)	Depth (feet)
Sand	20	20
Chalk, white	40	60
Sand, fine-grained, and chalk layers	150	210
Sand, coarse-grained, and gravel	7	217

Well G-1

Driller: Etheridge Plumbing Company

	Thickness (feet)	Depth (feet)
Soil, red, sandy	10	10
Sand and gravel	30	40
Clay	10	50
Sand and gravel	10	60
Clay	70	130
Clay, red, sandy	10	140
Clay	50	190
Sand	45	235

Well K-3

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Sand and gravel	40	40
Iron rock	2	42
Gravel, coarse, and shale	6	48
Sand and shale streaks	221	269
Sand, fine, clayey	7	276
Shale, stiff, and fine sand streaks	266	542
Sand, yellow, coarse-grained, and gravel	18	560
Rock, red	---	560

Well K-5

Driller: Etheridge Plumbing Company

	Thickness (feet)	Depth (feet)
Surface sand	3	3
Sand	29	32
Pea gravel, large	--	32
Clay, gray, soft	37	69
Sand, fine- to medium-grained, very white, hard packed	18	87
Clay	1	88

Well K-8

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Surface soil	20	20
Sand	20	40
Shale, sandy	20	60
Chalk and sand	30	90
Shale, blue	55	145
Sand, red, very fine	15	160
Shale, white	25	185
Sand, very fine; grades down into coarse-grained sand	35	220
Sand, coarse-grained; grades down into finer sand	20	240

Well L-2

Driller: Etheridge Plumbing Company

	Thickness (feet)	Depth (feet)
Surface clay	10	10
Clay and sand streaks	11	21
Pea gravel and sand	17	38
Clay	10	48
Sand	34	82
Clay	35	117
Clay with small sand streaks	6	123
Sand	3	126
Sand, with clay streaks	7	133
Sand, tight	3	136
Sand, fine-grained	14	150
Clay, red	1	151
Sand, strawberry	7	158
Clay streaks	6	164
Sand	10	174
Sand, fine-grained, hard	11	185
Clay	10	195
Sand	30	225
Sand, water-bearing	9	234

Well T-2

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Sand	9	9
Rock, thin	---	9
Clay	10	19
Rock, thin	---	19
Clay	39	58
Marl, sandy	34	92
Clay	65	157
Sand	6	163
Clay	37	200
Sand	5	205
Marl	11	216
Sand	41	257

Well U-2

Driller: L. Ducks

	Thickness (feet)	Depth (feet)
Clay, red	16	16
Sand, white	56	72
Quicksand	20	92
Gravel	14	106

Table 3.—*Drillers' logs for wells in Baldwin County*—Continued

Well U-5

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay	32	32
Sand	24	56
Sand and clay	14	70
Clay	27	97
Sand, fine-grained, and clay	43	140
Sand	25	165
Rock	1	166
Clay	18	184
Sand, fine-grained	16	200
Sand	28	228

Well U-8

Driller: L. Ducks

	Thickness (feet)	Depth (feet)
Clay, red, sandy	33	33
Clay, white	5	38
Sand and fine gravel	13	51

Well U-9

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay, brown, sandy	21	21
Sand and gravel, yellow	54	75
Clay, finely sandy	29	104
Sand, gray, fine-grained	8	112
Sand, some clay	20	132
Sand	10	142
Sand, coarse-grained	12	154
Sand	13	167
Sand, fine-grained, hard	8	175
Sand, loose	16	191
Sand, packed	8	199
Sand, fine-grained, with clay balls	19	218
Sand, coarse-grained, with hard and soft streaks	36	254
Rock	1	255
Clay	10	265

Well U-11

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay	19	19
Sand and clay	3	22
Sand and gravel	5	27
Sand	24	51
Sand and gravel with clay streaks	14	65
Clay	3	68
Sand, packed	8	76
Clay	1	77
Sand and gravel	3	80
Sand and clay	7	87
Clay	10	97
Clay, little sand	10	107
Sand	18	125
Clay	5	130
Clay, sandy	4	134
Sand	3	137
Sand, with clay streaks	20	157
Sand and gravel	18	175
Sand and yellow clay	2	177
Clay	10	187

Well X-1

Driller: L. Ducks

	Thickness (feet)	Depth (feet)
Sand	30	30
Chalk and streaks of sand	60	90
Sand and gravel	29	119

Well Y-1

Driller: Builders' Hardware Company

	Thickness (feet)	Depth (feet)
Surface sand and soil	13	13
Chalk, sandy	127	140
Sand, fine-grained, grading to coarse-grained near base	40	180
Clay	5	185

Well Y-5

Driller: Powell Drilling and Service Company, Inc.

	Thickness (feet)	Depth (feet)
Soil	1	1
Clay	31	32
Sand and clay	10	42
Clay, soft, gumbo, with sand breaks	21	63
Sand, gravel, and sandy clay	8	71
Sand and gravel	7	78
Clay, tough	16	94
Sand and gravel	17	111
Clay	3	114
Sand	6	120
Marl	49	169
Marl, soft and tough	16	185
Sand, draggy	7	192
Sand, blue, fine-grained (cuts good)	14	206
Sand, red, coarse-grained (cuts good)	21	227
Clay	4	231
Marl, blue	11	242
Sand, draggy	24	266
Marl, tough	15	281
Sand, draggy	2	283
Marl	3	286
Sand, draggy	1	287
Marl	6	293
Sand (cuts good)	1	294

Table 3.—*Drillers' logs for wells in Baldwin County*—Continued

Well Y-5—Continued

	Thickness (feet)	Depth (feet)
Marl	15	309
Sand, fine-grained	29	338
Marl	14	352

Well Z-5

Driller: Etheridge Plumbing Company

	Thickness (feet)	Depth (feet)
Surface clay	4	4
Sand, red	37	41
Pea gravel	2	43
Sand, medium-grained	3.5	46.5
Clay, vari-colored	31.5	78
Sand, very fine grained, powdery, water-bearing	17	95
Clay, soft	25	120
Sand, fine- to medium-grained, hard packed, water-bearing	35	155

Well CC-5

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay, yellow	29	29
Sand, red	22	51
Rock	1	52
Sand and gravel	11	63
Rock	1	64
Clay	11	75
Rock	1	76
Clay	28	104
Gravel, and clay streaks	15	119
Clay, blue	26	145
Sand, fine-grained, gray, soft, muddy	58	203
Sand, hard	18	221
Clay, with sand streaks	38	259
Sand, packed	49	308
Clay, with sand streaks	32	340
Clay, tough	36	376
Clay, with sand streaks	18	394
Clay, tough	25	419

Well CC-6

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Sand	5	5
Clay	4	9
Sand and clay streaks	17	26
Sand	11	37
Clay and sand streaks	8	45
Sand	42	87
Clay, sandy	27	114
Sand	14	128
Clay, sandy	16	144
Sand	16	160
Clay, sandy	49	209
Clay	84	293
Sand	13	306
Clay	2	308
Sand	11	319
Clay	24	343
Clay, sandy	7	350
Sand	19	369
Clay	45	414

Well CC-8

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Surface clay and sand	84	84
Clay, hard	28	112
Sand	12	124
Clay	23	147
Marl, blue	96	243
Sand, gray, fine-grained	25	268
Sand, water-bearing	32	300
Sand, water-bearing	10	310
Sand, water-bearing, in bottom	30	340
Marl	9	349

Well CC-10

Driller: Carloss Well Supply Company

	Thickness (feet)	Depth (feet)
Surface fill	10	10
Sand, red, hard packed	53	63
Sandstone	1	64
Gravel, dry	16	80
Gumbo	40	120
Shale	10	130
Sand, fine-grained	25	155
Shale	25	180
Sand, water-bearing	20	200
Clay	2	202
Sand, water-bearing	70	272
Shale, sandy	64	336
Sand, water-bearing	68	404
Gumbo	5	409

Well DD-2

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Clay, red	18	18
Sand, red	12	30
Gravel	3	33
Sand, white	51	84
Clay and shale	2	86
Rock	10	96
Sand, fine-grained	17	113
Shale	12	125
Sand, fine-grained	10	135
Sand, coarse-grained	28	163
Shale	4	167

Table 3.—*Drillers' logs for wells in Baldwin County*—Continued

Well FF-6

Driller: A. W. Williams Inspection Company

	Thickness (feet)	Depth (feet)
Clay, red, sandy	15	15
Sand	14	29
Clay, with sand breaks	32	61
Sand	19	80
Sand and gravel	11	91
Clay	34	125
Sand, fine-grained	13	138
Sand, fine-grained, soft, loose	12	150
Sand, coarse-grained, and gravel	15	165
Clay	75	240
Sand	40	280
Rock	---	280

Well KK-3

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay	15	15
Sand and gravel	8	23
Clay	7	30
Clay, sandy	20	50
Sand	47	97
Clay	33	130
Sand and rock	5	135
Sand and gravel	18	153
Sand	31	184
Clay	15	199

Well LL-5

Driller: A. W. Williams Inspection Company

	Thickness (feet)	Depth (feet)
Clay, yellow, sandy	20	20
Sand, fine- to medium-grained	30	50
Sand, medium- to coarse-grained, and fine gravel	70	120
Pink clay	25	145
Sand, fine-grained, packed	13	158
Rock	1	159
Clay, blue	21	180
Sand, fine-grained	5	185
Clay, blue	100	285
Sand, medium- to coarse-grained	15	300
Rock	2	302
Sandstone, soft, sandy clay, and fine-grained sand	22	324
Sand, fine- to medium-grained	9	333
Rock	2	335
Clay, blue	12	347
Sand, reddish, fine- to medium-grained, and sandy clay	23	370
Sand, fine-grained, packed	40	410
Sand, coarse-grained, and fine gravel	10	420
Sand, fine- to medium-grained, loose and packed	16	436
Clay, blue	19	455

Well LL-6

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Topsoil	2	2
Clay	18	20
Sand	44	64
Sand and gravel	26	90
Sand	33	123
Clay	28	151
Sand	41	192
Clay	8	200
Clay, with sand streaks	45	245
Sand, with clay streaks	24	269
Clay, with sandy streaks	37	306
Rock	1	307
Clay, with sandy streaks	20	327
Sand	10	337
Clay, with sandy streaks	53	390
Clay	4	394
Sand	52	446
Clay	110	556
Clay and shells	55	611

Well MM-1

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Sand	15	15
Sand and muck	50	65
Muck, blue	47	112
Sand	8	120
Clay, soft and hard	78	198
Sand, muddy, loose	27	225
Sand	6	231
Clay	29	260
Sand, gray, fine-grained	45	305
Sand	31	336
Clay	3	339

Well MM-3

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Sand	30	30
Sand, and blue clay	38	68
Clay and lignite	39	107
Sand	13	120
Sand and mud	10	130
Sand rock	1	131
Clay, sandy	21	152
Sand	6	158
Clay, sandy	52	210
Sand	31	241
Clay, with sand streaks	43	284
Sand	52	336
Clay	6	342

Table 3.—*Drillers' logs for wells in Baldwin County*—Continued

Well NN-2

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Surface	25	25
Shale, sandy	75	100
Sand, coarse-grained	25	125
Shale	15	140
Sand, blue, fine-grained	20	160
Sand, yellow, fine-grained	20	180
Sand, yellow, muddy	20	200
Shale, with fine sand	5	205
Sand, blue, fine-grained	35	240
Shale, sandy, fine-grained	67	307
Sand, fine-grained	20	327
Sand, medium-grained	48	375
Shale	25	400
Sand	10	410
Shale, sandy	40	450
Sand	15	465
Shale, sandy	9	474
Sand, medium-grained	21	495
Sand	22	517

Well NN-3

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay, gummy	4	4
Clay, hard	15	19
Sand	7	26
Clay	2	28
Sand, white, coarse-grained	22	50
Sand, coarse-grained, and gravel	31	81
Clay, sandy	19	100
Sand, with clay streaks	20	120
Sand, coarse-grained, and gravel	43	163
Sand and fine gravel	26	189
Clay, hard	51	240
Clay with sandy streaks	32	272
Sand, fine-grained	17	289
Clay, with sandy streaks	23	312
Clay	51	363
Sand	30	393
Clay	21	414
Sand, fine-grained	13	427
Clay	4	431
Sand, fine-grained	24	455
Sand	23	478
Sand with clay streaks	13	491
Sand	12	503
Clay	20	523

Well NN-4

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay, red	16	16
Gravel	9	25
Sand	115	140
Clay, sandy	31	171
Sand	10	181
Clay, sandy	14	195
Clay	4	199
Sand and clay	68	267
Sand	12	279
Clay	2	281
Sand	11	292
Clay	36	328
Sand	39	367
Clay, sandy	45	412
Sand, packed	15	427
Clay	6	433
Sand, packed	41	474
Clay	39	513

Well NN-5

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay, red, sandy	19	19
Sand, coarse-grained	66	85
Sand and gravel	23	108
Sand, with clay streaks	22	130
Sand, soft, muddy	22	152
Sand, gravel, and clay	23	175
Sand and gravel	8	183
Clay, yellow	10	193
Sand	4	197
Clay, yellow	23	220
Shale with lignite streaks	22	242
Shale	9	251
Sand with shale streaks	14	265
Shale, sandy	22	287
Shale, gummy	22	309
Sand and shale	17	326
Sand, packed	26	352
Sand, soft	6	358
Clay, blue	41	399
Sand, packed	12	411
Clay	32	443
Sand, packed	31	474
Clay, blue	5	479

Well NN-6

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Fill	18	18
Clay, sandy	28	46
Sand, packed	66	112
Sand, fine-grained, loose	21	133
Clay	7	140
Sand, with clay streaks	77	217
Clay	8	225
Sand, fine-grained, muddy	69	294
Sand, brown, packed	20	314
Clay	16	330
Sand, gray, packed	57	387
Clay	33	420

Table 3.—*Drillers' logs for wells in Baldwin County*—Continued

Well NN-7

Driller: Gray Artesian Well Company

	Thickness (feet)	Depth (feet)
Soil and gravel	15	15
Gravel and sand	13	28
Clay	6	34
Gravel	9	43
Clay, sandy	15	58
Sand, red	8	66
Clay, sandy	20	86
Sand, red	31	117
Clay, blue	32	149
Sand, red	20	169
Gravel	10	179
Sand, fine-grained	32	211
Gumbo	2	213

Well OO-1

Driller: Acme Drilling Company

	Thickness (feet)	Depth (feet)
Clay	7	7
Rock break	0.5	7.5
Clay	10.5	18
Sandy streaks	19	37
Sand, packed	43	80
Rock	1	81
Sand, packed	10	91
Clay	4	95
Clay, blue	28	123
Sand	31	154
Sand, packed	43	197

Well PP-1

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay, yellow	15	15
Clay, white and pink	47	62
Rock	---	---
Clay, yellow	18	80
Clay, sandy	72	152
Sand, packed	15	167
Clay	3	170
Sand, coarse-grained, packed	23	193
Clay	8	201

Well PP-5

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay, sandy	15	15
Clay	4	19
Clay, sandy	5	24
Sand with clay streaks	18	42
Sand	1	43
Clay, sandy	12	55
Sand, white	35	90
Sand	5	95
Clay, sandy	19	114
Sand, packed with clay breaks	26	140
Sand, packed	5	145
Rock	1	146

Well QQ-2

Driller: Campbell Hardware and Supply Company

	Thickness (feet)	Depth (feet)
Clay, yellow, sandy	12	12
Clay, yellow to pink	6	18
Sand, white, fine- to coarse-grained, angular	24	42
Sand, buff, fine- to medium-grained, clayey	10	52
Sand, yellow, fine- to medium-grained, clayey	10	62
Clay, yellow, sandy	10	72
Clay, sandy	10	82
Sand, yellow, fine- to medium-grained	10	92
Sand, white, fine- to coarse-grained, clayey	10	102

Well SS-4

Driller: J. Zoller

	Thickness (feet)	Depth (feet)
Clay, red	18	18
Sand, water-bearing	5	23
Muck, black	72	95
Log at	---	95
Sand	17	112

Well TT-5

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Topsoil	2	2
Clay, sandy	4	6
Clay	7	13
Sand, muddy	33	46
Sand	2	48
Clay	11	59
Sand	41	100
Sand, muddy	12	112

Well TT-6

Driller: Spillers Well and Pump Company

	Thickness (feet)	Depth (feet)
Clay, sandy	20	20

Table 3.—*Drillers' logs for wells in Baldwin County*—Continued

Well TT-6—Continued

Clay	15	35
Mud, sandy	8	43
Sand rock	1	44
Sand, fine-grained, muddy	31	75
Sand, water-bearing, good	30	105
Sand, blue, fine-grained	5	110

Well TT-8

Driller: J. Zoller

	Thickness (feet)	Depth (feet)
Clay	19	19
Sand, water-bearing	3	22
Clay	8	30
Sand	4	34
Clay	16	50
Sand and gravel	10	60

Well UU-4

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay, sandy	25	25
Sand, with clay streaks	15	40
Sand, coarse-grained, and gravel	8	48
Sand, fine-grained, with clay balls	42	90
Sand, coarse-grained	14	104
Sand, fine-grained, loose, and chalky clay	16	120
Sand and clay	5	125
Clay, blue, sandy	41	166
Sand (cut fair)	4	170
Sand, soft, with clay	2	172
Sand, packed	11	183
Sand, soft	3	186
Sand, packed	12	198
Clay, soft, sandy - balls up	34	232

Well UU-5

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Sand and clay	39	39
Clay, coarse-grained, sandy	37	76
Sand	21	97
Clay, sandy	4	101
Sand with streaks of clay	35	136
Sand, blue, muddy	7	143
Clay, pink, sandy	9	152

Well UU-6

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Topsoil	1	1
Clay, sandy	3	4
Clay and rock	3	7
Sand	21	28
Sand and clay	6	34
Sand	30	64
Sand and gravel	20	84
Sand and clay	10	94
Sand and gravel	10	104
Sand	27	131
Clay	6	137
Sand	10	147
Clay	8	155

Well UU-7

Driller: Gray Artesian Well Company

	Thickness (feet)	Depth (feet)
Sand, clayey soil	6	6
Clay, hard	3	9
Sand	16	25
Sand, white, coarse-grained	50	75
Clay	20	95
Sand	39	134

Well UU-8

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Surface	8	8
Clay	12	20
Sand, coarse-grained, and clay particles	22	42
Sand, coarse-grained	20	62
Sand, very coarse grained	30	92
Sand, medium-grained	40	132
Shale and sand, gray, streaked, with wood fragments	25	157
Sand, medium-grained, with 1-foot shale breaks	45	202
Shale, blue, stiff	20	222
Sand, gray, medium-grained	8	230
Shale, blue, stiff	10	240
Sand	2	242
Sand with shale-rock at 257 feet	20	262
Shale, gray	30	292
Sand, fine-grained, and shale, streaked with bits of wood	50	342
Sand, fine-grained, packed, contains mica	40	382
Sand, fine- to medium-grained	47	429
Shale, gray	10	439
Sand	23	462
Shale	12	474
Shale, sandy with fossils	28	502
Shale, brown, muddy, sandy	20	522
Sand, dark-brown, fine- to medium-grained, with bits of wood	80	602
Sand, coarse-grained	40	642

Table 3.—*Drillers' logs for wells in Baldwin County*—Continued

Well UU-9

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Clay	15	15
Clay, sandy	20	35
Sand and clay	40	75
Sand	10	85
Sand, soft	5	90
Sand and clay balls	7	97
Sand	3	100
Sand, coarse-grained	5	105
Sand	10	115
Sand, coarse-grained	15	130
Sand, coarse-grained, and clay	5	135
Sand and clay	5	140
Clay	5	145

Well VV-4

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Red clayey soil	12	12
Marl, sandy	6	18
Clay, white	8	26
Sand, dry	14	40
Clay, yellow	10	50
Sand, water-bearing	67	117
Clay, yellow	9	126
Sand, water-bearing	14	140
Clay, dark-blue	15	155
Sand, water-bearing	14	169
Clay	---	169

Well YY-6

Driller: Etheridge Plumbing Company

	Thickness (feet)	Depth (feet)
Sand	3	3
Clay, yellow	23	26
Sand, coarse-grained	2	28
Clay, sandy	10	38
Sand, coarse-grained, and pea gravel	4	42
Sand, with 0.5 to 1.5 ft streaks of clay	35	77
Sand, white, fine-grained	25	102
Clay, gray, soft	16	118
Clay, sandy, with streaks of sand	18	136
Clay, blocky, hard	8	144
Sand, with clay streaks	16	160
Sands, white, fine- to medium-grained, water-bearing	19	179
Sand, blue, very fine grained	10	189

Well AAA-2

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Surface soil	8	8
Sand, fine-grained, water-bearing	9	17
Clay, gray, and rotten wood	31	48
Clay, gray, and fine-grained sand	5	53
Sand, fine-grained	16	69
Sand, fine-grained, and clay	11	80
Sand, gray, fine-grained	7	87
Clay, gray	20	107
Gravel, water-bearing	26	133
Sand, coarse-grained, water-bearing	11	144
Sand and gravel, water-bearing	8	152

Well BBB-15

Driller: J. Zoller

	Thickness (feet)	Depth (feet)
Sand	24	24
Clay	8	32
Sand, fine-grained	15	47

Well DDD-3

Driller: Layne-Central Company

	Thickness (feet)	Depth (feet)
Sand, black	3	3
Sand, white	19	22
Sand, fine-grained, with chalk streaks	28	50
Sand, coarse-grained, with clay streaks	18	68
Sand, coarse-grained	46	114

Well DDD-16

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Sand, white	270	270
Clay, dark-gray	65	335
Sand, coarse-grained	34	369

Well EEE-2

Driller: Deep Well Drilling Company

	Thickness (feet)	Depth (feet)
Soil	10	10
Sand	25	35
Clay, blue	10	45
Sand, with ironstone	45	90
Clay, blue	63	153
Sand, blue	20	173
Gumbo	1	174

Table 4.—*Chemical analyses of water from wells in Baldwin County*

Water-bearing unit: Teu, Eocene Series; Tmu, Miocene Series; Tci, Citronelle Formation; Qal, alluvium, low-terrace and coastal deposit.

(Analyses by U.S. Geological Survey except as indicated. Well numbers correspond with those on figure 3 and in tables 2 and 3.)

Number	Well owner	Date of collection	Water-bearing unit	Well depth (feet)	Milligrams per liter													Hardness as $CaCO_3$		Specific conductance (micromhos at 25° C)	pH	Temperature	
					Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue at 180° C)	Calcium, magnesium	Noncarbonate			°C	°F
A-1	C. E. Gantt	8- 4-66	Teu	330	.....	0.06	....	....	.....	....	208	0	.....	3.1	.....	.....	.....	72	0	337	7.6	21	70
C-5	W. James	8-15-66	Tmu	69	.....	1.6	....	....	.....	....	34	0	.....	6.4	.....	.....	.....	12	0	84	6.8	23	73
D-4	T. J. Earle	8-15-66	Tmu	217	.....	.80	....	....	.....	....	22	0	.....	2.2	.....	.....	.....	18	0	44	6.9	22	71
E-3	E. F. Gumbie	8- 4-66	Tmu	165	.....	.12	....	....	.....	....	22	0	.....	2.4	.....	.....	.....	10	0	45	6.4	21	70
F-4	Carney Timberland Co	8-18-66	Tmu	88	.....	.31	....	....	.....	....	24	0	.....	5.2	.....	.....	.....	5	0	45	6.8	25	77
F-9	M. G. Brown	8-22-66	Tmu	97	.....	.78	....	....	.....	....	4	0	.....	2.8	.....	.....	.....	8	5	14	6.1	20	68
G-1	Mrs. C. Slaughter	8-16-66	Tmu	235	.....	1.7	....	....	.....	....	92	0	.....	18	.....	.....	.....	28	0	199	7.4	23	73
H-3	W. Johnson	8-16-66	Tmu	296	.....	1.3	....	....	.....	....	76	0	.....	9.4	.....	.....	.....	28	0	152	7.1	23	74
K-1	J. A. Bryars	8- 2-66	Qal	80	.....	2.8	....	....	.....	....	52	0	.....	3.2	.....	.....	.....	25	0	93	7.0	18	64
K-3	W. A. Bryant	8- 3-66	Tmu	560	.....	.07	....	....	.....	....	190	0	.....	580	.....	.....	.....	30	0	2,050	7.6	22	71
Do.	....do	10-17-66	Tmu	560	12	.17	5.8	3.3	432	6.2	193	0	1.4	564	0.7	0.1	[1] 1,120	28	0	2,080	7.4	..	..
K-4	....do	8- 3-66	Tmu	243	.....	.....	....	....	.....	....	124	0	.....	53	.....	.....	.....	2	0	361	7.4	21	69
Do.	....do	10-17-66	Tmu	243	12	.32	.5	.2	85	1.4	127	0	2.4	52	.2	.1	223	2	0	362	7.5	..	..
K-5	Baldwin County Board of Education.	8- 3-66	Tmu	86.5	.....	3.3	....	....	.....	....	22	0	.....	3.6	.....	.....	.....	12	0	49	6.9	21	69
L-2	....do	8-19-66	Tmu	180	.....	2.2	....	....	.....	....	16	0	.....	2.2	.....	.....	.....	12	0	32	7.5	21	70
M-1	E. O. Stewart	8-23-66	Tmu	84	.....	.15	....	....	.....	....	10	0	.....	2.4	.....	.....	.....	5	0	22	7.1	21	70
M-6	Baldwin County Board of Education.	8-18-66	Tmu	260	.....	.10	....	....	.....	....	2	0	.....	5.2	.....	.....	.....	10	8	35	5.8	20	68
O-1	E. D. Byrd	8-24-66	Tmu	142.5	.....	.11	....	....	.....	....	4	0	.....	6.2	.....	.....	.....	10	7	38	5.9	20	68
P-3	Mobile Presbyterian Camp and Recreation Center.	7-25-66	Tmu	170	.....	.06	....	....	.....	....	8	0	.....	2.8	.....	.....	.....	5	0	24	7.1	20	68
P-5	E. E. Drinkard	7-25-66	Tmu	42	.....	.07	....	....	.....	....	4	0	.....	7.2	.....	.....	.....	10	7	42	5.7	20	68
Q-3	Bacon McMillian Veneer Co.	7-29-66	Tmu	90	.....	1.3	....	....	.....	....	68	0	.....	4.4	.....	.....	.....	22	0	123	7.5	22	72
Q-4	....do	8- 3-66	Tmu	465	.....	.37	....	....	.....	....	96	0	.....	20	.....	.....	.....	15	0	213	7.5	21	71
Q-9	International Paper Co	8- 2-66	Tmu	144	.....	2.6	....	....	.....	....	38	0	.....	3.0	.....	.....	.....	18	0	80	7.0	20	68
T-3	C. Eddins	7-29-66	Tmu	251	.....	.01	....	....	.....	....	108	0	.....	4.8	.....	.....	.....	10	0	182	7.9	20	68
T-6	Louisville and Nashville Railroad.	10-17-66	Tmu	226	13	.06	1.9	.3	40	1.6	108	0	4.8	3.5	.1	.1	[1] 118	6	0	181	7.4	21	69
T-7	Mrs. E. Earl	8-15-66	Tmu	220	.....	.22	....	....	.....	....	170	0	.....	580	.....	.....	.....	120	0	2,040	7.6	21	69
T-8	C. E. Steward	7-29-66	Tmu	80	.....	.10	....	....	.....	....	14	0	.....	5.2	.....	.....	.....	5	0	36	6.1	21	69
[2] U-5	Town of Bay Minette	7-15-38	Tmu	.....	12	.....	....	....	.....	....	.....	.....	.....	.....	.1	.....	.....	.....	....	.....	5.2	20	68
Do.	....do	4-27-66	Tmu	228	.....	.05	....	....	.....	....	6	0	.....	3.6	.....	.....	.....	10	5	19	5.6	..	..
U-8	F. A. Props	8-24-66	Tmu	52	.....	.45	....	....	.....	....	4	0	.....	11	.....	.....	.....	12	9	66	7.5	21	69
U-9	Town of Bay Minette	4-27-66	Tmu	204	.....	.05	....	....	.....	....	6	0	.....	4.4	.....	.....	.....	12	7	25	5.4	20	68
U-11	....do	4-27-66	Tmu	185	.....	.04	....	....	.....	....	6	0	.....	4.6	.....	.....	.....	10	5	26	5.8	20	68
V-1	I. J. Stewart	8-24-66	Tmu	65	.....	.08	....	....	.....	....	4	0	.....	5.4	.....	.....	.....	10	7	31	7.7	21	69
Y-2	Bay Minette Country Club	8-17-66	Tmu	141	.....	.45	....	....	.....	....	4	0	.....	3.6	.....	.....	.....	10	7	33	7.6	20	68
Y-5	Town of Stapleton	4-27-66	Tmu	112	.....	.05	....	....	.....	....	88	0	.....	9.4	.....	.....	.....	12	0	156	7.6	21	70
Z-1	U.S. Dept. of Commerce	12- 1-66	Tmu	106	.....	2.6	....	....	.....	....	60	0	.....	11	.....	.....	.....	18	0	133	7.2	18	64
Z-5	Baldwin County Board of Education.	7-26-66	Tmu	137	.....	1.1	....	....	.....	....	6	0	.....	4.0	.....	.....	.....	5	0	23	5.8	21	70
Z-9	C. G. Lindsey	7-26-66	Tmu	250	.....	3.5	....	....	.....	....	22	0	.....	3.8	.....	.....	.....	10	0	57	6.4	21	70
BB-1	G. D. Argiro	5-12-66	Qal	60	.....	11	....	....	.....	....	442	0	.....	2,250	.....	.....	.....	348	0	7,310	7.1	22	71
BB-3	R. Worcester	5- 3-66	Tmu	227	.....	2.7	....	....	.....	....	72	0	.....	67	.....	.....	.....	38	6	320	7.0	21	70
Do.	....do	10-17-66	Tmu	227	30	2.7	7.1	3.0	55	3.8	72	0	5.8	60	.1	.2	201	30	0	321	6.6	..	..
BB-5	J. Langley	5-11-66	Qal	84	.....	29	....	....	.....	....	186	0	.....	1,900	.....	.....	328	175	....	5,960	7.4	24	75
CC-1	L. Buzbee	5-19-66	Tmu	161	.....	1.6	....	....	.....	....	74	0	.....	26	.....	.....	30	0	....	210	7.0	21	69

CC-5	Malbis Plantation	3-15-66	Tmu	309	.....	2.7	....	....	.....	....	28	0	.....	4.4	.....	.....	.....	21	0	78	6.8	22	71
[3] Do.	....do	1-14-65	Tmu	.....	42	1.8	....	....	.....	....	.....	.....	6	7	0	.....	.....	.....	....	.....	6.6	..	..
CC-6	Alabama Mineral Development Corp.	4-27-66	Tmu	378	.....	.26	....	....	.....	....	12	0	.....	4.4	.....	.....	.....	10	0	36	6.3	22	71
[4] Do.	....do	4-28-59	Tmu	.....	31	.....	....	....	.....	....	.....	.....	.....	4.0	0	.....	.....	10.1	....	.....	...	..	..
CC-7	Baldwin County Board of Education.	7-26-66	Tmu	137	.....	1.2	....	....	.....	....	10	0	.....	4.0	.....	.....	.....	5	0	27	6.5	23	73
CC-8	Spanish Fort Utility	4-27-66	Tmu	341	.....	2.2	....	....	.....	....	34	0	.....	6.0	.....	.....	.....	15	0	90	6.6	22	71
CC-9	....do	4-19-66	Tmu	335	.....	1.8	....	....	.....	....	34	0	.....	4.8	.....	.....	.....	16	0	85	7.0	21	69
DD-2	Tidewater Homes Corp	5- 9-66	Tmu	168	.....	.15	....	....	.....	....	8	0	.....	2.8	.....	.....	.....	8	1	30	6.0	22	72
DD-4	U.S. Steel Corp	5-17-66	Tmu	103	.....	.56	....	....	.....	....	8	0	.....	3.6	.....	.....	.....	5	0	22	7.1	21	69
EE-1	W. B. Cooper	5-17-66	Tci	40	.....	.89	....	....	.....	....	14	0	.....	4.6	.....	.....	.....	15	4	55	6.6	24	75
EE-2	J. E. Middletown	5-17-66	Tmu	88	.....	.14	....	....	.....	....	12	0	.....	5.2	.....	.....	.....	12	2	40	6.6	23	73
EE-5	Mrs. G. H. LaCoste, Jr	5-17-66	Tmu	98	.....	2.1	....	....	.....	....	6	0	.....	3.4	.....	.....	.....	10	5	21	7.2	26	78
FF-3	B. L. Lee	5-31-66	Tmu	60	.....	.58	....	....	.....	....	6	0	.....	4.2	.....	.....	.....	8	3	25	5.7	21	70
FF-5	C. M. Barnett	5-17-66	Tmu	75	.....	.28	....	....	.....	....	2	0	.....	7.2	.....	.....	.....	25	23	75	5.8	22	71
FF-6	L. C. Cox	5-19-66	Tmu	280	.....	4.6	....	....	.....	....	6	0	.....	3.8	.....	.....	.....	12	7	20	6.7	21	70
GG-1	International Paper Co	6- 2-66	Tmu	173	.....	.21	....	....	.....	....	12	0	.....	3.4	.....	.....	.....	20	10	40	6.3	21	70
GG-2	D. S. Baggett	5-31-66	Tmu	87	.....	.09	....	....	.....	....	6	0	.....	3.6	.....	.....	.....	10	5	19	5.8	21	69
HH-1	O. M. McNeil	5-31-66	Tmu	116	.....	.35	....	....	.....	....	20	0	.....	4.0	.....	.....	.....	28	12	60	6.4	22	72
II-1	G. O. Pittman	6-29-66	Tmu	64	.....	.95	....	....	.....	....	6	0	.....	4.4	.....	.....	.....	12	7	47	5.7	23	73
II-2	T. Weekly	6-29-66	Tmu	96	.....	.02	....	....	.....	....	4	0	.....	3.0	.....	.....	.....	5	2	17	5.5	22	71
JJ-3	H. L. Lechner	5-18-66	Tmu	97	.....	.10	....	....	.....	....	6	0	.....	3.4	.....	.....	.....	5	0	20	7.0	22	71
JJ-4	W. B. Cooper	6- 7-66	Tmu	133	.....	.08	....	....	.....	....	8	0	.....	3.4	.....	.....	.....	18	11	26	6.2	..	..
JJ-5	Baldwin County Board of Education.	6- 7-66	Tci	50	.....	.73	....	....	.....	....	6	0	.....	3.2	.....	.....	.....	10	5	27	5.7	22	71
KK-1	Flowerwood Nursery	5- 9-66	Tmu	188	.....	.07	....	....	.....	....	4	0	.....	2.8	.....	.....	.....	8	5	18	6.2	21	70
KK-2	D. W. Fields	5-12-66	Tmu	85	.....	.40	....	....	.....	....	4	0	.....	6.8	.....	.....	.....	18	15	56	6.1	21	70
KK-3	Town of Loxley	3- 8-66	Tmu	184	.....	.07	....	....	.....	....	6	0	.....	4.0	.....	.....	.....	10	5	21	5.6	21	69
Do.	....do	10-18-66	Tmu	184	8.5	.08	.5	.7	3.0	.2	6	0	.....	2.2	.0	1.2	23	4	0	22	5.6	..	..
KK-4	G. J. Petris	6- 7-66	Tmu	105	.....	.11	....	....	.....	....	6	0	.....	4.8	.....	.....	.....	12	7	23	5.7	21	70
LL-2	E. G. Manci, Jr	6- 7-66	Tmu	60	.....	.08	....	....	.....	....	8	0	.....	8.2	.....	.....	.....	10	3	56	5.8	21	70
LL-4	J. D. Trione	5- 3-66	Tmu	110	.....	.41	....	....	.....	....	6	0	.....	5.0	.....	.....	.....	8	3	29	5.5	21	70
LL-6	Town of Daphne	3- 8-66	Tmu	430	.....	.10	....	....	.....	....	13	0	.....	5.2	.....	.....	.....	15	4	46	6.4	22	72
Do.	....do	10-17-66	Tmu	430	25	.17	2.4	1.0	6.3	1.4	14	0	7.6	3.4	.1	.1	54	10	0	48	6.2	..	..
LL-7	Miss V. Bertolla	6- 6-66	Tmu	777	.....	.09	....	....	.....	....	130	0	.....	3.8	.....	.....	.....	35	0	222	8.2	22	71
Do.	....do	9-12-66	Tmu	777	13	.08	9.5	1.5	35	3.0	125	0	6.2	3.0	.1	.1	133	30	0	218	7.1	..	..
LL-8	J. C. Glover	5- 3-66	Tmu	218	.....	1.3	....	....	.....	....	4	0	.....	3.4	.....	.....	.....	8	5	35	5.4	21	70
MM-2	Grand Hotel Development Corp.	5-12-66	Tmu	338	.....	.26	....	....	.....	....	88	0	.....	3.0	.....	.....	.....	30	0	155	7.5	..	..
Do.	....do	10-17-66	Tmu	338	24	.17	7.4	1.3	25	3.8	89	0	6.2	2.9	.1	.1	119	24	0	157	6.9	..	..
MM-3	....do	5- 4-66	Tmu	345	.....	.12	....	....	.....	....	106	0	.....	5.2	.....	.....	.....	40	0	190	7.6	22	72
NN-1	State of Alabama	4-14-66	Tmu	233	.....	7.9	....	....	.....	....	6	0	.....	3.8	.....	.....	.....	10	5	38	6.0	..	..
NN-3	Town of Fairhope	3-15-66	Tmu	510	.....	.96	....	....	.....	....	46	0	.....	4.2	.....	.....	.....	32	0	98	6.8	22	72
NN-4	....do	3-15-66	Tmu	479.5	.....	1.5	....	....	.....	....	45	0	.....	4.4	.....	.....	.....	30	0	96	7.2	22	72
OO-1	Town of Silverhill	3- 9-66	Tmu	197	.....	.13	....	....	.....	....	5	0	.....	4.0	.....	.....	.....	12	8	22	5.9	21	70
OO-2	F. Clay and J. Wesley	6- 6-66	Tmu	352	.....	6.2	....	....	.....	....	24	0	.....	3.2	.....	.....	.....	30	10	70	6.4	..	..
PP-1	Town of Robertsdale	3-11-66	Tmu	203	.....	.06	....	....	.....	....	3	0	.....	8.6	.....	.....	.....	15	13	42	5.5	21	70
PP-2	....do	3-11-66	Tmu	260	.....	.04	....	....	.....	....	4	0	.....	7.4	.....	.....	.....	12	9	30	5.7	21	70
PP-4	O. J. Harms	6-13-66	Tmu	60	.....	.09	....	....	.....	....	4	0	.....	4.4	.....	.....	.....	15	12	31	5.7	21	70
PP-5	Summerdale Waterworks	3-14-66	Tmu	146	.....	.06	....	....	.....	....	5	0	.....	7.6	.....	.....	.....	15	11	45	5.8	21	69
QQ-1	W. C. Davis	5-19-66	Tmu	94	.....	.16	....	....	.....	....	4	0	.....	5.8	.....	.....	.....	12	9	31	7.5	21	70
RR-2	L. J. Early	6- 7-66	Tmu	105	.....	7.9	....	....	.....	....	44	0	.....	3.4	.....	.....	.....	15	0	85	6.5	22	71
RR-3	D. W. Sirmon	6- 8-66	Tmu	29	.....	.14	....	....	.....	....	4	0	.....	6.4	.....	.....	.....	20	17	55	5.7	21	70
RR-7	W. C. Boyett	6- 8-66	Tmu	118	.....	.12	....	....	.....	....	52	0	.....	3.2	.....	.....	.....	25	0	98	7.0	22	71
SS-2	S. W. Carter	6-17-66	Tmu	59	.....	.16	....	....	.....	....	2	0	.....	4.8	.....	.....	.....	32	30	61	5.6	22	71
SS-4	J. M. Kiefer	6-22-66	Tmu	181	.....	1.8	....	....	.....	....	2	0	.....	5.8	.....	.....	.....	8	6	34	7.1	21	69
SS-9	Baldwin County Board of Education.	6-16-66	Tmu	80	.....	.78	....	....	.....	....	6	0	.....	5.4	.....	.....	.....	15	10	44	6.1	22	72
SS-10	A. Brewton	6-15-66	Tmu	110	.....	.41	....	....	.....	....	12	0	.....	4.4	.....	.....	.....	15	5	42	6.1	22	71
TT-3	C. P. Gardner	6-13-66	Tmu	70	.....	.06	....	....	.....	....	4	0	.....	3.8	.....	.....	.....	10	7	35	5.7	21	70
TT-6	Town of Elberta	3- 8-66	Tmu	102	.....	.14	....	....	.....	....	3	0	.....	6.0	.....	.....	.....	12	10	37	5.8	21	69
TT-8	M. Heber	6-14-66	Tmu	60	.....	.05	....	....	.....	....	4	0	.....	6.0	.....	.....	.....	18	15	63	5.9	21	69
UU-6	Riviera Utilities	3-14-66	Tmu	157	.....	.10	....	....	.....	....	0	0	.....	15	.....	.....	.....	28	28	103	4.5	21	70
UU-7	....do	10-17-66	Tmu	134	7.2	.05	.5	.9	6.5	.4	3	0	1.0	7.3	.0	4.2	30	5	3	42	5.2	21	70
[5] UU-8	....do	1949	Tmu	.....	.....	.....	....	....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	5.4	..	..

Table 4.—*Chemical analyses of water from wells in Baldwin County*—Continued

Number	Well owner	Date of collection	Water-bearing unit	Well depth (feet)	Milligrams per liter: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue at 180° C)	Hardness as $CaCO_3$: Calcium, magnesium	Hardness as $CaCO_3$: Noncarbonate	Specific conductance (micromhos at 25° C)	pH	Temperature °C	Temperature °F
[6] UU-8	Riviera Utilities	5-23-49	Tmu	.....	.....	0.2	....	....	.....	....	90	0	.....	6	.....	.....	.....	.....	....	.....	4.7	..	..
[7] Do.	....do	5-23-49	Tmu	.....	.....	.1	....	....	.....	....	111	0	.....	11	.....	.....	.....	18	....	.....	6.5	..	..
Do.	....do	3-14-66	Tmu	137	.....	.07	....	....	.....	....	4	0	.....	7.8	.....	.....	.....	8	5	43	5.4	21	70
UU-9	....do	3-14-66	Tmu	148	.....	.09	....	....	.....	....	4	0	.....	8.6	.....	.....	.....	12	9	42	5.5	22	72
VV-5	C. L. Rhodes	6-24-66	Tmu	71	.....	.07	....	....	.....	....	2	0	.....	6.4	.....	.....	.....	8	6	49	6.1	21	70
VV-6	Gulf Telephone Co	6-18-66	Tmu	110	.....	.08	....	....	.....	....	4	0	.....	6.8	.....	.....	.....	8	5	44	5.5	21	70
WW-1	Fairhope Hatchery	6-24-66	Tmu	70	.....	.27	....	....	.....	....	4	0	.....	8.4	.....	.....	.....	20	17	53	6.6	21	70
WW-3	T. A. Bishop	5-12-66	Tmu	120	.....	.13	....	....	.....	....	4	0	.....	7.4	.....	.....	.....	10	7	30	5.6	21	69
WW-4	L. H. Harris	5-13-66	Tmu	145	.....	.15	....	....	.....	....	4	0	.....	8.4	.....	.....	.....	20	17	53	6.6	21	70
WW-5	....do	5-13-66	Tmu	300	.....	1.3	....	....	.....	....	44	0	.....	15	.....	.....	.....	15	0	128	6.5	22	71
XX-4	H. B. Bentley	6-24-66	Tmu	155	.....	1.1	....	....	.....	....	10	0	.....	6.6	.....	.....	.....	8	0	35	6.8	21	70
YY-2	F. A. Lipscomb	6-27-66	Tmu	50	.....	.02	....	....	.....	....	2	0	.....	5.6	.....	.....	.....	8	6	29	5.6	21	70
YY-9	Bon Secour Fisheries	8- 5-66	Tmu	220	.....	.....	....	....	.....	....	4	0	.....	4.8	.....	.....	.....	8	5	38	5.4	22	72
ZZ-4	W. R. Allen	6-27-66	Tmu	34	.....	.07	....	....	.....	....	6	0	.....	7.6	.....	.....	.....	8	3	42	6.0	19	67
AAA-1	A. Leiterman	7-13-66	Tmu	69	.....	.05	....	....	.....	....	4	0	.....	15	.....	.....	.....	30	27	112	5.6	21	70
AAA-2	R. E. Stacey	6-24-66	Tmu	152	.....	5.2	....	....	.....	....	10	0	.....	4.8	.....	.....	.....	8	0	43	6.1	21	70
AAA-6	T. E. Bryant	7-13-66	Tmu	93	.....	.20	....	....	.....	....	4	0	.....	6.2	.....	.....	.....	5	2	42	5.6	21	70
AAA-8	S. A. Graham	7-13-66	Tmu	22	.....	.33	....	....	.....	....	4	0	.....	6.0	.....	.....	.....	5	2	37	5.3	23	73
AAA-14	T. H. Clark	7-12-66	Tmu	41	.....	.03	....	....	.....	....	2	0	.....	18	.....	.....	.....	15	13	81	5.5	21	69
BBB-1	A. D. Helms	6-16-66	Tmu	48	.....	.38	....	....	.....	....	6	0	.....	5.2	.....	.....	.....	10	5	27	6.0	22	72
BBB-8	C. W. Bear	6-16-66	Tmu	197	.....	.66	....	....	.....	....	6	0	.....	4.6	.....	.....	.....	15	10	36	5.6	22	72
BBB-13	H. T. Baskin	6-17-66	Tmu	25	.....	.56	....	....	.....	....	6	0	.....	6.6	.....	.....	.....	10	5	42	5.7	21	69
CCC-1	Gulf Telephone Co	7-12-66	Tmu	40	.....	1.3	....	....	.....	....	6	0	.....	14	.....	.....	.....	8	3	63	5.8	22	71
CCC-9	W. G. and P. Gilcrist	7-11-66	Tmu	750	.....	.17	....	....	.....	....	618	0	.....	2,500	.....	.....	.....	160	0	8,190	7.8	22	72
Do.	....do	9-19-66	Tmu	750	14	.18	23	23	1,800	21	560	0	10	2,550	0.7	.....	4,720	154	0	8,360	6.8	..	..
DDD-2	M. Lawrenz, Jr	7-12-66	Tmu	120	.....	.03	....	....	.....	....	4	0	.....	11	.....	.....	.....	8	5	48	5.4	21	70
DDD-3	Summerdale Waterworks	3-14-66	Tmu	94	.....	2.2	....	....	.....	....	3	0	.....	14	.....	.....	.....	10	8	50	5.4	21	70
DDD-8	H. E. Bryant	8- 5-66	Tci	41	.....	.36	....	....	.....	....	14	0	.....	7.4	.....	.....	.....	2	0	49	6.0	22	71
DDD-15	L. Maisel	7- 5-66	Tmu	108	.....	1.3	....	....	.....	....	6	0	.....	25	.....	.....	.....	18	13	105	5.7	22	72
DDD-16	R. E. Poore	7-16-66	Tmu	369	.....	12	....	....	.....	....	20	0	.....	63	.....	.....	.....	45	29	244	6.1	22	72
DDD-17	State of Alabama	7- 1-66	Tci	44	.....	.50	....	....	.....	....	66	0	.....	52	.....	.....	.....	65	11	277	7.1	20	68
EEE-2	C. and L. Likens	6-22-66	Tmu	173	.....	1.1	....	....	.....	....	2	0	.....	5.6	.....	.....	.....	8	6	47	5.5	22	72
EEE-7	B. Terry	6-29-66	Tci	17	.....	.34	....	....	.....	....	2	0	.....	9.8	.....	.....	.....	12	10	54	5.6	21	69
EEE-9	Mrs. G. C. Meyers	7-15-66	Tmu	87	.....	2.7	....	....	.....	....	44	0	.....	6.2	.....	.....	.....	32	0	87	6.4	22	72
FFF-2	A. S. Blalack	6-29-66	Tci	41	.....	1.4	....	....	.....	....	162	0	.....	10	.....	.....	.....	135	2	274	7.5	22	71
FFF-3	A. A. Mauldin	6-29-66	Tmu	105	.....	2.1	....	....	.....	....	162	0	.....	26	.....	.....	.....	135	2	319	7.2	21	70
GGG-4	W. M. Apple	6-29-66	Qal	15	.....	.08	....	....	.....	....	136	0	.....	320	.....	.....	.....	188	76	1,260	7.3	22	71
HHH-1	State of Alabama	6-28-66	Tmu	1,523	.....	.84	....	....	.....	....	380	0	.....	7,440	.....	.....	.....	912	60	20,700	7.6	28	82
HHH-4	U.S. Coast Guard	7-28-66	Qal	31	.....	.26	....	....	.....	....	228	0	.....	27	.....	.....	.....	202	15	432	7.8	22	71

[1] Calculated.
[2] International Filter Company analysis.
[3] Gulf Coast Laboratories Inc. analysis.
[4] Law and Company analysis.
[5] Alabama Department of Public Health analysis. Sample from a depth of 132 feet.
[6] A. W. Williams Inspection Company analysis. Sample from a depth of 429 feet.
[7] A. W. Williams Inspection Company analysis. Sample from a depth of 633 feet.

Table 5.—*Chemical analyses of water from streams in Baldwin County*

(Station numbers correspond with those on water availability map.)

Number	Station name	Date of collection	Stream discharge (mgd)	Milligrams per liter: Bicarbonate (HCO_3)	Carbonate (CO_3)	Chloride (Cl)	Hardness as $CaCO_3$: Calcium, magnesium	Hardness as $CaCO_3$: Noncarbonate	Specific conductance (micromhos at 25° C)	pH	Temperature °C	Temperature °F
2-3762.40	Dyas Creek near Dyas.	10- 4-66	7.7	4	0	3.6	5	2	18	7.0	17	63
2-3765.00	Perdido River near Barrineau Park.	10- 5-66	193	6	0	3.6	5	0	17	6.4	19	67
2-3775.00	Styx River near Loxley.	9-14-65	88.5	4	0	8.0	10	7	22	6.3	24	76
		10-13-65	99.5	4	0	5.2	5	2	21	7.7	21	70
		11-17-65	69.8	2	0	4.6	10	8	23	7.1	17	62
		12-29-65	64.2	4	0	4.2	8	5	21	7.6	12	53
		2-15-66	378	2	0	4.6	8	6	26	7.4	13	55
		3-28-66	69.8	8	0	4.6	10	3	26	7.4	16	61
		5-11-66	30.3	4	0	4.0	5	2	25	7.2	19	67
		6-23-66	76.9	2	0	4.0	8	6	21	6.7	21	70
		7-26-66	89.2	2	0	3.4	5	3	22	7.2	26	78
		8-31-66	165	4	0	3.6	10	7	24	6.1	23	74
		10- 5-66	34.6	4	0	3.8	2	0	21	7.1	22	71
		11-17-66	114	2	0	4.4	2	0	25	5.4	15	59
		12-29-66	118	2	0	4.4	8	6	26	5.7	7	45
2-3775.50	Hollinger Creek near Gateswood.	10- 5-66	23.8	6	0	7.8	5	0	38	6.3	23	73
2-3779.75	Blackwater River above Seminole.	10- 5-66	54.7	8	0	5.8	5	0	33	7.1	18	65
2-3783.00	Magnolia River near Foley.	10- 4-66	14.4	8	0	6.6	10	3	41	6.4	19	66
2-3784.10	Fish River near Daphne.	10- 4-66	22.0	4	0	4.8	2	0	21	7.4	19	66
2-3785.00	Fish River near Silver Hill.	9-14-65	50.0	12	0	6.0	22	12	38	6.8	22	71
		10-13-65	63.5	4	0	6.4	10	7	28	6.3	20	68
		11-17-65	53.3	4	0	5.2	12	9	25	7.3	18	64
		12-30-65	50.9	6	0	5.2	10	5	25	7.6	15	59
		2-15-66	91.1	4	0	5.8	8	5	30	7.7	14	58
		3-28-66	53.3	10	0	4.8	8	0	29	7.5	17	62
		5-11-66	46.0	4	0	4.0	8	5	24	7.3	18	64
		6-21-66	43.2	6	0	4.0	8	3	23	6.9	21	69
		7-26-66	52.5	6	0	4.0	10	5	23	7.2	22	72
		8-31-66	82.1	2	0	3.4	8	6	24	6.5	22	71
		10- 4-66	41.9	4	0	5.0	5	2	22	6.2	19	66
		11-17-66	56.4	6	0	4.8	5	0	26	6.0	13	56
		12-29-66	66.6	4	0	4.8	5	2	25	6.0	8	46
2-4296.05	Little River near Little River.	10- 4-66	63.1	6	0	4.0	5	0	18	7.3	19	66
2-4296.28	Turkey Creek near Blacksher.	10- 4-66	3.9	4	0	4.0	2	0	15	6.3	17	62
2-4296.50	Majors Creek near Tensaw.	10- 4-66	13.2	6	0	3.2	5	0	21	6.4	20	68
2-4710.33	Bay Minette Creek near Stapleton.	10- 4-66	14.5	4	0	11	5	2	47	6.5	18	65
2-4710.36	Whitehouse Creek near Bromley.	10- 4-66	3.6	4	0	6.0	4	1	20	6.9	17	63
2-4705.00	Mobile River near Mt. Vernon.	10- 6-66	.....	66	0	13	60	4	178	7.7	23	73
		4- 5-67	.....	46	0	11	45	7	140	7.4	21	70