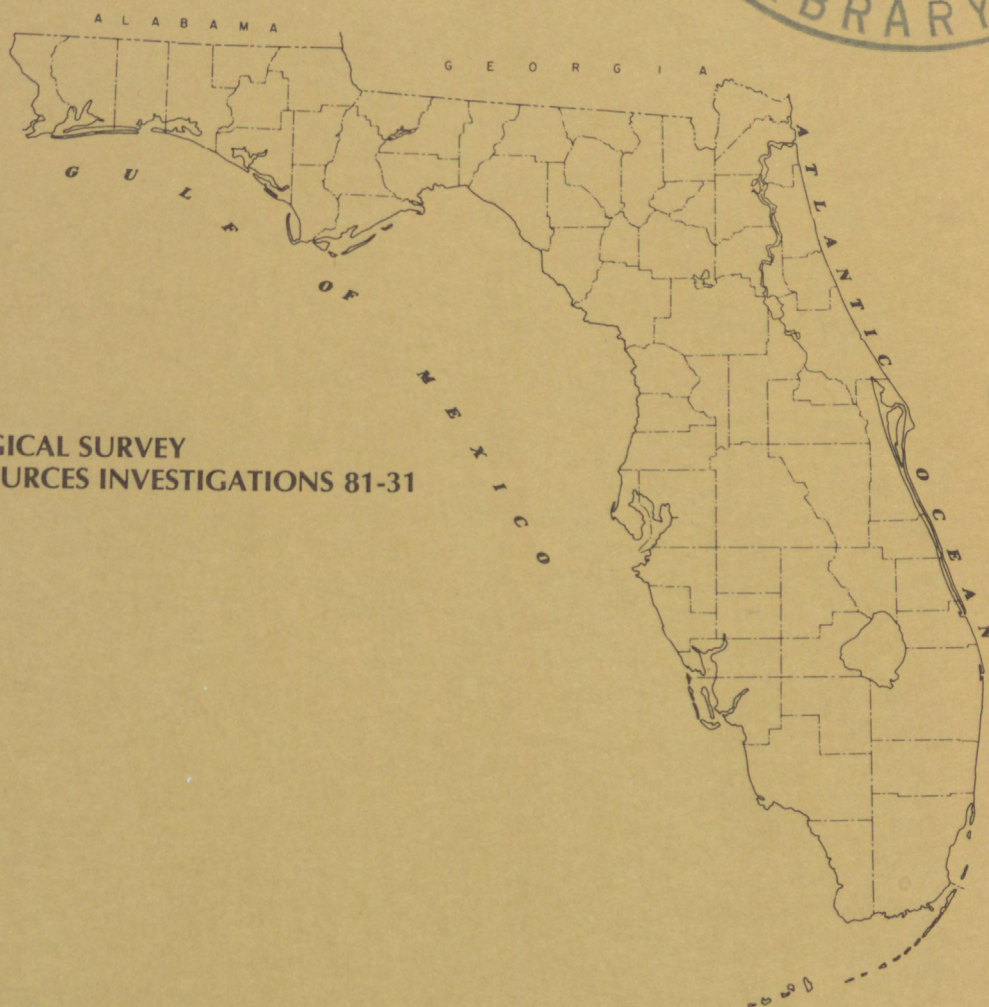
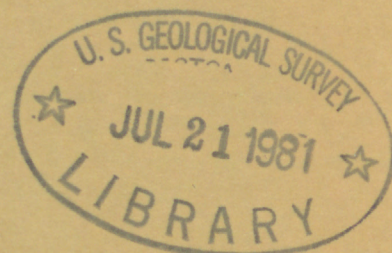


CHEMICAL, PHYSICAL, AND RADIOLOGICAL QUALITY OF SELECTED PUBLIC WATER SUPPLIES IN FLORIDA, FEBRUARY-APRIL 1980



U.S. GEOLOGICAL SURVEY
WATER-RESOURCES INVESTIGATIONS 81-31

Prepared in cooperation with the

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
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<p>Most public water supplies sampled in Florida meet the maximum contaminant levels established by the National Interim Primary and Secondary Drinking Water Regulations. This conclusion is based on a water-quality reconnaissance of 126 raw and treated public supplies sampled throughout the State during the period February through May 1980.</p> <p>In a few of the public water supplies sampled this year, maximum contaminant levels established by primary drinking water regulations were exceeded for fluoride (two sites), mercury (one site), and radionuclides (three sites). Secondary standards also were occasionally exceeded in some public supplies for the following parameters: pH, color, dissolved solids, chloride, iron, and sulfate. Measured values for copper and manganese slightly exceeded the secondary standards at one site each. These secondary standards, however, are all related more to the esthetic quality of drinking water than to public health concerns.</p>				
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CHEMICAL, PHYSICAL, AND RADIOLOGICAL QUALITY OF
SELECTED PUBLIC WATER SUPPLIES IN FLORIDA,

FEBRUARY-APRIL 1980

By Bernard J. Franks and G. A. Irwin

ABSTRACT

Water from most public water supplies sampled in Florida meets the standards established by the National Interim Primary Drinking Water Regulations and National Secondary Drinking Water Regulations. This conclusion is based on a water-sampling reconnaissance of 126 raw and treated public supplies sampled throughout the State during the period February-April 1980.

In a few of the public water supplies sampled in 1980, maximum contaminant levels established by primary standards were exceeded for fluoride (two sites), mercury (one site), and radionuclides (three sites). Secondary standards also were occasionally exceeded in some public supplies for the following parameters: pH, color, dissolved solids, chloride, iron, and sulfate. Measured values for copper and manganese slightly exceeded the secondary standards at one site each. These secondary standards, however, are all related more to the esthetic quality of drinking water than to public health concerns.

INTRODUCTION

Since the 1974 adoption of Public Law 93-523, the "Safe Drinking Water Act," the quality and dependability of the Nation's drinking water has been subject to increasing scrutiny. Public Law 93-523 is a Federal Act; however, primacy under the act becomes the responsibility of individual states upon their request to, and approval by, the U.S. Environmental Protection Agency. The State of Florida, having assumed primacy, designated the Department of Environmental Regulation, Bureau of Drinking Water and Special Programs, as the agency responsible for coordinating all public drinking water supply activities in the State.

In July 1976, the Department of Environmental Regulation and the U.S. Geological Survey entered into a cooperative hydrologic investigation to evaluate the water quality of selected public supplies in Florida. As an initial endeavor during August-September 1976, both the untreated (raw) and treated (after processing by treatment plant) waters from 127 public supplies were sampled throughout the State (Irwin and Healy, 1978). The sampling emphasis was on the chemical parameters designated in the National Interim Primary Drinking Water Regulations. The reconnaissance had two objectives. The first objective was to determine the quality of the treated water distributed to users by selected public supply agencies. The second objective was to evaluate the quality of untreated or source waters used by those agencies. The concentration and distribution of many chemical constituents determined during this reconnaissance were previously unknown for many parts of Florida.

A second sampling reconnaissance of Florida's public water supplies was conducted during November 1977-February 1978 (Irwin and Hull, 1979). The scope of the reconnaissance for 1977-78 was essentially the same as for the 1976 sampling, except for a significant increase in the number of water-quality parameters. Additional analytical data for 1977-78 included selected secondary drinking water regulation parameters at all sites and gross radioactivity at selected sites.

During the period January-May 1979, a third sampling reconnaissance was made (Franks and Irwin, 1980). A total of 131 public water supplies were sampled. Of this total, 110 were treated ground-water supplies and 21 were surface-water supplies (both raw and treated waters). Analyses of samples collected at each site included all major inorganic constituents as well as selected physical properties, trace elements, pesticide compounds, and gross alpha and beta radioactivity.

DESCRIPTION OF THE 1980 SAMPLING PROGRAM

The February-April 1980 sampling program was the concluding effort in the water-quality reconnaissance of selected public water supplies in Florida. A total of 126 public systems were sampled; 106 were ground-water supplies and 20 were surface-water supplies. Both treated and raw waters were collected at each site. Most parameters included in the National Primary Drinking Water Regulations and the National Secondary Drinking Water Regulations were analyzed in the treated samples, except herbicides and pesticides. Specifically, samples of treated waters were

analyzed for all major inorganic constituents, as well as for selected physical properties, trace elements, and gross alpha and beta radioactivity.

Samples of raw waters were analyzed for all major inorganic constituents and selected physical properties. A complete presentation of the 1980 analytical results begins on page 24.

As in the earlier sampling efforts in this program, both treated waters and raw waters were collected. Because the drinking water standards only apply to treated waters, raw water supplies are collected primarily for comparative purposes and for the accumulation of baseline water-quality data for the various aquifers.

The constituents of principal interest in this study were those that have either established (primary regulations) or proposed (secondary regulations) maximum contaminant levels (MCL). Lists of constituents and their respective maximum contaminant levels are as follows (U.S. Environmental Protection Agency, 1975a, 1975b, 1976a, 1976b, 1977):

National Primary Drinking Water Regulations

Constituent	Maximum contaminant level, in milligrams per liter ¹
Arsenic (As)-----	0.05
Barium (Ba)-----	1.
Cadmium (Cd)-----	.010
Chromium (Cr)-----	.05
Lead (Pb)-----	.05
Mercury (Hg)-----	.002
Selenium (Se)-----	.01
Silver (Ag)-----	.05
Fluoride (F)-----	See comments.
Nitrate (NO ₃ -N)-----	10
Turbidity (NTU)-----	See comments.
Radionuclides-----	See comments.

¹ Milligrams per liter (mg/L) may be converted to micrograms per liter (µg/L) by multiplying by 1,000.

Fluoride: The maximum contaminant level for fluoride is a function of the annual average of maximum daily air temperature for the location in which the water is used for drinking. In Florida, where mean annual temperatures range from the upper 60's in the north to as high as 78°F at Key West, the appropriate standards for fluoride are:

Temperature, in degrees Fahrenheit	Temperature, in degrees Celsius	Maximum contaminant level, in milligrams per liter
63.9 to 70.6	17.7 to 21.4	1.8
70.7 to 79.2	21.5 to 26.2	1.6

When increasing fluoride concentrations by the addition of fluoride containing compounds, State Health Department recommendations should be followed.

Turbidity: The maximum contaminant level is a monthly average of 1 nephelometric turbidity unit (NTU). With State approval, 5 turbidity units are allowed when additional units do not interfere with disinfection, maintenance of chlorine residual, or bacteriological testing.

Radionuclides: The maximum contaminant levels for gross alpha particle activity and gross beta particle activity are as follows:

a. Gross alpha particle activity (including radium-226, but excluding radon and uranium)--15 pCi/L.

It should be noted that this MCL excludes alpha particle activity due to uranium, which is normally measured as part of the gross alpha activity. If the MCL is exceeded, Federal regulations require that further analyses be run to determine the source of the radiation--radium, uranium, radon, or yet another radionuclide. If uranium is determined, its contribution to alpha activity should be subtracted from gross alpha activity for a direct comparison with the suggested MCL. If radium is measured, the applicable standard is:

b. Combined radium-226 and radium-228; 5 pCi/L.

c. The average annual concentration of beta particle and photon radioactivity from manmade radionuclides in drinking water shall not produce an annual dose equivalent to the total body or any internal organ greater than 4 millirem per year (rem, roentgen equivalent man).

In order to compare the measured value for gross beta particle activity (in pCi/L) to the recommended MCL (in rem units), the average annual concentration should not exceed 50 pCi/L.

If this MCL is exceeded, Federal regulations require that further analyses be run to determine the major beta particle contaminants.

Selected Constituents for Secondary Drinking Water Regulations

Constituent	Maximum contaminant level in milligrams per liter, except as indicated
Chloride (Cl)-----	250
Color (Pt-Co units)-----	15
Copper (Cu)-----	1.
Iron (Fe)-----	.3
Manganese (Mn)-----	.05
pH (units)-----	6.5-8.5
Sulfate (SO ₄)-----	250
Dissolved solids-----	500
Zinc (Zn)-----	5.

METHODS AND PROCEDURES

Analytical Methods

The methods used in analyzing water for the parameters cited in this report are described in Goerlitz and Brown (1972) and Skougstad and others (1979). Equivalency between methods of the U.S. Geological Survey and the U.S. Environmental Protection Agency for Public Law 92-500 is documented in section 304(g) amended, Public Law 92-500, Federal Register, December 1, 1976, and in the Federal Register, December 18, 1979. A summary of procedures for sample treatment and methods of analysis for selected chemical constituents and physical properties is given in table 1. Specifically regarding Public Law 93-523, the Geological Survey also considers these methods to be equivalent to the methods prescribed by the Environmental Protection Agency for determining compliance with the maximum contaminant levels of the "Safe Drinking Water Act."

Procedures for Sample Treatment and Analytical Services

Field treatment of water samples was performed as required at the time of sampling. As soon as possible after collection, most samples were transported to the U.S. Geological Survey Central Water Quality Laboratory in Doraville, Ga. The radiochemical samples were sent to the U.S. Geological Survey Radiochemical Laboratory in Arvada, Colo., for subsequent analysis.

Table 1.--Summary of procedures for sample treatment and methods of analysis for selected chemical constituents and physical properties

Chemical constituent or physical property	Sample treatment	Analytical method
Silica, dissolved (SiO ₂)	Filtered, 0.45-μm membrane filter, acidified 1:1 HNO ₃ to pH <2.	Colorimetry, molybdate blue.
Calcium, dissolved (Ca)	do.	Atomic absorption.
Magnesium, dissolved (Mg)	do.	Do.
Sodium, dissolved (Na)	do.	Do.
Potassium, dissolved (K)	do.	Do.
Strontium, dissolved (Sr)	do.	Do.
Sulfate, dissolved (SO ₄)	Filtered, 0.45-μm membrane filter.	Automated methyl thymol blue.
Chloride, dissolved (Cl)	do.	Automated ferric thiocyanate.
Fluoride, dissolved (F)	do.	Automated ion selective electrode.
Nitrate, total (NO ₃ -N)	Chilled to 4°C.	Colorimetric, automated cadmium reduction.
Nitrite, total (NO ₂ -N)	do.	Colorimetric, automated diazotization.
Dissolved solids (residue at 180°C)	Filtered-untreated, 0.45-μm membrane filter.	Gravimetric.
Specific conductance (μmho/cm at 25°C)	None, measured on site.	Wheatstone bridge.
pH (standard units)	do.	Electrometric.
Color (Pt-Co units)	Chilled to 4°C.	Pt-Co comparison.
Hardness (Ca, Mg as CaCO ₃)	None.	Calculated.
Noncarbonate hardness as CaCO ₃	do.	Do.
Alkalinity as CaCO ₃	do.	Electrometric.
Turbidity (NTU)	None.	Nephelometric.
Arsenic, total (As)	Acidified, 1:1 HNO ₃ to pH <2.	Atomic absorption, hydride.
Barium, total (Ba)	do.	Atomic absorption.
Cadmium, total (Cd)	do.	Do.

Table 1.--Summary of procedures for sample treatment and methods of analysis for selected chemical constituents and physical properties--Continued

Chemical constituent or physical property	Sample treatment	Analytical method
Chromium, total (Cr)	Acidified, 1:1 HNO ₃ to pH <2.	Atomic absorption.
Copper, total (Cu)	do.	Do.
Iron, total (Fe)	do.	Do.
Lead, total (Pb)	do.	Do.
Manganese, total (Mn)	do.	Do.
Mercury, total (Hg)	do.	Manual cold vapor.
Selenium, total (Se)	do.	Atomic absorption hydride.
Silver, total (Ag)	do.	Atomic absorption.
Zinc, total (Zn)	do.	Do.
Gross radioactivity	Acidified, 20 ml conc. HCl per 2-L sample.	Proportional counter.

Specific conductance was generally determined both in the field and in the laboratory. The value obtained in the field was reported preferentially to that measured in the laboratory. Water temperature and pH measurements were made in the field at the time of sampling.

LOCATIONS OF SELECTED PUBLIC WATER SUPPLIES SAMPLED

The locations, by county, of the public water supplies sampled between February and April 1980 are listed in table 2. Table 2 also gives a figure number reference by which each sampling site may be located on one of the four maps presented in this section (figs. 1-4).

There are three page number references associated with each site in table 2. The first number refers to the initial page of water-quality data for treated supplies; the second, to the initial page of water-quality data for raw supplies; and the third, to the initial page of site data for treated water. All are located in the "Supplementary Data" section beginning on page 24.

Because of the size of some distribution systems, three sites have had raw water samples collected in one county and treated waters sampled in a second county:

<u>Site</u>	<u>Raw water</u>	<u>Treated water</u>
Boca Grande	Charlotte	Lee
Cocoa	Orange	Brevard
Haines City	Hillsborough	Polk

Data from these sites are summarized in table 2 under Lee, Brevard, and Polk Counties, respectively.

RESULTS

Summaries of analyses for inorganic chemical constituents and physical properties, trace elements, and radiochemical data determined in this reconnaissance are given in tables 3-6. It must be emphasized that, although a single sample gives an approximation of parameter values, there is a probability that the individual sample is not representative of the water supply. In public health monitoring, results from a single sample are used primarily to indicate whether an intensive sampling inquiry is needed. Thus, the data presented in this report are primarily intended to identify that public water supplies for which additional information may be necessary.

The data listed in tables 3-6 report the minimum and maximum concentrations and the median concentration for each inorganic parameter. A cursory study of the data suggests that the ranges in measured parameter values are quite large, and are the result of sampling ground water from different hydrogeologic environments, as well as of variability in surface-water samples of stream discharge. In some samples, local environmental conditions could increase the concentration of certain parameters.

Table 2.--Locations of public water supply sampling sites and the initial page where water-quality data are given

County	Figure no.	Site	Page
Alachua	2	Gainesville	25, 41, 53
Baker	2	Macclenny	37, 41, 53
Bay	1	Bay County Water System (surface)	25, 50, 53
		Lynn Haven	25, 41, 53
Brevard	3	Cocoa	25, 41, 53
		Melbourne	25, 41, 53
		Melbourne (surface)	25, 41, 53
		Mims (surface)	25, 50, 53
Broward	4	Fort Lauderdale	37, 41, 53
		Sunrise	25, 41, 53
Calhoun	1	Blountstown	25, 41, 53
Charlotte	4	Alligator Utilities	25, 41, 53
		Punta Gorda (surface)	25, 41, 53
Citrus	3	Inverness	25, 41, 53
Clay	2	Orange Park (Meadowbrook)	25, 41, 53
		Green Cove Springs	25, 41, 53
Collier	4	Capri Water Works, Inc.	37, 41, 53
		Everglades Shore-Ochopee Water System	25, 41, 53
		Hitching Post Mobile Home Park	25, 41, 53
		Immokalee	25, 41, 53
		Marco Island (surface)	25, 41, 53
Columbia	2	Lake City	25, 41, 53
Dade	4	Miami, Orr Plant	25, 41, 53
De Soto	4	Arcadia	25, 41, 53
Dixie	2	Cross City	25, 41, 53
Duval	2	Atlantic Beach	25, 41, 53
		Atlantic Dry Docks, Inc.	25, 41, 53
		Baldwin	25, 41, 53
		Blount Island	25, 41, 53
		Jacksonville DER	25, 41, 53
		Jacksonville Beach	25, 41, 53
		Jacksonville International Airport	25, 41, 54
		Mayport	25, 41, 54
Escambia	1	Pensacola	25, 41, 54
Flagler	3	Flagler Beach	25, 41, 54
Franklin	1	Apalachicola	25, 41, 54
Gadsden	2	Quincy Creek (surface)	25, 41, 54
Gilchrist	2	Trenton	25, 41, 54
Glades	4	Brighton Seminole Indian Reservation	25, 50, 54
		Lakeport	25, 41, 54
		Moore Haven	25, 41, 54

Table 2.--Locations of public water supply sampling sites and the initial page where water-quality data are given--Continued

County	Figure no.	Site	Page
Gulf	1	Port Saint Joe (surface)	25, 44, 54
		Wewahitchka	25, 41, 54
Hamilton	2	Jasper	29, 44, 54
Hardee	4	Wauchula	29, 44, 54
Hendry	4	Clewiston (surface)	29, 44, 54
		Port Labelle	29, 44, 54
Hernando	3	Brooksville	29, 44, 54
Highlands	4	Sebring County Estates Sanitation Dept.	29, 44, 54
		Spring Lake Sanitation District	29, 44, 54
Hillsborough	3	Brandon	29, 44, 54
		Morris Bridge Well Field	29, 44, 54
		Tampa (surface)	29, 44, 54
Holmes	1	Bonifay	29, 44, 54
Indian River	3	Vero Beach	29, 44, 54
Jackson	1	Marianna	29, 44, 54
Jefferson	2	Monticello	29, 44, 54
Lafayette	2	Mayo	29, 44, 54
Lake	3	Clermont	29, 44, 54
		Eustis	29, 44, 55
		Leesburg	29, 44, 55
		Mount Dora	29, 44, 55
		Tavares	29, 44, 55
Lee	4	Boca Grande	29, 44, 55
		Cape Coral	29, 44, 55
		Fort Myers (surface)	29, 44, 55
		Imperial Harbor Corporation	29, 44, 55
		Lee County Water System (surface)	29, 44, 55
		Oak Park Mobile Home Village	29, 44, 55
		River Lawn Mobile Home Park	29, 44, 55
		Tahiti Mobile Home Park	29, 44, 55
Leon	2	Tallahassee	29, 44, 55
Levy	3	Chiefland	29, 44, 55
Liberty	1	Bristol	29, 44, 55
Madison	2	Madison	29, 44, 55
Manatee	4	Bradenton (surface)	29, 44, 55
		Manatee County Water System (surface)	29, 44, 55
Marion	3	Belleview	29, 44, 55
Martin	4	Indiantown	29, 44, 55
		Stuart	29, 44, 55
Monroe	4	Rock Harbor	29, 47, 55

Table 2.--Locations of public water supply sampling sites and the
initial page where water-quality data are given--Continued

County	Figure no.	Site	Page
Nassau	2	Amelia Island	29, 47, 55
		Fernandina Beach	29, 47, 55
		Hilliard	33, 47, 55
Okaloosa	1	Crestview	33, 47, 55
Okeechobee	4	Okeechobee (surface)	33, 47, 55
Orange	3	Maitland	33, 47, 55
		Orlando	33, 47, 56
		Winter Park	33, 47, 56
		Zellwood	33, 47, 56
		Reedy Creek Improvement District	33, 47, 56
Osceola	3	Saint Cloud	33, 47, 56
Palm Beach	4	Belle Glade (surface)	33, 47, 56
		Bryant (surface)	33, 47, 56
		Jupiter	33, 47, 56
		Pahokee (surface)	33, 47, 56
		South Bay (surface)	33, 50, 56
Pasco	3	Hudson Community Water Works	33, 57, 56
		New Port Richey	33, 47, 56
Pinellas	3	Clearwater	33, 47, 56
Polk	3	Bartow	33, 47, 56
		Haines City	33, 47, 56
		Lakeland	33, 47, 56
		Winter Haven	33, 47, 56
Putnam	2	Crescent City	33, 47, 56
		Palatka	33, 47, 56
St. Johns	2	Anastasia DER	33, 47, 56
		Saint Augustine (surface)	33, 47, 56
		Saint Johns Utilities	33, 47, 56
St. Lucie	4	Fort Pierce	33, 47, 56
Santa Rosa	1	Milton	33, 47, 56
Sarasota	4	Englewood	33, 47, 56
		North Port Charlotte (surface)	33, 47, 56
		Venice (2 sites)	33, 47, 56
Seminole	3	Casselberry	33, 47, 57
		Sanford	33, 47, 57
Sumter	3	Wildwood	33, 47, 57
Suwannee	2	Branford	33, 47, 57
Taylor	2	Perry	33, 47, 57
Union	2	Lake Butler	33, 47, 57
Volusia	3	Daytona Beach	33, 50, 57
		Deland	33, 50, 57
Wakulla	2	Crawfordville	37, 50, 57
Walton	1	Defuniak Springs	37, 50, 57
Washington	1	Chipley	37, 50, 57

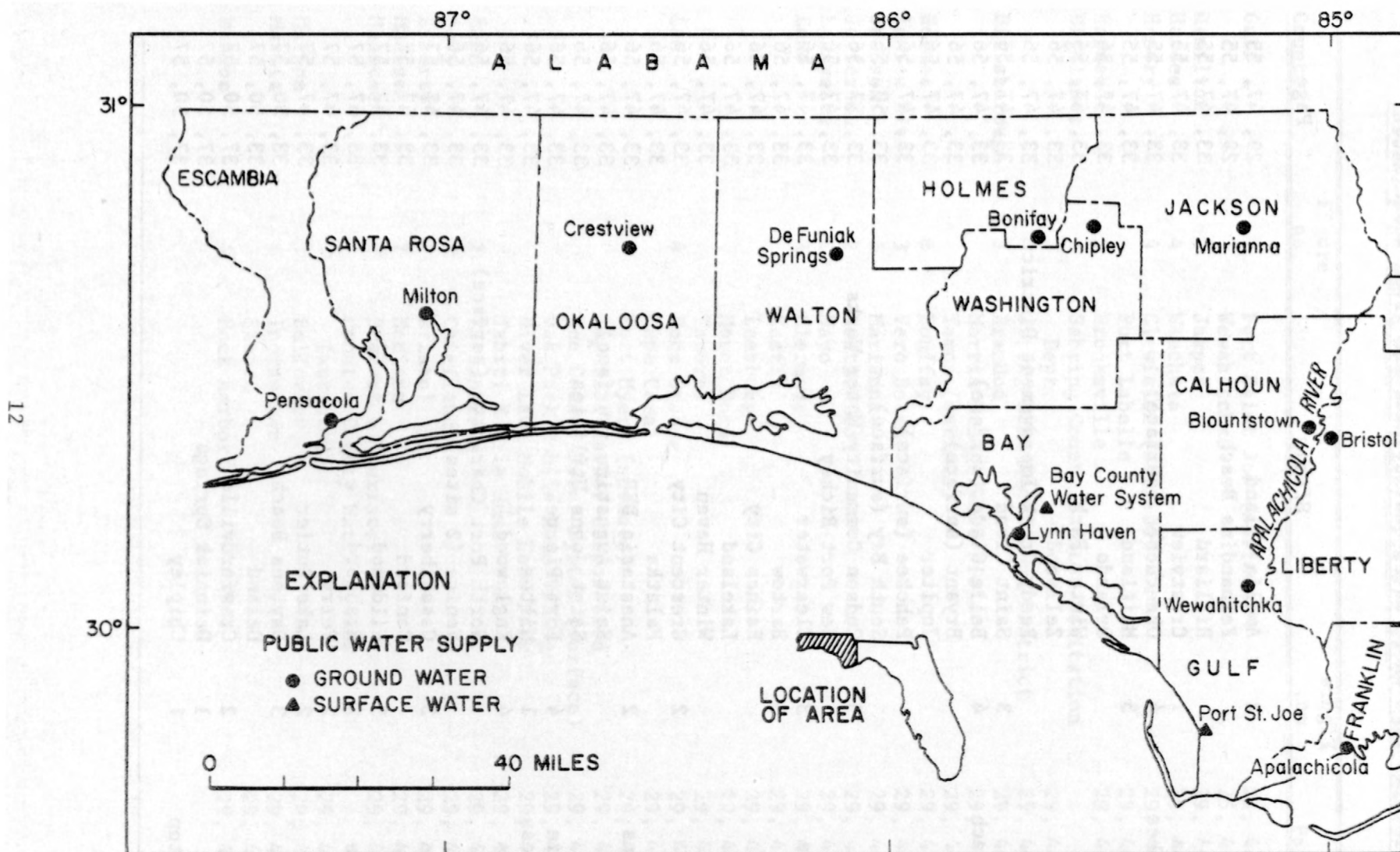


Figure 1.--Locations of public water-supply sampling sites in northwest Florida.

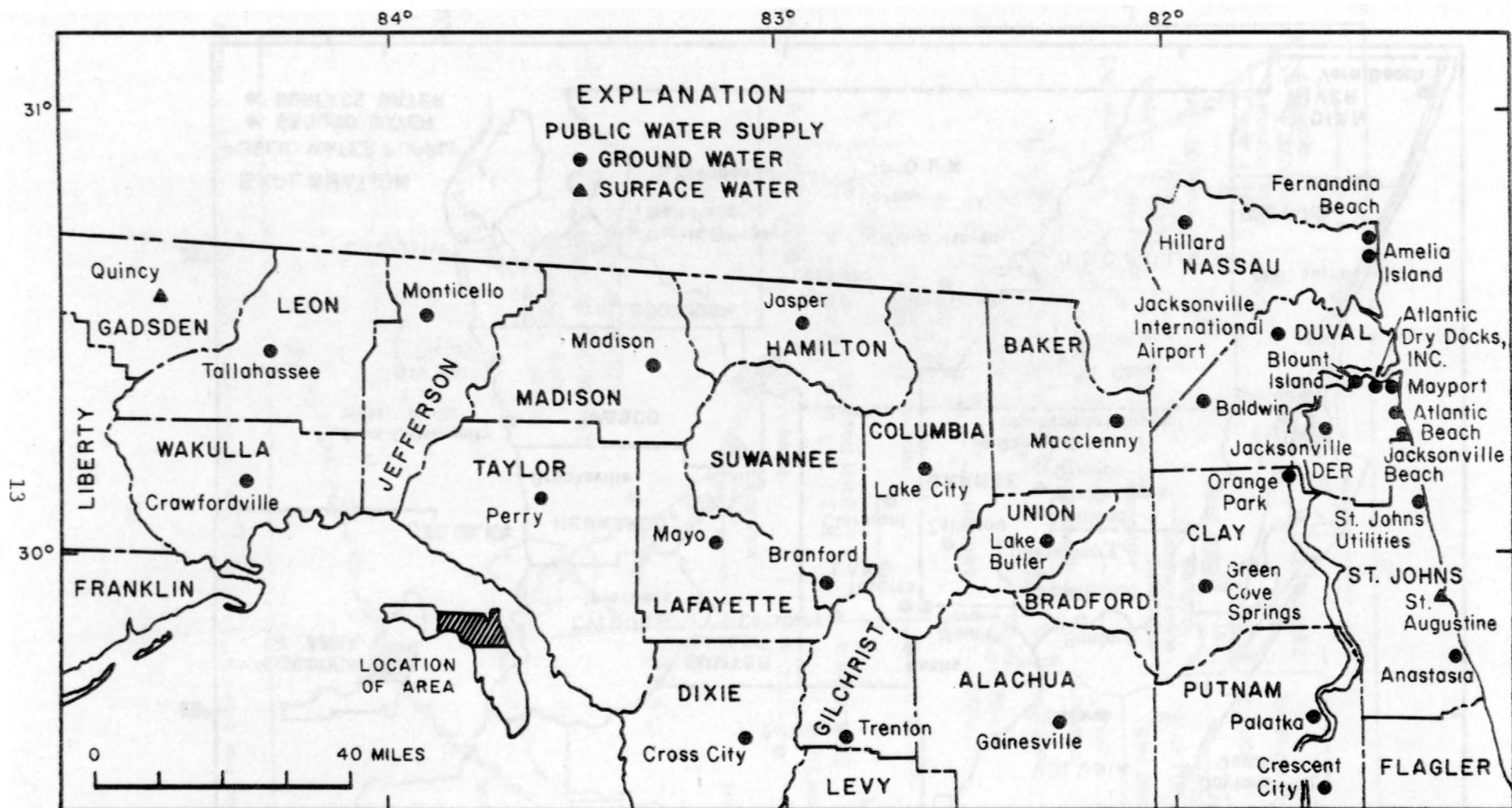


Figure 2.--Locations of public water-supply sampling sites in north and northeast Florida.

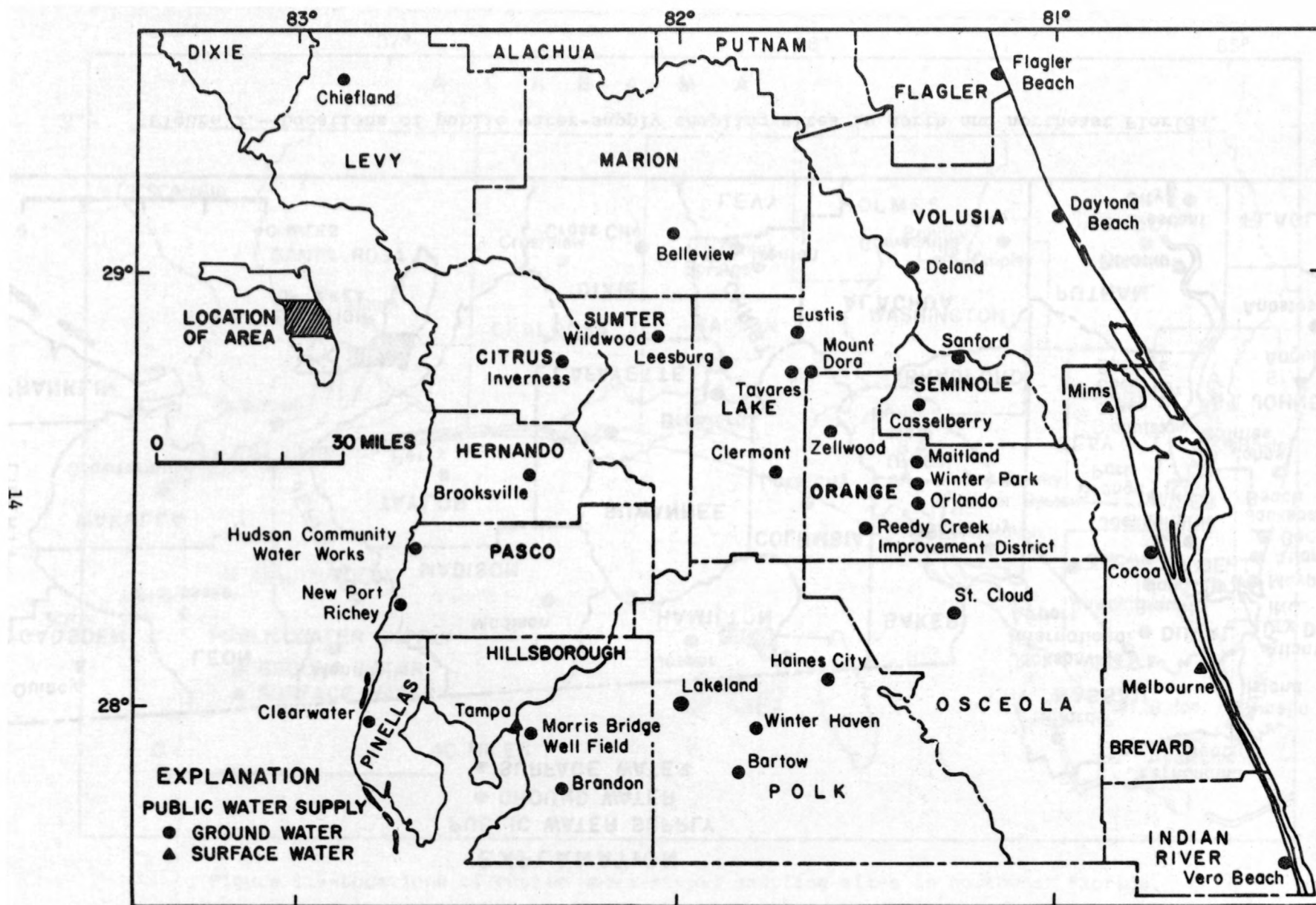


Figure 3.--Locations of public water-supply sampling sites in central and central-coastal Florida.

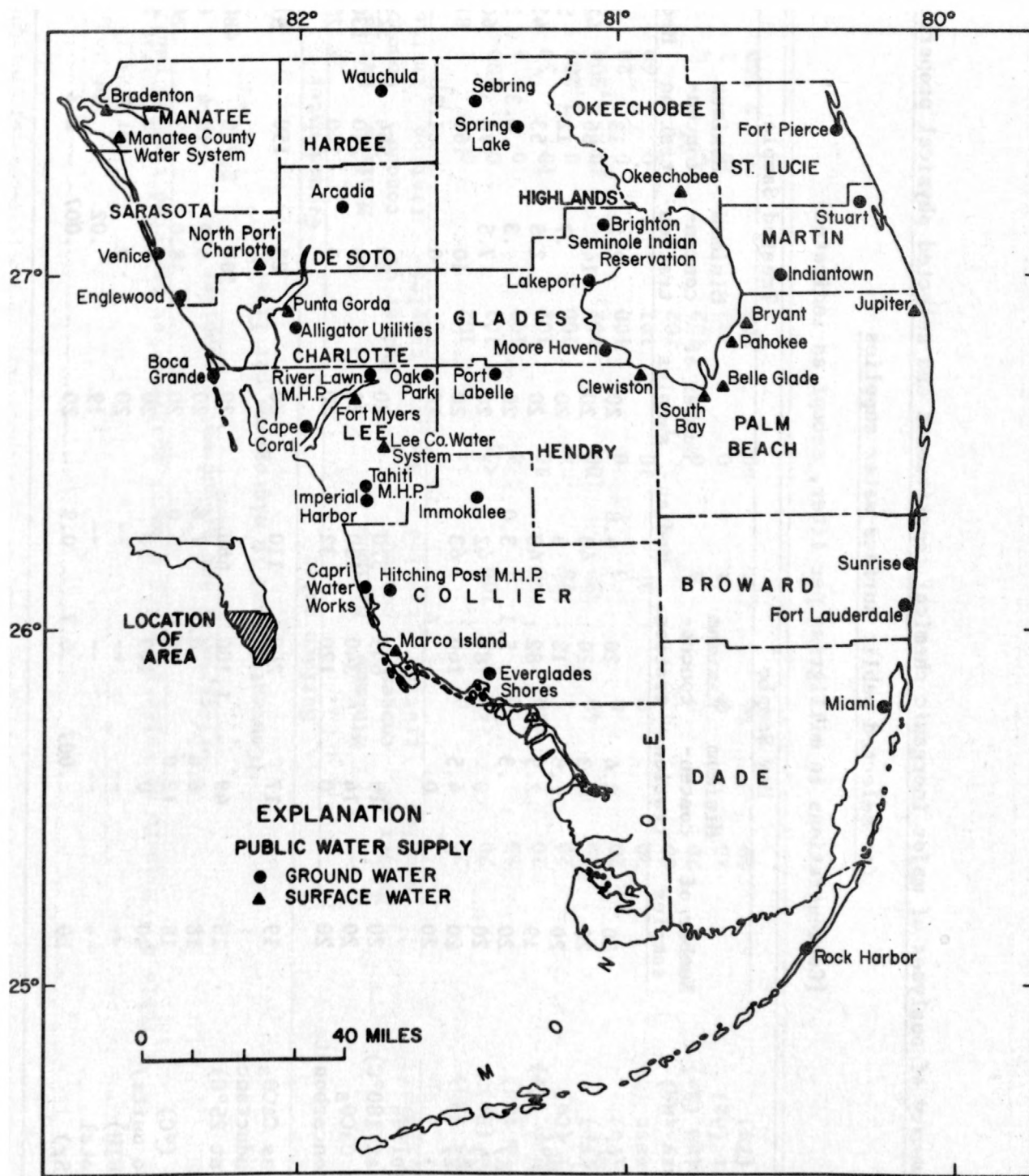


Figure 4.--Locations of public water-supply sampling sites in south and south-coastal Florida.

Table 3.--Summary of analyses of major inorganic chemical constituents and selected physical properties
for selected public surface-water supplies

[Concentrations in milligrams per liter, except as indicated]

Constituent	Raw Sample				Treated Sample			
	Number of samples	Minimum concentration	Maximum concentration	Median	Number of samples	Minimum concentration	Maximum concentration	Median
Silica (SiO ₂)	20	2.4	20	4.8	20	2.2	13	5.1
Calcium (Ca)	20	4.3	120	40	20	14	86	42
Magnesium (Mg)	20	.8	18	9	20	.7	12	5.0
Sodium (Na)	19	2.5	82	40	20	2.5	53	43
Potassium (K)	20	.3	5.1	3.0	20	.3	6.3	3.5
Sulfate (SO ₄)	20	0	87	42	20	7.5	170	60
Chloride (Cl)	20	4.5	160	63	20	10	160	87
Fluoride (F)	20	0	.4	.3	20	0	1.0	.2
Dissolved solids (residue at 180°C)	20	19	649	320	20	80	564	325
Hardness as CaCO ₃	20	14	340	150	20	38	250	130
Hardness, noncarbonate as CaCO ₃	20	0	120	32	20	0	140	78
Alkalinity as CaCO ₃	19	17	240	110	20	23	150	47
Specific conductance (µmho/cm at 25°C)	18	48	1,100	460	20	107	2,750	480
pH (units)	18	6.6	8.2	7.8	20	6.9	10.4	8.9
Temperature (°C)	18	12.0	23.0	20.0	20	18.0	23.5	20.5
Color (Pt-Co units)	20	0	140	50	20	0	5	5
Turbidity (NTU)	--	--	--	--	20	0	1.0	.3
Nitrogen, total	--	--	--	--	19	.02	.54	.18
Strontium (Sr)	20	.007	6.7	0.9	20	.007	2.3	.7

Table 4.--Summary of selected trace element analyses for selected treated public surface-water and ground-water supplies
[Concentrations in micrograms per liter]

Trace element	Surface water				Ground water			
	Number of samples	Minimum concentration	Maximum concentration	Median	Number of samples	Minimum concentration	Maximum concentration	Median
Arsenic (As)	20	0	7	1	102	0	7	1
Barium (Ba)	20	<50	100	<50	101	0	100	<50
Cadmium (Cd)	20	0	1	0	102	0	3	0
Chromium (Cr)	20	<10	30	10	102	10	30	10
Copper (Cu)	20	1	78	4	100	0	1,200	8
Iron (Fe)	20	40	330	100	102	10	3,500	80
Lead (Pb)	20	0	3	0	100	0	28	0
Manganese (Mn)	20	0	30	10	101	0	60	10
Mercury (Hg)	20	<.1	.3	.1	102	.1	.5	.1
Selenium (Se)	20	0	0	0	102	0	4	0
Silver (Ag)	20	0	1	0	102	0	1	0
Zinc (Zn)	20	10	410	40	102	10	2,500	80

Table 5.--Summary of analyses of major inorganic chemical constituents and selected physical properties
for selected public ground-water supplies

[Concentrations in milligrams per liter, except as indicated]

Parameters	Raw Sample				Treated Sample			
	Number of samples	Minimum concentration	Maximum concentration	Median	Number of samples	Minimum concentration	Maximum concentration	Median
Silica (SiO ₂)	104	4.1	51	11	103	3.2	47	5.0
Calcium (Ca)	104	.4	270	49	102	4.7	130	36
Magnesium (Mg)	104	.3	260	9.5	101	.1	72	6.0
Sodium (Na)	104	1.5	2,500	9.4	102	1.5	360	46
Potassium (K)	104	.1	28	1.1	101	.1	26	3.2
Sulfate (SO ₄)	106	0	1,200	15	102	0	370	68
Chloride (Cl)	106	2.9	4,100	11	103	3.5	640	72
Fluoride (F)	106	0	3.2	.1	103	0	2.0	.3
Dissolved solids (residue at 180°C)	103	15	8,450	295	99	36	1,410	322
Hardness as CaCO ₃	104	2	1,500	190	103	12	500	120
Hardness, noncarbonate as CaCO ₃	104	0	1,300	17	103	0	320	66
Alkalinity as CaCO ₃	106	1	350	130	103	14	280	43
Specific conductance (µmho/cm at 25°C)	104	18	14,200	410	103	17	2,600	490
pH (units)	103	5.2	8.4	7.5	102	7.4	10.3	8.6
Temperature (°C)	104	19.5	29.0	24.0	103	15.0	29.0	21.5
Color (Pt-Co units)	106	0	80	5	102	0	10	0
Turbidity (NTU)	--	--	--	--	101	0	4	1
Nitrogen, total	--	--	--	--	103	0	2.0	.04
Strontium (Sr)	104	.003	29	.37	101	.002	29	.3

**Table 6.--Summary of analyses for selected radiochemical data
from selected treated public drinking water supplies**

	Number of samples	Minimum concentration	Maximum concentration	Median
<u>Surface water</u>				
Gross alpha particle activity (pCi/L)	20	< 0.8	7.5	3.3
Gross beta particle activity (pCi/L)	20	< 1.0	10.0	4.4
<u>Ground water</u>				
Gross alpha particle activity (pCi/L)	104	< 0.8	69	2.8
Gross beta particle activity (pCi/L)	104	< 0.7	28	2.2

For most parameters, the median (middle value of a data set arranged in order of magnitude) is typically low when compared to maximum concentrations. Also the median is well below specified maximum contaminant levels for all parameters except color and pH (in raw surface-water samples). These observations suggest that other statistical measures of central tendency, such as the mean and standard deviation, will be skewed strongly toward the higher (less typical) values. For this reason and because the samples were collected from several distinct hydrogeologic environments, the median is given as the most representative measure of parameter distributions.

Public Surface-Water Supplies

Summaries of the February-April 1980 reconnaissance of the principal public surface-water supplies in the State are given in tables 3 and 4. Samples were analyzed for most parameters included in the primary and secondary drinking water regulations; analyses were also made for additional selected major inorganic chemical and physical parameters. For each supply, samples of raw and treated water were collected and analyzed. A complete data presentation for each public supply is given beginning on page 24.

No maximum contaminant levels (MCL), established by the National Primary Drinking Water Regulations, were exceeded for any of the surface-water sites for all parameters measured in the 1980 sampling program.

Secondary drinking water regulations were exceeded at several sites for pH, color, and dissolved solids. The measured value for iron exceeded the secondary drinking water suggested MCL at one site. In most samples, however, the measured parameter did not greatly exceed the MCL.

Measured values for pH in treated water exceeded the MCL at 11 sites, with a maximum value of 10.4 recorded at South Bay. Other high values for pH were: Belle Glade (10.3), Bay County Water System (10.2), Bryant and Okeechobee (9.8), Pahokee (9.7), Lee County Water System (9.6), Quincy Creek and Saint Augustine (9.2), Clewiston (9.1), and Marco Island (8.7).

Measured values of color exceeded the MCL at 17 sites (all raw). A maximum value of 140 Pt-Co units was recorded at the Manatee County Water System. Other high values for color were: Bradenton (80), Okeechobee (70), Belle Glade, Fort Myers, Bryant, Pahokee, Lee County Water System, Tampa, Melbourne, and Clewiston (50), Punta Gorda (45), South Bay (40), Quincy Creek (30), Mims and Marco Island (20), and North Port Charlotte (16).

The MCL of 500 mg/L for dissolved solids was exceeded at two sites. Treated water sampled at Punta Gorda (555) and both raw (649) and treated (564) samples from Marco Island slightly exceeded the MCL.

Treated water from the Melbourne surface-water site recorded a total iron concentration of 330 $\mu\text{g/L}$, slightly above the MCL of 300 $\mu\text{g/L}$.

Public Ground-Water Supplies

During the February-April 1980 reconnaissance, 106 public ground-water supplies were sampled (tables 4 and 5). At all sites both treated and raw waters were sampled. A majority of the sites can be characterized as communities of low population density and noncommunity facilities such as utility companies and small corporations. Samples of treated waters were analyzed for most parameters included in the primary drinking water regulations, and selected parameters from the secondary drinking water regulations, as well as for additional selected major inorganic chemical and physical parameters. Raw waters were sampled to determine major inorganic chemistry and selected physical parameters. A complete data presentation for each public supply begins on page 24.

Maximum contaminant levels established by the National Primary Drinking Water Regulations were not exceeded at any ground-water sites for most parameters measured in the 1980 sampling program. The exceptions were fluoride, mercury, and radionuclides. Fluoride was slightly in excess of the MCL at two sites--raw water from Cape Coral (2.1 mg/L) and both the raw (3.2) and treated (2.1) samples from Arcadia. Mercury was slightly in excess in treated water at Capri Water Works (0.4 mg/L). Gross alpha particle activities were found to be high in treated water at five sites (in pCi/L)--Oak Park Mobile Home Village (69), Arcadia (16.3 pCi/L), Alligator Utilities, (57.8), Tahiti Mobile Home Park (38), and Rock Harbor (<15.9).

Secondary drinking water regulation standards were exceeded at one or more sites for each of the following parameters: pH, color, dissolved solids, chloride, iron, sulfate, copper, and manganese.

Measured values for pH exceeded the MCL at two raw and nine treated sites. Raw waters sampled at Milton (6.0) and Pensacola (5.2) both recorded pH values below the recommended range of 6.5 to 8.5. At the treated sites, the maximum pH measured was 10.7 at Flagler Beach. Other high values were: Miami, Orr Plant (10.3), Capri Water Works (9.8), Fort Lauderdale (9.1), Venice and Englewood (8.8), Cocoa and Jasper (8.7), and Stuart (8.6).

Values for color above the MCL of 15 Pt-Co units were recorded at 12 ground-water sites, all raw-water samples, with a maximum value of 80 at Moore Haven. Other high values (in Pt-Co units) were: Boca Grande (55), Blountstown, Capri Water Works, and Vero Beach (50), Fort Pierce (40), Jupiter, Englewood, Dixie, and Hitching Post Mobile Home Park (30), and Sunrise and Port Labelle (20).

Dissolved solids were above the MCL at 25 sites--in raw water only at 12 sites, in treated water only at 1 site, and in both raw and treated waters at 12 sites. Values above the MCL of 500 mg/L were measured in raw waters at: Venice--deep well (2,780), Cape Coral (1,240), Melbourne (1,160), Clearwater (659), Brighton (646), Port Labelle (630), Fort Pierce (593), Jasper (567), Palatka (556), Jacksonville Beach (546), Bartow (523), and Cocoa (514). Treated water with slightly elevated dissolved solids was sampled at Hitching Post Mobile Home Park (503). Both raw and treated samples were high in dissolved solids at: Rock Harbor (8,450 and 1,240),

Alligator Utilities (2,220 and 1,330), Tahiti Mobile Home Park (1,420 and 1,410), Moore Haven (1,050 and 662), Lakeport (1,040 and 1,070) Imperial Harbor Corporation (913 and 540), Anastasia Island (908 and 634), Venice--shallow well (787 and 579), Apalachicola (743 and 740), Branford (718 and 717), Wauchula (574 and 562), and Fernandina Beach (512 and 526).

Chloride concentrations above the MCL of 250 mg/L were measured at eight sites--in raw water only at four sites and in both raw and treated water at four sites. Raw waters with elevated chloride concentrations included Cape Coral (500), Venice--deep well (470), Melbourne (440) and Imperial Harbor Corporation (280). Both raw and treated waters were high in chloride concentration at: Rock Harbor (4,100 and 640), Alligator Utilities (1,000 and 620), Tahiti Mobile Home Park (600 and 520), and Lakeport (450 and 460).

The MCL of 300 µg/L for total iron was exceeded at ten treated groundwater sites--maximum value of 770 µg/L was measured at Hitching Post Mobile Home Park. Other high values included: Mayo (670), Immokalee (630), Reedy Creek Improvement District and Saint Cloud (540), Crescent City (430), Everglades Shores-Ochopee Water System and Stuart (360), Mayport (340), and Madison (330).

The recommended MCL of 250 mg/L for sulfate was exceeded at five sites--four raw-water samples and both raw and treated waters at the fifth site. High values were recorded at: Venice--deep well (1,200), Rock Harbor (690), Anastasia (380), Venice--shallow well (300), and Branford (360 and 370).

The recommended MCL of 1.0 mg/L for copper was exceeded at one site--New Port Richey (1.2). The recommended MCL of 50 µg/L for manganese was exceeded at one site--Crescent City (60).

DISCUSSION

The U.S. Geological Survey and the Florida Department of Environmental Regulation have been conducting a cooperative water-quality reconnaissance sampling of selected public water supplies in Florida since 1976. During the four years of this cooperative effort, more than 100 water supplies have been sampled each year; most supplies, two or more times. This report summarizes the data from the most recent sampling effort.

Of the 126 sites in the 1980 program, 114 sites were sampled at least once before. Twelve sites had not been previously sampled: Miami (Orr Plant), Atlantic Dry Docks, Inc., Baldwin, Blount Island, Jacksonville International Airport, Mayport, Morris Bridge Well Field, Boca Grande, Amelia Island, Rock Harbor, Zellwood, and St. Johns Utilities. All Primary Drinking Water Regulations standards were met at these 12 sites. At two of these sites, the Secondary Drinking Water Regulation standards for a few parameters were exceeded: at Mayport, in Duval County, a value of 340 µg/L was determined for iron in the raw water sample; in Monroe County, Rock Harbor recorded high values for chloride, sulfate, and dissolved solids--all related to the saline water in the aquifer.

SELECTED REFERENCES

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- Goerlitz, D. F., and Brown, Eugene, 1972, Methods of analysis of organic substances in water: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A3, 40 p.
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- U.S. Environmental Protection Agency, 1975a, National interim primary drinking water regulations: Federal Register, v. 40, no. 51, March 14, 1975, p. 11990-11998.
- _____, 1975b, National interim primary drinking water regulations: Federal Register, v. 40, no. 248, Wednesday, December 24, 1975, Part IV, p. 59566-59587.
- _____, 1976a, Interim primary drinking water regulations - promulgation of regulations on radionuclides: Federal Register, v. 41, no. 133, Friday, July 9, 1976, Part II, p. 28402-29409.
- _____, 1976b, Guidelines establishing test procedures for the analysis of pollutants: Federal Register, v. 41, no. 232, December 1, 1976 p. 52780-52786.
- _____, 1977, National secondary drinking water regulations: Federal Register, v. 42, no. 62, Thursday, March 31, 1977, Part I., p. 17143-17147.
- _____, 1979, Guidelines establishing test procedures for the analysis of pollutants--correction: Federal Register, v. 44, no. 244, December 18, 1979, p. 75028-75052.

SUPPLEMENTARY DATA

The following data compilation is presented as a user reference document for specific sampling sites. A brief statement explaining specific items is given below:

Station Number: Identifies the location of sample collection.

At the left of the page, the 15 digit number is the latitude and longitude. For example, the city of Gainesville has station number 293654082203090, corresponding to 29°36'54" north latitude, 82°20'30" west longitude, local site number 90. Two raw surface water sites, Melbourne and Punta Gorda, are identified by an eight digit station number.

Station Name: Identifies the public water supply and community served.

County: The county in which the public water supply is located.

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER QUALITY DATA

STATION NUMBER	STATION NAME	COUNTY	GROSS ALPHA AS URANIUM NATURAL (pCi/L)	GROSS BETA AS CESIUM -137 (pCi/L)	DATE OF SAMPLE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
293654082203090	GAINESVILLE	ALACHUA	< 2.2	1.8	80-03-19	26	20	16
301429085385590	LYNN HAVEN	BAY	4.6	< 2.5	80-04-16	11	26	18
301215085370591	BAY CO. (SURFACE)	do.	< 1.4	< 1.0	80-04-16	2.6	40	1.2
281231080355290	MELBOURNE (SURFACE)	BREVARD	< 3.2	3.9	80-03-10	5.3	61	2.9
283953080504890	MIMS (SURFACE)	do.	< 3.3	< 2.6	80-03-10	7.7	86	4.4
282128080361890	COCOA	do.	< 3.3	< 2.3	80-03-26	19	21	10
260948080180601	SUNRISE	BROWARD	3.8	3.8	80-02-26	9.8	42	3.9
302640085031190	BLOUNTSTOWN	CALHOUN	< 4.1	4.7	80-04-17	17	29	17
265832081580709	PUNTA GORDA (SURFACE)	CHARLOTTE	7.5	4.4	80-02-19	2.6	68	18
265235082001109	ALLIGATOR UTILITIES	do.	57.8	28	80-02-20	11	60	50
284948082191809	INVERNESS	CITRUS	< 2.0	< 1.3	80-02-19	4.3	56	2.8
300934081424801	ORANGE PARK	CLAY	< 2.0	3.9	80-02-27	16	37	19
295943081412201	GREEN COVE SPRINGS	do.	< 1.0	0.9	80-02-27	12	22	9.9
255730081432502	MARCO ISLAND (SURFACE)	COLLIER	< 4.6	< 3.6	80-02-14	5.1	42	11
255401081175502	EVERGLADES SHORES	do.	< 4.8	4.0	80-02-14	5.2	110	7.6
260418081430002	HITCHING POST	do.	8.3	< 3.7	80-02-15	8.3	130	5.8
262436081254101	IMMOKALEE	do.	< 2.0	1.8	80-02-21	43	51	4.0
301108082372490	LAKE CITY	COLUMBIA	< 0.8	< 0.8	80-04-28	13	15	7.4
254158080225802	MIAMI, ORR PLANT	DADE	< 1.8	< 1.2	80-02-25	6.7	25	3.4
271253081502909	ARCADIA	DESOTO	16.3	6.9	80-02-19	47	18	24
293815083073390	CROSS CITY	DIXIE	< 2.8	< 2.3	80-03-31	4.1	90	10
301536081231101	JACKSONVILLE BEACH	DUVAL	< 4.3	< 3.0	80-02-26	27	73	31
301931081234901	ATLANTIC BEACH	do.	< 4.5	< 3.2	80-02-26	26	72	31
302349081253801	MAYPORT	do.	< 4.1	2.9	80-02-26	23	63	27
301748081584501	BALDWIN	do.	1.8	1.9	80-02-28	19	35	13
302321081324401	BLOUNT ISLAND	do.	< 2.6	< 2.2	80-03-03	26	62	22
302918081410201	JACKSONVILLE AIRPORT	do.	< 2.8	< 2.0	80-03-03	29	58	23
302316081274001	ATLANTIC DRY DOCK	do.	< 2.8	< 2.1	80-03-03	27	54	22
301804081365401	JACKSONVILLE DER	do.	< 2.0	< 3.0	80-03-04	25	79	28
302514087140390	PENSACOLA	ESCAMBIA	< 1.8	< 3.3	80-04-16	7.1	11	.5
293030081082890	FLAGLER BEACH	FLAGLER	< 3.2	3.3	80-03-11	18	51	.8
294339084591990	APALACHICOLA	FRANKLIN	< 8.9	9.9	80-04-17	23	66	66
303554084344891	QUINCY (SURFACE)	GADSDEN	< 0.8	1.1	80-04-15	4.8	14	.7
293653082493290	TRENTON	GILCHRIST	< 2.0	2.3	80-03-31	7.1	84	4.7
265828081074302	LAKEPORT	GLADES	<14.5	29	80-02-20	30	33	6.9
265030081053002	MOORE HAVEN	do.	<12.4	9.1	80-02-20	14	63	33
	BRIGHTON	do.	<10.4	7.9	80-02-20	--	--	--
300642085115090	WEWAHITCHKA	GULF	< 5.1	5.5	80-04-17	13	37	35
294911085180490	PORT SAINT JOE	do.	< 2.0	5.7	80-04-17	13	20	12

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	ALKA- LINITY (MG/L AS CAC03) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
GAINESVILLE	11	1.2	27	.7	55	226	120	78	38	285
LYNN HAVEN	34	2.2	53	.5	18	259	150	28	120	505
BAY CO. (SURFACE)	2.9	.3	19	.0	51	182	110	61	44	2750
MELBOURNE (SURFACE)	35	2.1	91	1.0	27	346	170	96	69	550
MIMS (SURFACE)	24	1.7	47	.1	60	348	230	84	150	625
COCOA	67	2.2	74	.8	81	332	94	53	41	540
SUNRISE	39	4.1	71	.2	66	297	120	92	30	460
BLOUNTSTOWN	60	6.1	79	.8	37	332	150	15	130	640
PUNTA GORDA (SURFACE)	90	3.3	130	.2	140	555	250	130	120	910
ALLIGATOR UTILITIES	310	10	620	1.2	120	1330	370	320	50	2270
INVERNESS	7.0	.4	16	.1	15	209	150	22	130	325
ORANGE PARK	5.7	2.2	9.5	.6	73	227	170	54	92	363
GREEN COVE SPRINGS	3.0	1.2	5.6	.2	17	115	96	20	76	202
MARCO ISLAND (SURFACE)	86	3.1	160	.1	72	564	150	130	23	790
EVERGLADES SHORES	33	1.7	62	.2	6.7	411	310	66	240	800
HITCHING POST	50	.7	87	.2	22	503	350	290	61	850
IMMOKALEE	11	1.4	14	.1	.7	213	140	14	130	310
LAKE CITY	8.5	1.0	16	.4	2.6	118	68	0	70	199
MIAMI, ORR PLANT	19	1.8	43	.8	22	154	77	50	27	285
ARCADIA	33	2.1	76	2.0	12	308	150	53	92	460
CROSS CITY	8.2	.9	12	.1	5.4	307	270	0	270	512
JACKSONVILLE BEACH	26	2.1	69	.7	140	468	310	170	140	675
ATLANTIC BEACH	27	1.9	69	.6	140	478	310	170	140	725
MAYPORT	9.3	1.6	18	.7	140	376	270	140	130	535
BALDWIN	7.7	1.3	13	.4	25	181	140	32	110	17
BLOUNT ISLAND	12	1.5	31	.6	87	352	250	110	140	530
JACKSONVILLE AIRPORT	12	1.5	26	.6	83	340	240	90	150	490
ATLANTIC DRY DOCK	17	1.6	25	.7	67	317	230	67	160	485
JACKSONVILLE DER	26	1.9	71	.6	130	460	320	180	140	710
PENSACOLA	2.6	.2	4.9	.0	.3	54	30	0	33	81
FLAGLER BEACH	50	1.7	120	.1	3.9	362	130	83	48	540
APALACHICOLA	74	10	140	1.0	140	740	450	170	280	1400
QUINCY (SURFACE)	2.5	.6	10	.1	8.3	80	38	12	26	107
TRENTON	5.8	2.1	12	.1	20	279	230	19	210	438
LAKEPORT	290	26	460	.3	37	1070	110	25	86	1950
MOORE HAVEN	97	5.4	150	.6	200	662	310	180	130	1100
BRIGHTON	--	--	--	--	--	--	370	240	130	1500
WEWAHITCHKA	50	3.9	81	1.2	110	--	240	110	130	820
PORT SAINT JOE	21	6.3	22	.8	11	177	100	0	110	--

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM COBALT UNITS) (00080)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	TUR- BID- ITY (NTU) (00076)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)
GAINESVILLE	8.4	22.5	--	380	.03	.00	.03	.40	1	100
LYNN HAVEN	8.0	23.0	0	7700	.03	.00	.03	.25	0	<50
BAY CO. (SURFACE)	10.2	22.0	0	60	.07	.00	.07	.10	0	<50
MELBOURNE (SURFACE)	7.5	23.0	5	970	.10	.01	.11	.65	0	50
MIMS (SURFACE)	7.6	23.5	0	630	.31	.01	.32	.20	2	50
COCOA	8.7	24.0	0	530	1.2	.02	1.2	.10	0	50
SUNRISE	7.3	20.5	5	570	--	--	.17	.10	1	0
BLOUNTSTOWN	7.6	20.0	0	2400	.05	.00	.05	.12	0	<50
PUNTA GORDA (SURFACE)	8.0	19.0	5	6600	.02	.00	.02	.00	0	<50
ALLIGATOR UTILITIES	6.5	21.5	5	11000	.01	.00	.01	1.0	0	<50
INVERNESS	7.5	19.0	5	100	.48	.00	.48	2.0	1	<50
ORANGE PARK	7.3	18.9	5	3000	.01	.01	.02	.00	1	<50
GREEN COVE SPRINGS	7.7	19.4	5	680	.01	.00	.01	.20	0	<50
MARCO ISLAND (SURFACE)	8.7	21.0	5	360	--	--	.07	.50	7	50
EVERGLADES SHORES	7.9	22.0	5	250	--	--	.88	.40	0	100
HITCHING POST	7.7	19.5	5	410	--	--	.10	1.0	0	50
IMMOKALEE	7.4	19.5	5	150	--	--	.03	1.5	0	50
LAKE CITY	7.2	25.0	0	50	.48	.01	.49	.15	1	<50
MIAMI, ORR PLANT	10.3	26.5	5	290	--	--	.12	.50	<2	50
ARCADIA	8.1	21.0	5	1400	.04	.00	.04	2.0	0	<50
CROSS CITY	7.4	22.0	5	70	.11	.00	.11	.90	1	50
JACKSONVILLE BEACH	7.1	21.0	5	2200	.04	.00	.04	.50	2	<50
ATLANTIC BEACH	7.2	20.5	5	2000	.02	.00	.02	.15	2	100
MAYPORT	7.3	15.5	5	1500	.04	.00	.04	.20	0	<50
BALDWIN		17.3	5	1200	.02	.00	.02	.30	0	<50
BLOUNT ISLAND	7.2	20.0	5	1400	.02	.00	.02	.30	2	<50
JACKSONVILLE AIRPORT	7.1	14.1	5	340	.04	.00	.04	.55	0	<50
ATLANTIC DRY DOCK	7.4	15.0	5	1200	.01	.00	.01	.25	3	<50
JACKSONVILLE DER	7.2	22.0	5	2800	.01	.00	.01	.25	0	<50
PENSACOLA	8.1	21.0	0	20	.73	.00	.73	.20	0	<50
FLAGLER BEACH	10.7	19.0	5	310	.03	.12	.15	.10	1	50
APALACHICOLA	7.7	20.0	0	8500	.41	.00	.41	.12	0	100
QUINCY (SURFACE)	9.2	19.0	0	50	.38	.00	.38	.80	0	<50
TRENTON	7.3	21.0	5	70	.44	.00	.44	.25	0	50
LAKEPORT	7.6	19.0	5	520	--	--	.19	4.0	0	50
MOORE HAVEN	8.0	19.5	5	14000	--	--	.06	.10	0	50
BRIGHTON	6.8	20.0	--	--	--	--	--	--	--	--
WEWAHITCHKA	8.0	22.0		5100	.04	.00	.04	.15	0	<50
PORT SAINT JOE	7.5	23.0	0	1400	.05	.00	.06	.15	0	<50

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
GAINESVILLE	0	<10	0	<.1	0	0	2	20	10	80
LYNN HAVEN	0	10	0	.1	0	0	5	100	10	40
BAY CO. (SURFACE)	0	10	1	.1	0	0	4	50	10	20
MELBOURNE (SURFACE)	0	10	0	.2	0	0	78	330	0	410
MIMS (SURFACE)	0	10	0	.2	0	0	27	130	20	40
COCOA	0	10	2	.1	0	0	10	60	20	20
SUNRISE	0	20	0	.5	0	0	5	50	10	10
BLOUNTSTOWN	0	<10	0	.1	0	0	5	100	10	170
PUNTA GORDA (SURFACE)	0	30	0	<.1	0	1	4	40	10	130
ALLIGATOR UTILITIES	0	30	0	<.1	0	1	11	150	20	40
INVERNESS	0	20	0	<.1	0	0	2	40	10	10
ORANGE PARK	0	10	0	<.1	0	0	1	50	10	50
GREEN COVE SPRINGS	0	20	0	.1	0	0	2	40	10	50
MARCO ISLAND (SURFACE)	1	10	3	.2	0	0	6	170	0	70
EVERGLADES SHORES	0	10	4	.1	0	0	17	360	20	70
HITCHING POST	1	10	4	.3	0	0	32	770	10	210
IMMOKALEE	0	10	0	<.1	0	0	3	630	0	40
LAKE CITY	0	<10	0	<.1	0	0	8	30	0	300
MIAMI, ORR PLANT	0	20	1	.4	0	0	0	90	10	10
ARCADIA	0	30	0	.1	0	1	1	50	10	110
CROSS CITY	0	10	1	.1	0	0	20	60	10	730
JACKSONVILLE BEACH	0	30	1	.1	0	0	4	50	10	40
ATLANTIC BEACH	0	20	2	.1	0	0	20	120	10	150
MAYPORT	0	20	2	.1	0	0	56	340	10	380
BALDWIN	0	10	0	.1	0	0	9	80	10	40
BLOUNT ISLAND	0	30	0	.1	0	0	46	170	20	70
JACKSONVILLE AIRPORT	0	20	3	<.1	0	0	100	50	10	20
ATLANTIC DRY DOCK	0	30	0	.1	0	0	14	30	10	120
JACKSONVILLE DER	0	10	0	.1	0	0	17	70	10	20
PENSACOLA	0	<10	0	.1	0	0	50	20	10	10
FLAGLER BEACH	0	10	0	.4	0	0	4	100	0	670
APALACHICOLA	0	<10	0	.1	0	1	17	30	30	120
QUINCY (SURFACE)	0	<10	0	.2	0	0	33	280	30	120
TRENTON	0	10	3	.1	1	0	11	200	20	170
LAKEPORT	0	10	16	.3	0	0	4	230		
MOORE HAVEN	0	10	0	.2	0	0	26	170	10	30
BRIGHTON	--	--	--	--	--	--	--	--	--	--
WEWAHITCHKA	2	<10	0	.4	0	0	10	90	10	140
PORT SAINT JOE	0	<10	1	.1	0	0	23	50	10	30

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NUMBER	STATION NAME	COUNTY	GROSS ALPHA AS URANIUM NATURAL (pCi/L)	GROSS BETA AS CESIUM -137 (pCi/L)	DATE OF SAMPLE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
303123082564290	JASPER	HAMILTON	< 3.7	< 3.8	80-04-28	19	32	43
273249081480509	WAUCHULA	HARDEE	9.5	6.7	80-02-19	17	84	37
264417080560802	CLEWISTON (SURFACE)	HENDRY	< 3.3	7.5	80-02-20	6.8	41	7.6
264601081213103	PORT LABELLE	do.	< 6.2	12	80-02-21	20	--	--
283410082222909	BROOKSVILLE	HERNANDO	< 2.7	1.7	80-02-19	7.5	78	9.9
272616081184890	SPRING LAKE	HIGHLANDS	12.2	5.8	80-03-14	18	30	12
272808081250290	SEBRING	do.	1.6	0.7	80-03-14	11	17	5.0
280058082252809	TAMPA (SURFACE)	HILLSBOROUGH	< 2.6	3.0	80-02-20	2.5	63	4.4
275638082163109	BRANDON	do.	< 2.9	< 1.7	80-02-20	14	62	7.0
280707082221509	MORRIS BRIDGE	do.	2.9	1.6	80-02-20	16	47	6.0
304710085410890	BONIFAY	HOLMES	< 1.1	< 1.2	80-04-15	8.7	40	1.1
273910080220490	VERO BEACH	INDIAN RIVER	< 3.8	5.2	80-03-26	13	50	14
304633085131690	MARIANNA	JACKSON	< 2.6	< 1.7	80-04-15	9.7	50	10
303254083520990	MONTICELLO	JEFFERSON	< 2.6	< 1.2	80-04-14	12	45	6.0
300334083101890	MAYO	LAFAYETTE	< 1.1	2.2	80-03-31	6.6	32	9.6
283327081463590	CLERMONT	LAKE	< 2.1	1.4	80-03-18	15	52	7.8
284752081441690	TAVARES	do.	< 1.5	1.5	80-03-18	14	33	10
284801081383890	MOUNT DORA	do.	< 1.6	2.8	80-03-18	9.7	31	9.0
285103081412690	EUSTIS	do.	< 1.2	1.5	80-03-18	10	24	8.5
285213081481890	LEESBURG	do.	< 1.9	< 1.1	80-03-18	14	48	7.1
262138081475502	IMPERIAL HARBOR	LEE	< 6.7	6.0	80-02-19	43	50	18
262612081483902	TAHITI	do.	38	16	80-02-19	22	80	72
264308081410103	LEE COUNTY (SURFACE)	do.	5.0	6.8	80-02-19	5.0	52	4.4
263824081513703	FORT MYERS (SURFACE)	do.	4.8	4.5	80-02-19	6.0	34	7.0
264438082155009	BOCA GRANDE	do.	< 3.1	2.2	80-02-20	7.6	55	2.9
263444081575002	CAPE CORAL	do.	8.3	8.8	80-02-20	12	52	4.4
264300081355502	OAK PARK	do.	69	30	80-02-21	7.7	110	19
264306081433302	RIVER LAWN	do.	11.7	9.5	80-02-21	180	45	29
302513084161090	TALLAHASSEE	LEON	< 1.2	< 1.1	80-04-18	12	35	8.9
292844082513490	CHIEFLAND	LEVY	< 1.8	< 1.5	80-03-31	4.7	66	1.8
302602084585790	BRISTOL	LIBERTY	< 1.5	2.0	80-04-17	20	39	9.1
302821082245690	MADISON	MADISON	< 2.5	< 1.3	80-04-14	8.8	44	7.4
272935082335009	BRADENTON (SURFACE)	MANATEE	< 3.3	7.2	80-02-22	2.9	57	12
272935082212009	LAKE MANATEE (SURFACE)	do.	< 1.2	4.1	80-02-22	5.1	24	5.3
290308082030890	BELLEVUE	MARION	3.3	3.0	80-03-05	11	56	9.2
270109080281002	INDIANTOWN	MARTIN	7.6	< 3.6	80-02-26	16	100	2.8
271120080141502	STUART	do.	< 2.6	< 3.4	80-02-27	15	19	3.5
250524080264402	ROCK HARBOR	MONROE	<15.9	19	80-02-25	3.2	44	16
304023081275601	FERNANDINA	NASSAU	< 4.5	< 3.0	80-02-28	35	73	39
303313081264801	AMELIA ISLAND	do.	< 3.8	< 2.7	80-02-28	31	61	30

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	ALKA- LITY (MG/L AS CACO3) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
JASPER	49	1.2	18	.3	200	467	260	120	140	800
WAUCHULA	8.9	1.9	17	.6	250	562	400	280	120	750
CLEWISTON (SURFACE)	47	4.8	81	.3	67	330	130	88	47	550
PORT LABELLE	--	--	140	.3	64	471	--	--	93	1025
BROOKSVILLE	6.2	.3	12	.2	--	246	240	82	--	389
SPRING LAKE	9.5	1.6	22	.4	28	196	140	41	96	330
SEBRING	4.2	.4	9.0	.8	6.2	86	63	11	52	158
TAMPA (SURFACE)	11	1.6	23	.1	60	251	180	76	100	397
BRANDON	11	.6	20	.2	52	257	180	65	120	408
MORRIS BRIDGE	6.3	.6	16	.1	4.6	191	140	12	130	300
BONIFAY	1.7	.3	4.4	.0	.0	127	100	0	110	264
VERO BEACH	68	3.8	140	.3	99	454	180	160	28	730
MARIANNA	13	.9	11	.1	1.4	214	170	0	170	400
MONTICELLO	2.7	.4	4.8	.1	.0	154	140	0	140	290
MAYO	3.4	.3	6.8	.1	8.1	147	120	9	110	221
CLERMONT	6.7	.7	20	.2	4.0	222	160	12	150	331
TAVARES	6.4	1.0	10	.1	.0	147	120	4	120	260
MOUNT DORA	6.9	2.4	14	.1	11	151	110	16	99	245
EUSTIS	5.9	.9	12	.1	5.5	127	95	9	86	209
LEESBURG	7.0	1.1	12	.8	1.1	181	150	29	120	300
IMPERIAL HARBOR	100	7.1	200	.4	41	540	200	110	90	1000
TAHITI	310	11	520	1.2	130	1410	500	320	180	2600
LEE COUNTY (SURFACE)	42	4.3	91	.3	45	332	150	110	40	570
FORT MYERS (SURFACE)	44	3.6	91	.2	32	284	110	64	50	500
BOCA GRANDE	42	.4	100	.2	19	351	150	85	65	508
CAPE CORAL	68	6.2	130	.7	35	466	150	100	48	--
OAK PARK	20	1.4	50	.2	29	414	350	74	280	770
RIVER LAWN	66	6.4	110	1.0	19	457	230	34	200	840
TALLAHASSEE	2.6	.4	5.3	.2	.6	139	120	4	120	258
CHIEFLAND	2.5	.5	8.8	.1	30	222	170	42	130	323
BRISTOL	7.5	2.2	4.7	.3	.0	--	140	0	150	330
MADISON	3.1	.5	6.4	.2	.0	168	140	0	140	300
BRADENTON (SURFACE)	14	3.6	28	.2	130	309	190	140	51	450
LAKE MANATEE (SURFACE)	5.4	2.6	17	.2	43	142	83	58	25	208
BELLEVUE	6.6	.7	9.5	.2	43	242	180	28	150	341
INDIANTOWN	13	1.5	37	.2	.0	389	260	0	271	505
STUART	19	2.0	35	.2	19	152	62	26	36	205
ROCK HARBOR	360	18	640	.2	40	1240	180	120	60	2330
FERNANDINA	31	2.6	58	1.3	180	526	340	190	150	665
AMELIA ISLAND	19	2.0	33	.6	130	393	280	140	140	590

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM COBALT UNITS) (00080)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	TUR- BID- ITY (NTU) (00076)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)
JASPER	8.7	25.5	0	260	.01	.00	.01	.50	2	<50
WAUCHULA	7.1	22.0	5	29000	.03	.00	.03	1.0	0	100
CLEWISTON (SURFACE)	9.1	20.0	5	750	--	--	.54	.15	1	50
PORT LABELLE	8.5	21.0	5	--	--	--	.02	1.5	0	50
BROOKSVILLE	7.5	20.0	5	270	.39	.00	.39	.00	1	<50
SPRING LAKE	7.6	23.5	5	11000	.01	.00	.01	2.0	1	<50
SEBRING	7.5	24.0	5	2	.00	.00	.00	.06	1	<50
TAMPA (SURFACE)	7.7	20.0	5	310	.20	.00	.20	.00	1	<50
BRANDON	7.8	18.5	5	750	1.7	.00	1.7	.00	1	100
MORRIS BRIDGE	7.6	23.0	5	210	.01	.00	.01	.00	0	<50
BONIFAY	7.7	22.0	0	20	.34	.00	.34	.12	0	<50
VERO BEACH	8.3	23.0	0	1600	.34	.01	.35	.28	0	50
MARIANNA	7.8	21.0	0	150	.57	.00	.57	.20	2	100
MONTICELLO	7.6	21.0	0	60	.20	.00	.20	.15	0	<50
MAYO	7.7	18.0	5	30	.88	.00	.88	.50	1	50
CLERMONT	7.3	23.0	0	90	.04	.00	.04	.36	2	100
TAVARES	8.4	23.0	0	80	.01	.00	.01	.14	2	100
MOUNT DORA	7.8	20.5	0	50	.08	.00	.08	.30	1	<50
EUSTIS	7.9	22.0	0	50	.02	.00	.02	.15	2	<50
LEESBURG	7.7	22.5	10	70	.09	.00	.09	.85	1	100
IMPERIAL HARBOR	8.1	19.0	0	610	--	--	.05	.15	0	50
TAHITI	7.2	21.0	0	5600	--	--	.37	.35	1	50
LEE COUNTY (SURFACE)	9.6	18.0	5	520	--	--	.29	.25	1	50
FORT MYERS (SURFACE)	7.9	22.0	5	340	--	--	.04	.15	2	50
BOCA GRANDE	7.4	19.0	10	220	.21	.00	.21	1.0	0	<50
CAPE CORAL	--	--	5	2000	--	--	.05	.50	0	50
OAK PARK	7.0	21.0	5	610	--	--	.03	.10	1	50
RIVER LAWN	7.7	21.0	5	1600	--	--	.16	.50	0	50
TALLAHASSEE	8.1	25.0	0	70	.38	.00	.38	.20	0	<50
CHIEFLAND	7.6	21.0	5	60	2.0	.00	2.0	.80	1	50
BRISTOL	7.9	23.5	5	390	.00	.00	.00	.20	0	<50
MADISON	7.8	23.0	0	40	.02	.00	.02	.25	0	<50
BRADENTON (SURFACE)	7.1	20.5	0	2300	.02	.00	.02	1.0	0	<50
LAKE MANATEE (SURFACE)	6.9	22.5	0	910	.30	.00	.30	1.0	0	<50
BELLEVIEW	7.5	17.0	5	520	.64	.00	.64	.50	2	<50
INDIANTOWN	7.5	22.5	5	690	--	--	.03	.20	1	<50
STUART	8.6	20.5	5	240	.03	.00	.03	.15	1	<50
ROCK HARBOR	7.8	29.0	5	420	--	--	.02	.30	0	50
FERNANDINA	7.3	21.5	5	760	.03	.00	.03	.30	0	<50
AMELIA ISLAND	7.6	17.0	5	550	.04	.00	.04	.25	2	<50

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JASPER	0	<10	0	.2	0	0	5	80	0	50
WAUCHULA	0	20	0	<.1	0	1	6	180	10	210
CLEWISTON (SURFACE)	0	10	0	.1	0	0	2	100	0	20
PORT LABELLE	0	10	2	.1	0	0	3	260	0	210
BROOKSVILLE	0	20	1	<.1	0	0	5	20	10	120
SPRING LAKE	0	10	0	<.1	0	0	11	100	10	100
SEBRING	0	<10	0	<.1	0	0	25	60	10	30
TAMPA (SURFACE)	0	20	0	.1	0	0	2	50	10	10
BRANDON	0	20	0	<.1	0	0	1	20	10	190
MORRIS BRIDGE	0	10	0	<.1	0	0	56	10	10	20
BONIFAY	0	<10	0	.2	0	0	240	40	10	40
VERO BEACH	0	10	2	.1	0	0	4	200	10	240
MARIANNA	1	<10	1	.1	0	0	14	80	10	180
MONTICELLO	0	<10	0	.3	0	0	--	40	0	100
MAYO	0	10	8	.1	0	0	12	670	30	420
CLERMONT	0	<10	0	.2	0	0	190	90	20	150
TAVARES	0	<10	1	.1	0	0	19	30	10	130
MOUNT DORA	0	10	3	.1	0	0	6	70	20	340
EUSTIS	0	<10	2	.1	0	0	3	60	10	1300
LEESBURG	0	<10	0	.1	0	0	6	120	20	120
IMPERIAL HARBOR	0	10	6	.3	0	0	30	130	0	280
TAHITI	0	10	0	.1	0	0	10	120	0	30
LEE COUNTY (SURFACE)	0	10	0	.3	0	0	2	180	10	10
FORT MYERS (SURFACE)	0	10	0	.2	0	0	51	160	0	140
BOCA GRANDE	0	30	0	<.1	0	1	1	200	10	90
CAPE CORAL	0	10	0	.1	0	0	3	250	0	10
OAK PARK	0	10	1	.1	0	0	140	200	20	270
RIVER LAWN	0	10	0	.2	0	0	2	110	10	40
TALLAHASSEE	0	<10	0	.1	0	0	35	10	10	40
CHIEFLAND	0	20	2	.1	1	0	8	150	10	210
BRISTOL	0	<10	0	.1	0	0	3	120	10	60
MADISON	0	<10	0	.2	0	0	5	330	10	50
BRADENTON (SURFACE)	0	30	0	<.1	0	1	5	100	10	10
LAKE MANATEE (SURFACE)	0	20	0	<.1	0	1	14	60	10	160
BELLEVIEW	0	10	0	.1	0	0	4	10	10	400
INDIANTOWN	0	10	0	<.1	0	0	31	130	10	40
STUART	0	10	2	.2	0	0	14	360	10	120
ROCK HARBOR	0	20	1	<.1	0	0	14	230	30	80
FERNANDINA	0	10	1	.1	0	0	3	80	10	80
AMELIA ISLAND	0	10	2	<.1	0	0	3	80	10	60

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NUMBER	STATION NAME	COUNTY	GROSS ALPHA AS URANIUM NATURAL (pCi/L)	GROSS BETA AS CESIUM -137 (pCi/L)	DATE OF SAMPLE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
304144081550201	HILLIARD	NASSAU	< 3.3	< 2.3	80-03-03	35	65	31
304537086340690	CRESTVIEW	OKALOOSA	< 1.2	1.1	80-04-15	14	25	9.3
271540080494590	OKEECHOBEE (SURFACE)	OKEECHOBEE	< 2.3	5.5	80-03-14	5.0	33	4.8
283235081230090	ORLANDO	ORANGE	< 1.8	1.3	80-03-04	11	35	8.3
283527081192290	WINTER PARK	do.	< 1.6	< 1.1	80-03-04	10	34	7.7
293739081212890	MAITLAND	do.	2.3	1.5	80-03-05	11	36	7.8
294352081361990	ZELLWOOD	do.	4.2	2.8	80-03-06	12	27	8.9
282400081330090	REEDY CREEK	do.	< 1.1	1.0	80-03-12	9.3	26	5.2
281530081165790	SAINT CLOUD	OSCEOLA	5.1	2.6	80-03-12	14	53	7.8
265600080075802	JUPITER (TRI-SOUTHERN)	PALM BEACH	< 2.9	< 3.5	80-02-25	15	17	2.6
264101080433802	SOUTH BAY (SURFACE)	do.	< 3.4	4.8	80-02-26	3.6	41	4.6
264125080404302	BELLE GLADE (SURFACE)	do.	< 3.7	4.3	80-02-26	4.0	46	2.4
264837080364502	BRYANT (SURFACE)	do.	< 2.9	< 3.5	80-02-26	6.8	32	6.7
264930080400502	PAHOKEE (SURFACE)	do.	< 4.0	4.9	80-02-26	5.8	49	4.6
282144082414709	HUDSON	PASCO	< 2.9	< 1.9	80-02-19	6.3	60	3.8
281528082390309	NEW PORT RICHEY	do.	3.9	< 2.3	80-02-21	9.0	65	3.6
275751082433409	CLEARWATER	PINELLAS	< 3.3	< 2.0	80-02-21	14	70	5.1
280331081572609	LAKELAND	POLK	< 3.5	< 2.1	80-02-22	19	64	14
280610081371109	HAINES CITY	do.	< 1.9	1.4	80-02-22	13	41	5.8
280209081430609	WINTER HAVEN	do.	2.6	2.0	80-02-22	20	40	9.0
275352081494309	BARTOW	do.	7.5	3.6	80-02-22	16	93	22
292554081303990	CRESCENT CITY	PUTNAM	< 1.6	1.6	80-03-19	10	40	5.7
293825081401090	PALATKA	do.	< 2.0	1.3	80-03-19	17	55	1.8
295451081190701	SAINT AUGUSTINE (SURFACE)	ST. JOHNS	< 3.5	< 2.8	80-02-27	14	57	11
295151081160901	ANASTASIA	do.	< 7.5	< 4.3	80-02-27	18	88	33
301239081231601	SAINT JOHNS UTILITIES	do.	< 4.2	2.8	80-03-05	28	68	31
272507080190202	FORT PIERCE	ST. LUCIE	< 3.5	4.8	80-02-27	11	38	5.2
303834087024890	MILTON	SANTA ROSA	< 0.9	< 1.3	80-04-16	7.6	4.7	.1
270242082142409	NORTH PORT CHARLOTTE (SURFACE)	SARASOTA	< 2.6	4.4	80-02-20	2.2	23	6.5
265713082205609	ENGLEWOOD	do.	< 3.9	< 2.8	80-02-21	10	43	9.0
270601082261409	VENICE	do.	< 5.9	< 4.0	80-02-21	4.1	21	14
294829081162290	SANFORD	SEMINOLE	< 1.9	1.9	80-03-05	9.0	46	6.1
283849081192390	CASSELBERRY	do.	< 1.5	1.0	80-03-06	11	32	7.6
285016082024490	WILDWOOD	SUMTER	< 2.0	< 1.2	80-03-05	10	55	2.5
295734082554390	BRANFORD	SUWANNEE	< 7.5	< 4.6	80-03-31	9.4	40	21
300710083350590	PERRY	TAYLOR	< 4.1	< 1.9	80-04-14	8.4	57	15
300107082204501	LAKE BUTLER	UNION	< 1.2	< 1.7	80-04-28	19	38	14
290314081181590	DELAND	VOLUSIA	< 2.9	< 2.2	80-03-11	11	60	9.0
291317080001490	DAYTONA BEACH	do.	< 1.6	< 1.0	80-03-11	18	23	7.6

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03) (00902)	ALKA- LINITY (MG/L AS CAC03) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
HILLIARD	19	1.8	31	1.3	120	406	290	140	150	555
CRESTVIEW	3.2	1.6	4.6	.1	6.1	126	100	6	95	222
OKEECHOBEE (SURFACE)	30	3.3	51	.1	66	239	100	71	32	385
ORLANDO	8.4	.9	18	.8	6.3	174	120	12	110	275
WINTER PARK	6.9	.7	13	.2	5.6	150	120	7	110	270
MAITLAND	6.1	.7	14	.8	5.0	154	120	12	110	278
ZELLWOOD	5.9	1.0	12	.2	7.3	138	100	11	93	245
REEDY CREEK	2.9	.4	6.1	.1	2.6	94	86	7	79	182
SAINT CLOUD	11	1.1	22	.7	39	251	170	36	130	390
JUPITER (TRI-SOUTHERN)	24	.6	55	.2	7.2	--	53	30	23	230
SOUTH BAY (SURFACE)	53	5.0	93	.3	61	330	120	62	60	470
BELLE GLADE (SURFACE)	52	5.1	89	.9	70	342	130	79	47	495
BRYANT (SURFACE)	51	4.9	85	.3	58	319	110	71	37	420
PAHOKEE (SURFACE)	52	5.0	97	.2	81	371	140	110	37	520
HUDSON	30	.9	57	.1	14	269	170	26	140	472
NEW PORT RICHEY	3.9	.6	14	.2	13	216	180	17	160	371
CLEARWATER	17	.7	37	.2	5.1	276	200	16	180	469
LAKELAND	7.4	.9	13	.4	1.1	251	220	0	220	481
HAINES CITY	9.7	1.1	17	.2	4.9	168	130	6	120	291
WINTER HAVEN	7.8	1.6	13	.3	1.9	178	140	7	130	310
BARTOW	8.3	1.0	14	.5	190	456	330	170	160	700
CRESCENT CITY	13	1.0	20	.3	1.5	177	120	0	150	275
PALATKA	6.2	1.1	6.8	.1	.0	181	150	0	150	279
SAINT AUGUSTINE (SURFACE)	44	2.2	96	.2	120	398	190	140	49	625
ANASTASIA	43	3.3	99	.6	240	634	360	270	87	900
SAINT JOHNS UTILITIES	20	2.1	35	1.0	150	430	300	150	150	640
FORT PIERCE	49	2.4	97	.8	64	342	120	97	20	440
MILTON	1.5	.1	3.3	.0	.1	36	12	0	14	36
NORTH PORT CHARLOTTE (SURFACE)	52	1.9	53	.2	77	268	85	49	36	440
ENGLEWOOD	65	1.4	160	.2	8.8	402	150	77	68	650
VENICE	150	2.8	93	.5	250	579	110	83	28	855
SANFORD	9.0	1.2	18	.8	12	182	140	20	120	330
CASSELBERRY	5.7	.7	14	.2	3.2	140	110	11	100	254
WILDWOOD	5.5	.4	10	.1	6.0	189	150	0	150	296
BRANFORD	160	.8	10	.4	370	717	190	17	170	1050
PERRY	4.2	1.2	7.1	.2	.0	234	200	0	210	425
LAKE BUTLER	6.9	.9	11	.4	15	212	150	4	150	365
DELAND	12	1.6	15	.2	7.1	234	190	7	180	418
DAYTONA BEACH	25	1.1	50	1.1	.5	188	89	28	61	275

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM COBALT UNITS) (00080)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	TUR- BID- ITY (NTU) (00076)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)
HILLIARD	7.4	16.5	5	510	.11	.00	.11	.30	1	<50
CRESTVIEW	8.0	21.0	0	130	.01	.00	.01	.20	2	<50
OKEECHOBEE (SURFACE)	9.8	21.0	5	500	.15	.01	.16	.70	1	100
ORLANDO	7.1	25.0	5	270	.04	.00	.04	.15	1	<50
WINTER PARK	7.5	19.5	5	200	.01	.00	.01	.01	0	<50
MAITLAND	7.5	18.0	5	130	.03	.01	.04	1.0	1	<50
ZELLWOOD	7.4	23.0	5	90	1.9	.00	1.9	.10	1	<50
REEDY CREEK	7.7	21.0	5	120	.04	.00	.04	.10	1	<50
SAINT CLOUD	7.0	26.0	5	1300	.02	.00	.02	2.0	1	<50
JUPITER (TRI-SOUTHERN)	8.4	24.5	5	210	--	--	.03	.15	1	<50
SOUTH BAY (SURFACE)	10.4	20.0	5	650	--	--	.18	.40	1	<50
BELLE GLADE (SURFACE)	10.3	20.5	5	710	--	--	.22	.25	1	<50
BRYANT (SURFACE)	9.8	20.5	5	7	--	--	.30	.30	1	<50
PAHOKEE (SURFACE)	9.7	20.5	5	750	--	--	.30	.40	1	<50
HUDSON	7.1	15.0	5	220	.37	.00	.37	.00	1	<50
NEW PORT RICHEY	7.4	22.0	5	270	.04	.00	.04	1.0	1	<50
CLEARWATER	7.3	22.0	0	220	.01	.00	.01	.00	7	<50
LAKELAND	7.3	26.0	0	100	.01	.00	.01	1.0	1	<50
HAINES CITY	7.6	19.0	0	110	.06	.00	.06	1.0	0	<50
WINTER HAVEN	7.4	24.0	0	90	.05	.00	.05	2.0	0	<50
BARTOW	7.7	17.5	0	2600	.27	.00	.27	.00	1	<50
CRESCENT CITY	7.9	20.5	10	110	.65	.00	.65	1.4	2	100
PALATKA	7.7	20.0	0	330	.02	.00	.02	1.8	1	100
SAINT AUGUSTINE (SURFACE)	9.2	20.5	5	900	.23	.03	.26	.30	0	<50
ANASTASIA	8.3	17.5	5	3200	.15	.02	.17	.30	0	<50
SAINT JOHNS UTILITIES	7.3	15.5	5	3000	.07	.00	.07	.45	0	<50
FORT PIERCE	8.3	21.0	5	420	--	--	.03	.20	1	<50
MILTON	7.7	21.0	0	6	.12	.00	.12	.18	0	<50
NORTH PORT CHARLOTTE (SURFACE)	7.5	21.0	5	370	.03	.00	.03	1.0	1	<50
ENGLEWOOD	8.8	21.0	5	430	.08	.00	.08	.00	0	100
VENICE	8.8	19.5	5	960	.03	.00	.03	.00	0	<50
SANFORD	7.2	22.0	5	110	.42	.00	.42	.15	1	<50
CASSELBERRY	7.1	22.0	5	160	.06	.01	.07	.10	1	<50
WILDWOOD	7.6	18.5		130	1.1	.00	1.1	.10	1	<50
BRANFORD	7.5	22.5	5	970	.05	.00	.05	.10	1	50
PERRY	7.3	23.0	5	60	.01	.00	.01	.26	0	100
LAKE BUTLER	8.0	24.5	0	1200	.03	.00	.03	.60	1	<50
DELAND	7.7	21.0	5	240	.02	.00	.02	.25	1	50
DAYTONA BEACH	8.1	21.5	5	220	.04	.01	.05	.15	0	50

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
HILLIARD	0	20	0	<.1	0	0	6	30	10	30
CRESTVIEW	0	<10	0	.4	0	0	10	40	0	90
OKEECHOBEE (SURFACE)	0	10	0	<.1	0	0	8	180	10	30
ORLANDO	1	10	10	<.1	0	0	32	170	10	2500
WINTER PARK	0	10	0	<.1	0	0	100	20	10	70
MAITLAND	0	10	6	<.1	0	0	9	40	10	690
ZELLWOOD	0	<10	0	<.1	0	0	35	50	10	140
REEDY CREEK	1	<10	5	<.1	0	0	16	20	10	20
SAINT CLOUD	3	10	8	<.1	0	0	7	540	10	1600
JUPITER (TRI-SOUTHERN)	0	10	0	.2	0	0	7	90	10	10
SOUTH BAY (SURFACE)	0	10	0	.1	0	0	1	40	10	10
BELLE GLADE (SURFACE)	0	10	0	.1	0	0	30	70	10	10
BRYANT (SURFACE)	0	10	0	.1	0	0	1	80	10	10
PAHOKEE (SURFACE)	0	10	1	.2	0	0	1	220	10	490
HUDSON	0	20	0	<.1	0	0	6	40	10	400
NEW PORT RICHEY	0	20	0	<.1	0	0	1200	80	10	20
CLEARWATER	0	20	2	<.1	0	0	13	210	10	270
LAKELAND	0	20	28	.1	0	0	3	200	10	130
HAINES CITY	1	20	4	.2	0	0	7	80	10	520
WINTER HAVEN	0	20	5	.1	0	0	11	90	10	30
BARTOW	1	20	7	.2	0	0	6	150	10	980
CRESCENT CITY	0	10	17	.1	0	0	8	430	60	570
PALATKA	0	10	0	.1	0	0	3	300	20	240
SAINT AUGUSTINE (SURFACE)	0	20	0	.1	0	0	2	170	10	40
ANASTASIA	0	30	0	<.1	0	0	3	90	10	80
SAINT JOHNS UTILITIES	0	10	0	.1	0	0	19	70	10	630
FORT PIERCE	0	<10	1	.2	0	0	18	90	10	10
MILTON	0	<10	0	.1	0	0	5	100	10	10
NORTH PORT CHARLOTTE (SURFACE)	0	20	0	<.1	0	1	2	40	10	40
ENGLEWOOD	0	20	0	<.1	0	1	2	100	10	50
VENICE	0	20	0	<.1	0	1	6	70	10	20
SANFORD	0	<10	0	<.1	0	0	13	90	10	100
CASSELBERRY	0	10	0	<.1	0	0	69	40	10	20
WILDWOOD	0	20	1	.4	4	0	9	10	10	40
BRANFORD	0	20	0	.1	0	0	7	120	20	40
PERRY	0	<10	3	.2	0	0	10	160	10	240
LAKE BUTLER	0	<10	3	.1	0	0	6	170	10	20
DELAND	0	10	0	.1	0	0	11	140	0	600
DAYTONA BEACH	0	10	0	.2	0	0	49	150	10	280

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NUMBER	STATION NAME	COUNTY	GROSS ALPHA AS URANIUM NATURAL (pCi/L)	GROSS BETA AS CESIUM -137 (pCi/L)	DATE OF SAMPLE	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
301028084223890	CRAWFORDVILLE	WAKULLA	2.5	1.3	80-04-18	8.5	46	3.3
304310086070690	DEFUNIAK SPRINGS	WALTON	< 0.8	< 0.7	80-04-15	9.1	19	5.9
304652085321490	CHIPLEY	WASHINGTON	< 0.9	< 0.8	80-04-15	6.9	34	1.7
301635082072101	MACCLENLY	BAKER	< 1.6	1.8	80-02-29	--	--	--
260606080120302	FORT LAUDERDALE	BROWARD	< 1.8	< 1.3	80-02-26	8.2	35	2.5
260241081412702	CAPRI WATER WORKS	COLLIER	< 2.0	2.0	80-02-15	8.7	25	2.5

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	ALKA- LITY (MG/L AS CAC03) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
CRAWFORDVILLE	3.7	.5	8.0	.1	8.5	--	130	9	120	294
DEFUNIAK SPRINGS	2.0	.6	3.7	.1	1.4	86	72	0	72	162
CHIPLEY	1.5	.2	3.5	.1	.0	111	92	2	90	200
MACCLENNY	--	--	12	.6	31	--	--	--	120	285
FORT LAUDERDALE	21	.8	53	.2	27	212	98	68	30	305
CAPRI WATER WORKS	45	1.8	94	.1	15	244	73	50	23	410

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM COBALT UNITS) (00080)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	TUR- BID- ITY (NTU) (00076)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)
CRAWFORDVILLE	7.9	22.0	0	210	.01	.00	.01	.11	0	<50
DEFUNIAK SPRINGS	8.1	23.0	0	40	.47	.00	.47	.25	1	100
CHIPLEY	7.8	22.0	0	20	.40	.00	.40	.12	0	<50
MACCLENNY	7.8	15.5	5	--	.01	.07	.08	.50	--	--
FORT LAUDERDALE	9.1	25.0	5	210	.07	--	.07	.10	1	0
CAPRI WATER WORKS	9.8	21.0	5	210	.11	--	.11	.30	0	50

SUPPLEMENTARY DATA I--TREATED PUBLIC WATER SUPPLIES: WATER-QUALITY DATA--CONTINUED

STATION NAME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
CRAWFORDVILLE	0	10	4	.1	0	0	71	40	10	20
DEFUNIAK SPRINGS	3	<10	10	.1	0	0	8	60	20	320
CHIPLEY	0	<10	0	.1	0	0	6	50	10	40
MACCLENNY	--	--	--	--	--	--	--	--	--	--
FORT LAUDERDALE	0	10	0	.4	0	0	34	30	10	110
CAPRI WATER WORKS	1	10	2	.1	0	0	5	160	0	160

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA

STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
294209082181801	GAINESVILLE, LOCAL WELL N-4	ALACHUA	80-03-19	28	54	20
301708082073901	MACCLENNY, TREATMENT COMPOUND, OHIO STREET	BAKER	80-02-29	21	37	13
301437085385101	LYNN HAVEN, LOCAL WELL NO. 3	BAY	80-04-16	12	27	19
280821080434801	MELBOURNE WATER TREATMENT PLANT	BREVARD	80-03-10	17	110	51
02232100	MELBOURNE, LAKE WASHINGTON (SURFACE)	DO.	80-03-10	3.2	26	6.3
260948080180602	SUNRISE WATER PLANT, LOCAL WELL NO. 11	BROWARD	80-02-26	9.5	110	2.7
260606080120301	FORT LAUDERDALE, DIXIE WATER PLANT	DO.	80-02-26	8.1	87	2.6
302640085031101	BLOUNTSTOWN, LOCAL WELL NO. 2	CALHOUN	80-04-17	17	29	17
02298202	PUNTA GORDA, SHELL CREEK (SURFACE)	CHARLOTTE	80-02-19	2.6	68	18
265235082001101	ALLIGATOR UTILITIES, NEAR PUNTA GORDA	DO.	80-02-20	19	140	110
265254082142601	BOCA GRANDE, NEAR PLACIDA, LOCAL WELL NO. 2E	DO.	80-02-20	6.1	99	5.7
284948082191801	INVERNESS, LOCAL WELL NO. 1	CITRUS	80-02-19	4.5	49	2.7
301058081423801	ORANGE PARK, MEADOWBROOK LOCAL WELL C-93	CLAY	80-02-27	17	33	19
300022081415002	GREEN COVE SPRINGS, LOCAL WELL C-103	DO.	80-02-27	12	20	10
255401081175501	EVERGLADES SHORES-OCCHOPEE WATER SYSTEM	COLLIER	80-02-14	5.1	110	7.1
255730081432501	MARCO ISLAND WATER PLANT (SURFACE)	DO.	80-02-14	6.4	110	15
260241081412701	CAPRI WATER WORKS, INC.	DO.	80-02-15	7.5	99	5.1
260418081430001	HITCHING POST MOBILE HOME PARK, NEAR NAPLES	DO.	80-02-15	8.2	120	5.5
262436081254103	IMMOKALEE WATER TREATMENT PLANT	DO.	80-02-21	31	75	15
301108082372401	LAKE CITY, LOCAL WELL NO. 2	COLUMBIA	80-04-28	16	36	12
254231080201001	MIAMI, ORR WATER PLANT	DADE	80-02-25	4.7	87	3.5
271304081503201	ARCADIA, LOCAL WELL NO. 1	DESOTO	80-02-19	51	45	27
293815083073301	CROSS CITY WATER PLANT	DIXIE	80-03-31	4.1	90	10
302008081242101	ATLANTIC BEACH, LOCAL WELL D-307	DUVAL	80-02-08	23	71	32
302339081254702	MAYPORT, LOCAL WELL D-464A	DO.	80-02-26	24	63	28
301802081585001	BALDWIN, LOCAL WELL D-1342	DO.	80-02-28	20	35	14
302317081330401	BLOUNT ISLAND, LOCAL WELL D-488	DO.	80-03-03	27	59	23
302955081404401	JACKSONVILLE AIRPORT, LOCAL WELL D-363	DO.	80-03-03	32	57	26
302322081273801	ATLANTIC DRY DOCK, INC., LOCAL WELL D-255	DO.	80-03-03	28	54	22
301743081362301	JACKSONVILLE, LOCAL WELL D-225	DO.	80-03-04	25	75	28
301704081233401	JACKSONVILLE BEACH, LOCAL WELL D-484	DO.	80-03-07	27	80	32
302514087140301	PENSACOLA, WEST PLANT	ESCAMBIA	80-04-16	8.1	1.4	1.7
292641081120101	FLAGLER BEACH, LOCAL WELL NO. 5	FLAGLER	80-03-11	24	130	7.1
294348084595701	APALACHICOLA, LOCAL WELL NO. 3	FRANKLIN	80-04-17	23	67	66
02329534	QUINCY CREEK AT S.R. 267 NEAR QUINCY (SURFACE)	GADSDEN	80-04-15	4.7	4.6	1.3
293653082493202	TRENTON SEWAGE TREATMENT PLANT, EAST WELL	GILCHRIST	80-03-31	7.1	84	4.7
265828081074301	LAKEPORT WATER SUPPLY	GLADES	80-02-20	28	35	34
265030081053001	MOORE HAVEN, LOCAL WELL GL-212	DO.	80-02-20	13	170	19
300642085115001	WEWAHITCHKA WATER PLANT, LAKE GROVE ROAD	GULF	80-04-17	13	38	35

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NAME	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03) (00902)	ALKA- LINITY (MG/L AS CAC03) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
GAINESVILLE	10	1.1	11	.4	47	276	220	38	180	438
MACCLENNY	9.6	1.3	12	.6	31	196	150	27	120	321
LYNN HAVEN	41	2.6	67	.6	25	296	160	26	130	580
MELBOURNE WATER TREATMENT PLANT	210	5.1	440	.4	150	1160	500	390	110	1950
MELBOURNE (SURFACE)	23	1.6	60	.2	17	221	92	52	40	327
SUNRISE WATER PLANT	37	3.8	52	.2	61	480	290	37	250	750
FORT LAUDERDALE	24	1.4	37	.2	24	376	230	9	220	630
BLOUNTSTOWN	59	6.4	72	.9	42	--	150	15	130	645
PUNTA GORDA (SURFACE)	60	3.1	110	.4	80	480	250	120	130	758
ALLIGATOR UTILITIES	450	18	1000	1.5	190	2220	830	710	120	3700
BOCA GRANDE	34	.3	29	.1	90	411	270	81	190	563
INVERNESS	7.1	.4	12	.1	3.6	178	130	4	130	287
ORANGE PARK	7.0	2.2	7.3	.6	63	214	160	64	100	338
GREEN COVE SPRINGS	3.5	1.2	4.8	.2	15	110	92	11	81	197
EVERGLADES SHORES-OCHOPEE	35	1.5	61	.2	4.5	378	300	64	240	780
MARCO ISLAND (SURFACE)	82	2.7	160	.1	62	649	340	97	240	1100
CAPRI WATER WORKS, INC.	41	1.5	86	.2	7.4	452	270	29	240	775
HITCHING POST MOBILE HOME PARK	35	.7	67	.2	19	475	320	33	290	860
IMMOKALEE WATER TREATMENT PLANT	32	2.7	39	.3	5.8	384	250	0	290	610
LAKE CITY, LOCAL WELL NO. 2	8.3	.8	10	.5	2.1	182	140	0	150	342
MIAMI	19	1.7	34	.2	22	340	230	32	200	555
ARCADIA	34	2.1	64	3.2	11	383	230	29	200	600
CROSS CITY	8.5	1.0	11	.1	6.6	316	270	0	270	512
ATLANTIC BEACH	34	2.0	74	.7	130	414	310	170	140	--
MAYPORT	10	1.6	14	.7	140	376	270	140	130	575
BALDWIN	9.2	1.3	10	.4	28	186	150	26	120	339
BLOUNT ISLAND	14	1.5	22	.6	83	334	240	94	150	525
JACKSONVILLE AIRPORT	16	1.5	22	.6	86	338	250	100	150	462
ATLANTIC DRY DOCK, INC.	13	1.6	18	.7	73	308	230	77	150	480
JACKSONVILLE	26	1.9	56	.7	130	460	310	170	140	675
JACKSONVILLE BEACH	37	2.3	110	.7	140	546	330	180	150	870
PENSACOLA	7.7	.5	10	.0	.7	28	11	9	2	78
FLAGLER BEACH	29	1.2	58	.1	.0	477	350	35	320	722
APALACHICOLA	72	10	140	1.0	140	743	450	160	290	1050
QUINCY CREEK (SURFACE)	2.5	.5	4.5	.1	1.6	20	17	0	17	53
TRENTON	5.6	2.0	12	.1	20	272	230	19	210	439
LAKEPORT	300	27	450	.2	33	1040	230	0	230	1850
MOORE HAVEN	140	6.4	220	.2	170	1050	500	150	350	1700
WEWAHITCHKA	47	3.9	77	1.2	100	446	250	120	130	--

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

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STATION NAME	DATE OF SAMPLE	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM COBALT UNITS) (00000)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01000)
GAINESVILLE	80-03-19	7.7	24.0	0	670
MACCLENNY	80-02-29	7.4	25.5	5	1000
LYNN HAVEN	80-04-16	8.0	25.0	0	9400
MELBOURNE WATER TREATMENT PLANT	80-03-10	7.7	25.0	50	10000
MELBOURNE (SURFACE)	80-03-10	7.6	23.0	5	750
SUNRISE WATER PLANT	80-02-26	7.2	22.0	20	1200
FORT LAUDERDALE	80-02-26	7.5	27.0	30	670
BLOUNTSTOWN	80-04-17	7.9	23.5	50	2400
PUNTA GORDA (SURFACE)	80-02-19	7.5	12.0	45	6700
ALLIGATOR UTILITIES	80-02-20	7.7	27.5	10	25000
BOCA GRANDE	80-02-20	6.9	24.0	55	270
INVERNESS	80-02-19	7.5	23.0	10	90
ORANGE PARK	80-02-27	7.6	23.6	5	2900
GREEN COVE SPRINGS	80-02-27	7.9	24.1	5	660
EVERGLADES SHORES-OCHOPEE	80-02-14	7.5	20.0	10	230
MARCO ISLAND (SURFACE)	80-02-14	7.9	20.0	20	610
CAPRI WATER WORKS, INC.	80-02-15	7.3	22.0	50	330
HITCHING POST MOBILE HOME PARK	80-02-15	7.4	24.0	30	390
IMMOKALEE WATER TREATMENT PLANT	80-02-21	7.4	25.0	5	260
LAKE CITY, LOCAL WELL NO. 2	80-04-28	7.7	22.0	5	70
MIAMI	80-02-25	7.2	27.5	5	660
ARCADIA	80-02-19	7.1	25.0	10	4900
CROSS CITY	80-03-31	7.2	21.0	5	70
ATLANTIC BEACH	80-02-08	7.1	23.5	5	1900
MAYPORT	80-02-26	7.5	24.6	5	1500
BALDWIN	80-02-28	7.4	24.9	5	1100
BLOUNT ISLAND	80-03-03	7.6	24.0	5	1400
JACKSONVILLE AIRPORT	80-03-03	7.2	24.0	5	370
ATLANTIC DRY DOCK, INC.	80-03-03	7.1	23.0	5	1300
JACKSONVILLE	80-03-04	7.2	29.0	5	3000
JACKSONVILLE BEACH	80-03-07	7.4	28.0	5	2300
PENSACOLA	80-04-16	5.2	21.0	0	20
FLAGLER BEACH	80-03-11	7.2	22.5	5	630
APALACHICOLA	80-04-17	7.4	24.5	0	8800
QUINCY CREEK (SURFACE)	80-04-15	7.2	16.0	30	10
TRENTON	80-03-31	7.4	22.0	5	70
LAKEPORT	80-02-20	7.6	24.0	10	500
MOORE HAVEN	80-02-20	6.9	25.0	80	1500
WEWAHITCHKA	80-04-17	--	--	0	5200

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	CALCIUM DIS- SOLVED (MG/L AS Ca) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg) (00925)
295102085152400	PORT SAINT JOE, CHIPOLA RIVER (SURFACE)	GULF	80-04-17	20	39	2.7
303123082564201	JASPER WATER PLANT, LOCAL WELL NO. 3	HAMILTON	80-04-28	24	84	44
273249081480502	WAUCHULA WATER PLANT, LOCAL WELL NO. 4	HARDEE	80-02-19	17	86	37
264417080560801	CLEWISTON, AT U.S. SUGAR CORP. (SURFACE)	HENDRY	80-02-20	12	37	14
264601081213104	PORT LABELLE WATER SUPPLY, LOCAL WELL NO. 1	DO.	80-02-21	34	74	17
283258082231901	BROOKSVILLE, LOCAL WELL NO. 1	HERNANDO	80-02-19	11	60	9.8
272616081184801	SPRING LAKE, LOCAL WELL NO. 1	HIGHLANDS	80-03-14	18	22	13
272920081260300	SEBRING, LOCAL WELL, NO. 4	DO.	80-03-14	11	16	5.2
280057082252000	TAMPA, HILLSBOROUGH RIVER (SURFACE)	HILLSBOROUGH	80-02-20	2.4	47	4.3
275638082163101	BRANDON, RAINBOW LOCAL WELL NO. 1	DO.	80-02-20	12	60	5.3
280628082205901	MORRIS BRIDGE WELL FIELD, NEAR TAMPA	DO.	80-02-20	14	99	5.3
280611081371101	HAINES CITY, LOCAL WELL NO. 9	DO.	80-02-22	12	39	6.2
304710085410801	BONIFAY, MCGEE ROAD WELL	HOLMES	80-04-15	8.7	41	1.2
273907080241901	VERO BEACH, LOCAL WELL NO. 2	INDIAN RIVER	80-03-26	12	120	4.2
304633085131601	MARIANNA, LOCAL WELL NO. 5	JACKSON	80-04-15	9.3	55	9.8
303254083520901	MONTICELLO TREATMENT PLANT	JEFFERSON	80-04-14	12	45	6.0
300334083101801	MAYO, WELL ON SR 51	LAFAYETTE	80-03-31	6.2	26	9.0
283249081463201	CLERMONT, "SEMINOLE" WELL	LAKE	80-03-18	14	49	8.0
284808081432801	TAVARES, LOCAL WELL NO. 3	DO.	80-03-18	14	32	10
284856081383001	MOUNT DORA, LOCAL WELL NO. 3	DO.	80-03-18	9.6	29	9.2
284943081412501	EUSTIS, ARDICE WELL NO. 1	LAKE	80-03-18	13	23	7.4
284822081520601	LEESBURG, LOCAL WELL NO. 14	DO.	80-03-18	12	38	7.9
262138081475501	IMPERIAL HARBOR, LOCAL WELL NO. 1	LEE	80-02-19	50	98	38
262612081483901	TAHITI MOBILE HOME PARK, NEAR ESTRO	DO.	80-02-19	23	82	74
263444081575001	CAPE CORAL WATER PLANT, BEHIND COUNTRY CLUB	DO.	80-02-19	20	53	75
264308081410102	LEE COUNTY, CALOOSAHATCHEE RIVER (SURFACE)	DO.	80-02-19	5.4	42	12
263824081513702	FORT MYERS WATER SYSTEM (SURFACE)	DO.	80-02-19	6.6	65	11
264300081355501	OAK PARK MOBILE HOME VILLAGE	DO.	80-02-21	5.8	100	18
264306081433301	RIVER LAWN TERRACE MOBILE HOME PARK	DO.	80-02-21	50	43	27
302513084161001	TALLAHASSEE, LOCAL WELL NO. 12	LEON	80-04-18	12	35	9.0
292847082510801	CHIEFLAND, LOCAL WELL NO. 2	LEVY	80-03-31	4.7	67	1.8
302632084583201	BRISTOL, LOCAL WELL NO. 3	LIBERTY	80-04-17	20	39	9.2
302821082245601	MADISON, AT S.R. 53 AND S.R. 145	MADISON	80-04-14	8.7	44	7.3
272935082335000	BRADENTON, WARD LAKE (SURFACE)	MANATEE	80-02-22	2.9	45	11
272935082212000	LAKE MANATEE NEAR BRADENTON (SURFACE)	DO.	80-02-22	5.0	11	5.4
290339082032001	BELLEVUE, LOCAL WELL NO. 2	MARION	80-03-05	12	58	12
270109080281001	INDIANTOWN, LOCAL WELL NO. 2	MARTIN	80-02-26	--	--	--
271120080141501	STUART, LOCAL WELL NO. 22	DO.	80-02-27	15	100	3.1

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NAME	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	ALKA- LITY (MG/L AS CAC03) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
PORT SAINT JOE (SURFACE)	5.5	.9	8.6	.1	.0	169	110	0	110	--
JASPER WATER PLANT	5.8	1.1	8.9	.4	200	567	390	190	200	855
WAUCHULA WATER PLANT	8.9	1.9	12	.6	250	574	400	270	130	760
CLEWISTON (SURFACE)	49	4.7	76	.3	45	344	150	51	100	600
PORT LABELLE	110	8.9	110	.5	51	630	260	0	320	1050
BROOKSVILLE	5.6	.3	9.2	.2	13	227	190	10	180	385
SPRING LAKE	9.7	1.7	13	.4	21	162	120	17	100	298
SEBRING	4.3	.4	6.4	.1	6.3	82	64	7	57	150
TAMPA (SURFACE)	9.8	1.6	15	.2	20	198	140	15	120	303
BRANDON	6.8	.5	13	.2	57	244	170	63	110	379
MORRIS BRIDGE WELL FIELD	6.5	.5	11	.2	6.6	325	270	0	280	538
HAINES CITY	9.0	1.1	13	.2	6.2	160	120	3	120	279
BONIFAY	1.7	.3	3.1	.0	.0	136	110	0	110	232
VERO BEACH	15	1.1	28	.4	36	394	320	88	230	630
MARIANNA	11	.8	11	.1	.9	221	180	18	160	410
MONTICELLO	2.6	.4	4.6	.2	1.3	167	140	0	140	292
MAYO	4.0	.3	6.1	.1	13	132	100	20	82	215
CLERMONT	6.6	.7	9.4	.2	1.4	189	160	0	160	315
TAVARES	6.1	1.1	8.4	.1	.1	139	120	1	120	253
MOUNT DORA	7.2	1.1	11	.1	7.1	133	110	10	100	242
EUSTIS	5.7	1.3	8.2	.2	3.1	110	88	1	87	200
LEESBURG	4.9	.8	7.6	.1	.0	151	130	0	130	263
IMPERIAL HARBOR	130	9.4	280	.6	81	913	400	150	250	1500
TAHITI MOBILE HOME PARK	290	12	600	1.4	130	1420	510	320	180	2500
CAPE CORAL WATER PLANT	260	19	500	2.1	130	1240	450	250	200	--
LEE COUNTY (SURFACE)	40	4.7	67	.3	38	326	160	45	110	560
FORT MYERS (SURFACE)	41	3.8	72	.3	28	392	210	28	180	680
OAK PARK	15	.9	35	.2	24	406	320	14	310	690
RIVER LAWN TERRACE	63	6.6	120	1.0	18	466	220	20	200	820
TALLAHASSEE	2.6	.5	4.6	.2	.0	148	120	5	120	282
CHIEFLAND	2.4	.5	7.8	.1	28	224	170	45	130	323
BRISTOL	7.0	2.2	4.1	.3	.0	181	140	0	150	330
MADISON	2.9	.5	6.6	.2	.0	163	140	0	140	298
BRADENTON (SURFACE)	13	3.5	22	.3	87	266	160	97	63	398
LAKE MANATEE (SURFACE)	5.1	2.6	11	.3	23	110	51	28	23	142
BELLEVUE	6.0	.8	8.5	.2	68	261	200	65	130	398
INDIANTOWN	--	--	18	.2	2.5	--	--	--	236	490
STUART	28	1.0	44	.2	5.5	381	260	0	295	590

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NAME	DATE OF SAMPLE	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM COBALT UNITS) (00080)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
PORT SAINT JOE (SURFACE)	80-04-17	--	--	0	260
JASPER WATER PLANT	80-04-28	7.6	22.0	0	480
WAUCHULA WATER PLANT	80-02-19	7.2	27.0	10	29000
CLEWISTON (SURFACE)	80-02-20	7.9	20.0	50	960
PORT LABELLE	80-02-21	7.3	25.5	20	610
BROOKSVILLE	80-02-19	7.3	23.0	5	230
SPRING LAKE	80-03-14	8.0	24.0	5	7400
SEBRING	80-03-14	8.3	28.0	5	2200
TAMPA (SURFACE)	80-02-20	7.4	16.5	50	300
BRANDON	80-02-20	7.7	19.5	10	820
MORRIS BRIDGE WELL FIELD	80-02-20	7.3	24.5	15	270
HAINES CITY	80-02-22	--	27.0	5	140
BONIFAY	80-04-15	7.7	22.0	0	20
VERO BEACH	80-03-26	7.0	27.0	50	650
MARIANNA	80-04-15	7.6	21.0	0	160
MONTICELLO	80-04-14	7.7	21.0	0	60
MAYO	80-03-31	8.0	22.0	5	30
CLERMONT	80-03-18	7.8	23.5	0	100
TAVARES	80-03-18	8.4	24.5	0	80
MOUNT DORA	80-03-18	7.9	23.0	0	50
EUSTIS	80-03-18	8.1	24.5	0	80
LEESBURG	80-03-18	8.2	24.0	0	70
IMPERIAL HARBOR	80-02-19	7.5	24.5	5	1300
TAHITI MOBILE HOME PARK	80-02-19	7.6	24.5	5	3800
CAPE CORAL WATER PLANT	80-02-19	--	--	5	10000
LEE COUNTY (SURFACE)	80-02-19	8.2	19.5	50	820
FORT MYERS (SURFACE)	80-02-19	7.5	19.5	50	740
OAK PARK	80-02-21	6.9	25.0	5	370
RIVER LAWN TERRACE	80-02-21	7.5	22.0	5	1500
TALLAHASSEE	80-04-18	7.7	22.0	0	70
CHIEFLAND	80-03-31	7.4	23.0	5	60
BRISTOL	80-04-17	7.9	23.0	5	390
MADISON	80-04-14	7.6	22.0	0	40
BRADENTON (SURFACE)	80-02-22	6.6	18.5	80	2200
LAKE MANATEE (SURFACE)	80-02-22	7.3	19.0	140	900
BELLEVIEW	80-03-05	7.8	24.5	5	710
INDIANTOWN	80-02-26	7.2	24.5	5	--
STUART	80-02-27	7.5	24.5	5	600

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	SILICA, DIS- SOLVED (MG/L AS SiO ₂) (00955)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
250524080264401	ROCK HARBOR, NEAR KEY LARGO	MONROE	80-02-25	15	150	260
304020081272005	FERNANDINA, LOCAL WELL N-7	NASSAU	80-02-28	34	74	40
303435081271401	AMELIA ISLAND, LOCAL WELL N-46	DO.	80-02-28	32	58	32
304118081550301	HILLIARD, LOCAL WELL N-94	DO.	80-03-03	35	65	31
304537086340601	CRESTVIEW TREATMENT PLANT, LOCAL WELL NO. 1	OKALOOSA	80-04-15	14	25	11
271150080500090	OKEECHOBEE TREATMENT PLANT (SURFACE)	OKEECHOBEE	80-03-14	3.7	20	6.9
283353081222401	ORLANDO, CITY WELL NO. 2 AT LAKE IVANHOE	ORANGE	80-03-04	11	34	8.1
283608081211601	WINTER PARK, CITY WELL NO. 3 AT SWOPE AVE. PLANT	DO.	80-03-04	9.0	40	9.9
283743081214501	MAITLAND, LOCAL WELL NO. 4	DO.	80-03-05	10	36	8.1
284352081361701	ZELLWOOD, JONES WELL NEAR WASHINGTON AVE.	DO.	80-03-06	12	26	8.6
282552081345301	REEDY CREEK UTILITIES, LOCAL WELL NO. 10	DO.	80-03-12	9.1	25	5.2
282531081082201	COCOA WELL FIELD, LOCAL WELL NO. 14	DO.	80-03-27	22	120	13
281456081161101	SAINT CLOUD WATER TREATMENT PLANT	OSCEOLA	80-03-12	14	53	7.9
265600080075801	JUPITER WATER DEPARTMENT, LOCAL WELL NO. 6	PALM BEACH	80-02-25	--	--	--
264125080404300	BELLE GLADE WATER COMPANY (SURFACE)	DO.	80-02-26	5.3	42	15
264930080400501	PAHOKEE, ON LAKE OKEECHOBEE (SURFACE)	DO.	80-02-26	11	40	15
264837080364501	BRYANT, ON LAKE OKEECHOBEE (SURFACE)	DO.	80-02-26	10	39	15
282228082402001	HUDSON WATER TREATMENT PLANT	PASCO	80-02-19	6.4	69	6.5
281500082384501	NEW PORT RICHEY, LOCAL WELL W-3	DO.	80-02-21	8.6	56	2.6
275748082434801	CLEARWATER, LOCAL WELL NO. 45	PINELLAS	80-02-21	22	130	12
280311081543101	LAKELAND, LOCAL WELL NO. 15	POLK	80-02-22	19	63	14
280210081430601	WINTER HAVEN, FAIRFAX PLANT WELL NO. 1	DO.	80-02-22	13	39	7.4
275353081503301	BARTOW PLANT, CITY WELL NO. 1	DO.	80-02-22	17	110	25
292541081302701	CRESCENT CITY TREATMENT PLANT, ARTESIAN WELL	PUTNAM	80-03-19	10	40	5.8
293805081382901	PALATKA, LOCAL WELL NO. 7	DO.	80-03-19	13	59	28
295131081165301	ANASTASIA ISLAND, LOCAL WELL SJ-109	ST. JOHNS	80-02-27	23	120	62
301324081233701	SAINT JOHNS UTILITIES, LOCAL WELL SJ-53	DO.	80-03-05	28	68	32
272507080190201	FORT PIERCE, LOCAL WELL NO. 15	ST. LUCIE	80-02-27	9.3	100	12
303834087024801	MILTON, INTERSECTION OF GRACE AND BYROM STREETS	SANTA ROSA	80-04-16	6.7	.4	.3
270242082142401	NORTH PORT CHARLOTTE (SURFACE)	SARASOTA	80-02-20	2.5	22	6.9
265712082205601	ENGLEWOOD, LOCAL WELL NO. 11	DO.	80-02-21	15	89	5.5
270534082261701	VENICE, LOCAL WELL NO. 4 (405 FEET)	DO.	80-02-21	27	270	190
270557082251501	VENICE, LOCAL WELL NO. 37 (130 FEET)	DO.	80-02-21	21	140	43
284705081192001	SANFORD, LOCAL WELL NO. 1	SEMINOLE	80-03-05	8.9	44	6.9
283855081192801	CASSELBERRY, ON S.R. 436, SOUTH OF CANNON WAY	DO.	80-03-06	10	31	7.6
285139082015801	WILDWOOD, LOCAL WELL NO. 5	SUMTER	80-03-05	9.7	52	2.5
295734082554301	BRANFORD, LOCAL WELL NO. 3	SUWANNEE	80-03-31	9.5	130	49
300710083350501	PERRY WATER PLANT, LOCAL WELL NO. 3	TAYLOR	80-04-14	6.5	49	13
300107082204501	LAKE BUTLER, FOURTH STREET WELL	UNION	80-04-28	18	39	14

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NAME	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	ALKA- LITY (MG/L AS CAC03) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
ROCK HARBOR	2500	92	4100	1.7	690	8450	1500	1300	180	14200
FERNANDINA	31	2.4	49	.6	180	512	350	190	160	775
AMELIA ISLAND	18	1.9	24	.7	120	382	280	130	150	575
HILLIARD	19	1.7	27	.6	120	412	290	130	160	610
CRESTVIEW	4.2	1.7	2.9	.1	6.6	--	110	0	110	242
OKEECHOBEE (SURFACE)	23	2.8	34	.2	22	175	79	27	52	282
ORLANDO	6.9	.8	9.8	.2	5.2	147	120	9	110	260
WINTER PARK	7.5	1.0	11	.2	10	178	140	11	130	313
MAITLAND	5.7	.7	8.9	.2	3.6	152	120	3	120	268
ZELLWOOD	5.3	.7	7.4	.2	3.9	125	100	1	99	230
REEDY CREEK UTILITIES	2.9	.4	4.3	.1	2.4	95	84	4	80	176
COCOA WELL FIELD	37	2.2	59	.2	82	514	360	140	220	760
SAINT CLOUD	11	1.1	12	.2	40	232	170	26	140	375
JUPITER	--	--	31	.2	4.3	--	--	--	292	585
BELLE GLADE (SURFACE)	50	5.1	82	.4	50	382	170	27	141	510
PAHOKEE (SURFACE)	54	4.9	79	.3	49	372	160	28	135	510
BRYANT (SURFACE)	51	4.8	79	.3	49	358	160	29	131	505
HUDSON	57	1.7	110	.1	20	379	200	49	150	679
NEW PORT RICHEY	4.1	.5	7.1	.2	6.0	172	150	11	140	321
CLEARWATER	95	2.1	230	.2	20	659	370	99	200	1080
LAKELAND	7.4	.9	11	.4	1.6	246	220	0	220	405
WINTER HAVEN	7.3	1.2	10	.2	12	163	130	8	120	271
BARTOW PLANT	9.2	1.1	12	.5	230	523	380	220	160	755
CRESCENT CITY	13	1.0	22	.3	2.3	171	120	4	120	288
PALATKA	81	2.3	190	.2	53	556	260	150	110	900
ANASTASIA ISLAND	61	4.8	120	1.1	380	908	560	440	120	1275
SAINT JOHNS UTILITIES	21	2.1	32	1.1	150	436	310	170	140	625
FORT PIERCE	63	3.0	140	.3	52	593	300	71	230	865
MILTON	1.5	.1	3.0	.0	.0	15	2	1	1	18
NORTH PORT CHARLOTTE (SURFACE)	16	1.8	30	.4	27	186	84	34	50	245
ENGLEWOOD	17	.7	26	.2	2.4	320	250	6	240	500
VENICE	200	7.6	470	1.8	1200	2780	1500	1300	130	3400
VENICE	38	3.0	59	.6	300	787	530	340	190	1080
SANFORD	7.1	.9	12	.1	12	164	140	18	120	312
CASSELBERRY	5.4	.7	8.1	.2	3.2	129	110	0	110	243
WILDWOOD	5.3	.4	8.5	.1	6.0	187	140	0	150	315
BRANFORD	5.0	1.2	5.0	.4	360	718	530	360	170	941
PERRY	4.3	1.0	7.2	.2	4.0	207	180	0	180	375
LAKE BUTLER	6.4	.9	8.5	.3	16	206	160	7	150	357

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

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STATION NAME	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM COBALT UNITS) (00080)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
ROCK HARBOR	7.4	28.5	5	6500
FERNANDINA	7.4	25.5	5	770
AMELIA ISLAND	7.9	20.0	5	570
HILLIARD	7.1	25.5	5	500
CRESTVIEW	8.1	23.0	0	160
OKEECHOBEE (SURFACE)	7.6	23.0	70	440
ORLANDO	7.2	24.0	5	230
WINTER PARK	7.4	25.0	5	100
MAITLAND	7.5	22.5	5	140
ZELLWOOD	7.4	25.5	5	100
REEDY CREEK UTILITIES	7.9	25.0	5	120
COCOA WELL FIELD	7.2	22.5	10	1900
SAINT CLOUD	7.2	26.0	5	1300
JUPITER	7.1	24.0	30	--
BELLE GLADE (SURFACE)	8.0	20.5	50	1000
PAHOKEE (SURFACE)	8.0	20.0	50	1000
BRYANT (SURFACE)	8.1	20.0	50	1000
HUDSON	6.7	23.0	10	250
NEW PORT RICHEY	7.5	25.0	10	120
CLEARWATER	7.0	24.0	10	230
LAKELAND	7.1	26.5	10	100
WINTER HAVEN	7.9	27.0	5	120
BARTOW PLANT	7.8	26.0	5	3300
CRESCENT CITY	8.0	22.5	10	110
PALATKA	7.7	23.5	5	1700
ANASTASIA ISLAND	7.4	20.5	5	5500
SAINT JOHNS UTILITIES	7.2	27.5	5	3000
FORT PIERCE	7.3	24.0	40	1400
MILTON	6.0	22.0	0	3
NORTH PORT CHARLOTTE (SURFACE)	--	16.0	16	380
ENGLEWOOD	7.1	25.5	30	530
VENICE	7.0	21.0	5	15000
VENICE	7.0	25.5	5	3300
SANFORD	7.3	24.0	5	80
CASSELBERRY	7.8	26.0	5	160
WILDWOOD	7.8	24.0	5	130
BRANFORD	7.4	23.5	5	3100
PERRY	7.5	23.0	0	50
LAKE BUTLER	8.0	24.0	0	1300

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLE	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
290156081183401	DELAND WATER PLANT, LOCAL WELL NO. 3	VOLUSIA	80-03-11	8.0	56	9.0
291032081065201	DAYTONA BEACH, LOCAL WELL NO. 49 (OLD WELL NO. 48)	DO.	80-03-11	19	110	.8
301028084223802	CRAWFORDVILLE, LOCAL WELL NO. 1	WAKULLA	80-04-18	8.4	46	3.1
304310086070601	DEFUNIAK SPRINGS, LOCAL WELL NO. 3	WALTON	80-04-15	9.4	18	6.0
304652085321401	CHIPLEY, CITY WELL NO. 2	WASHINGTON	80-04-15	7.3	35	1.6
301532085352400	BAY COUNTY, DEER POINT LAKE (SURFACE)	BAY	80-04-10	2.9	4.3	.8
283931080514701	MIMS, S.R. 46 AT POST OFFICE (SURFACE)	BREVARD	80-03-10	7.8	120	6.3
271313081053501	BRIGHTON SEMINOLE INDIAN RESERVATION	GLADES	80-02-20	14	55	35
264101080433801	SOUTH BAY, LAKE OKEECHOBEE (SURFACE)	PALM BEACH	80-02-26	4.3	44	15
295227081210001	SAINT AUGUSTINE, COMPOSITE (SURFACE)	ST. JOHNS	80-02-27	2.5	120	2.3

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NAME	SODIUM- DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM- DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS- RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	ALKA- LITY (MG/L AS CACO3) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
DELAND	6.9	.9	11	.4	15	212	150	4	150	365
DAYTONA BEACH	22	1.9	46	.1	15	246	180	37	140	410
CRAWFORDVILLE	16	.9	27	.2	.0	365	280	0	280	538
DEFUNIAK SPRINGS	3.5	.5	6.3	.2	7.9	161	130	8	120	295
	2.1	.7	3.0	.1	1.4	91	70	3	67	163
CHIPLEY	1.7	.2	3.3	.1	.0	119	94	0	96	206
BAY COUNTY (SURFACE)	2.7	.3	5.7	.0	5.1	19	14	0	17	48
MIMS (SURFACE)	23	1.6	36	.1	79	436	330	97	230	750
BRIGHTON SEMINOLE	66	4.6	150	.6	200	646	300	220	82	1080
SOUTH BAY (SURFACE)	51	4.9	80	.3	50	383	170	42	--	320
SAINT AUGUSTINE (SURFACE)	--	1.1	26	.1	72	364	310	90	220	--

SUPPLEMENTARY DATA II--RAW PUBLIC WATER SUPPLIES: WATER QUALITY DATA--CONTINUED

STATION NAME	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM COBALT UNITS) (00080)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
DELAND	7.8	24.0	5	250
DAYTONA BEACH	7.3	21.5	15	400
CRAWFORDVILLE	7.9	22.0	0	210
DEFUNIAK SPRINGS	8.0	21.5	0	40
CHIPLEY	7.8	20.0	0	20
BAY COUNTY (SURFACE)	6.9	--	0	70
MIMS (SURFACE)	7.3	23.0	20	830
BRIGHTON SEMINOLE	7.6	26.0	5	15000
SOUTH BAY (SURFACE)	8.0	20.0	40	1100
SAINT AUGUSTINE (SURFACE)	8.0	17.5	10	550

SUPPLEMENTARY DATA III: TREATED PUBLIC WATER SUPPLIES:
SITE DESCRIPTIONS

Alachua, Gainesville, spigot on south side of Shell station at S.R. 121 and 25.

Baker, Macclenny, spigot in northwest corner of playground south of U.S. 90 between S.R. 121 and 228.

Bay, Bay County Water System, spigot on back wall of Junior Food Store in the Springfield Plaza.

Do. Lynn Haven, spigot on east side of fire department building by "City Commission Meeting Room."

Brevard, Cocoa, faucet on northeast side of bath house in Shepard Park.

Do. Melbourne, spigot at north end of Chevron station at S.R. 1A and Ocean Boulevard, 0.3 mile south of S.R. 404.

Do. Mims, faucet near intersection of S.R. 46 and R.R. in downtown area.

Broward, Fort Lauderdale, spigot in office on U.S. 441 between Davie Boulevard and S.R. 84.

Do. Sunrise, tap in laboratory of treatment plant on Springtree Drive.

Calhoun, Blountstown, spigot in municipal vehicle parking lot of city hall.

Charlotte, Alligator Utilities, tap on west side of trailer No. 28 in Alligator Park Trailer Court.

Do. Punta Gorda, spigot of 325 West William Street.

Citrus, Inverness, faucet on south side of sheriff's department, near kitchen entry.

Clay, Green Cove Springs, spigot on northwest corner of community center.

Do. Orange Park (Meadowbrook), spigot inside sewage treatment site.

Collier, Capri Water Works, spigot at 67 Pelican Street.

Do. Marco Island, spigot at 451 South Garfield.

Do. Everglades Shores, spigot at Standard Oil station, U.S. 41, $\frac{1}{2}$ mile east of Ochopee Post Office.

Do. Hitching Post Mobile Home Park, faucet at extreme south end of park at horse pen.

Do. Immokalee, faucet at Lake Trafford Campgrounds and Marina.

Columbia, Lake City, spigot at fruit stand at intersection of U.S. 90 and S.R. 41.

Dade, Miami Orr Plant, tap in plant operator's office on S.W. 87th Avenue.

De Soto, Arcadia, tap at northeast corner of fire station.

Dixie, Cross City, support at south end of Standard Oil station, intersection of Camp Street and U.S. 19.

Duval, Atlantic Beach, spigot on northwest corner of Atlantic Beach Apartments building.

Do. Atlantic Dry Dock, Inc. spigot at end of dock about 200 yards south of local well D-255.

Do. Baldwin, spigot in front of plant supervisor's home, on Main Street 0.4 mile south of U.S. 90.

Do. Blount Island, spigot on southeast corner of the easternmost warehouse.

Do. Jacksonville Beach, spigot at bus stop, southeast corner of 3rd Street South and 37th Avenue South.

Duval, Jacksonville, spigot at northwest corner of intersection of Highland Avenue and Art Museum Drive.

SUPPLEMENTARY DATA III: TREATED PUBLIC WATER SUPPLIES:
SITE DESCRIPTIONS--Continued

Do. Jacksonville International Airport, spigot at northeast corner of U.S. Mail facility, near Customs Building.

Do. Mayport, spigot on southeast side of restrooms at public boat ramp at end of North Ocean Street.

Escambia, Pensacola, spigot on east side of Junior Food Store, south side of U.S. 90 (Cervantes).

Flagler, Flagler Beach, spigot on south side of car wash, intersection of 23rd Street and S.R. 1A.

Franklin, Apalachicola, spigot at library, near water tower.

Gadsden, Quincy, faucet in rear of Florida Highway Patrol Station, on U.S. 90, 2.6 miles west of S.R. 267.

Gilchrist, Trenton, faucet in lab of sewage treatment plant on S.R. 47, 0.6 mile north of U.S. 129.

Glades, Brighton Seminole Indian Reservation, spigot outside of reservation administration office.

Do. Lakeport, sample from fire hydrant off Robinson Road.

Do. Moore Haven, sample from gate valve of pipe one block west of West City Limits Road.

Gulf, Port Saint Joe, spigot on east side of post office, intersection of U.S. 98 and 2nd Street.

Do. Wewahitchka, spigot on east wall of city hall between entrance doors and door of ambulance garage.

Hamilton, Jasper, spigot at rear of city hall in municipal vehicle complex.

Hardee, Wauchula, tap on east side of fire station, on 4th Avenue near Main Street.

Hendry, Clewiston, spigot near equipment shed on Bixby Farm.

Do. Port Labelle, faucet at end of water line, one mile east of town.

Hernando, Brooksville, faucet at rear of city hall near water tank.

Highlands, Sebring, valve between mobile homes, 3424 and 3436 De Soto City Road.

Do. Spring Lake, spigot at drinking fountain at Spring Lake Racquet Club, 2 miles west of treatment plant.

Hillsborough, Brandon, tap outside of kitchen at Yates School, intersection of S.R. 60 and Kings Way.

Do. Morris Bridge well field, tap behind Morrison's Cafeteria on S.R. 581.

Do. Tampa, sink in maintenance shop of public library, 900 North Ashley Street.

Holmes, Bonifay, faucet on northwest corner of old fire station.

Indian River, Vero Beach, faucet painted red in park across from Riverside Theatre, intersection of Indian River Drive and S.R. 60.

Jackson, Marianna, spigot in alley behind city hall at Green and Jefferson Streets.

Jefferson, Monticello, spigot by digester at the water treatment plant.

Lafayette, Mayo, spigot at pump on unnamed dirt road $\frac{1}{4}$ mile east of Willis Avenue, east of town.

Lake, Clermont, spigot on east side of north office at treatment plant on S.R. 561-A.

SUPPLEMENTARY DATA III: TREATED PUBLIC WATER SUPPLIES:
SITE DESCRIPTIONS--Continued

- Do. Eustis, faucet in parking area off Lakeshore Drive, 0.3 mile west of U.S. 19.
- Do. Leesburg, spigot in rear of Boys Club on 9th Street near Sumter Street.
- Do. Mount Dora, spigot in park across from city hall near intersection of Baker Street and 5th Avenue.
- Do. Tavares, spigot in rear of picnic building on Wells Avenue, east of the Dora Canal.
- Lee, Boca Grande, tap near table at northeast end of county park, 100 yards northeast of lighthouse.
- Do. Cape Coral, tap at city hall.
- Do. Fort Myers, tap in laboratory sink at treatment plant.
- Do. Imperial Harbor Mobile Home Park, tap at office near intersection of Boron and Kings Road.
- Do. Lee County Water System, faucet outside of recreation building at Jamaca Bay West Mobile Home Park.
- Do. Oak Park Mobile Home Park, faucet in sink of recreation hall.
- Do. River Lawn Terrace Mobile Home Park, faucet at trailer No. 31 in park.
- Do. Tahiti Mobile Home Park, hydrant at office of park.
- Leon, Tallahassee, spigot on pump island of Dixie Food Store at 2807 South Monroe Street.
- Levy, Chiefland, spigot on southwest corner of Farmers Home Administration Building.
- Liberty, Bristol, spigot behind post office building off S.R. 20.
- Madison, Madison, spigot in front of city hall, adjacent to western historical marker.
- Manatee, Bradenton, tap on northeast corner of city hall, intersection of Manatee Avenue and 15th Street West.
- Do. Manatee County, tap in sink on second floor of water plant laboratory, on Dam Road off S.R. 64.
- Marion, Belleview, spigot on northeast corner of sewage plant building.
- Martin, Indiantown, faucet outside private home at 14706 174th Court.
- Do. Stuart, faucet at Exxon station on U.S. 1 north of intersection with S.R. 726.
- Monroe, Rock Harbor, faucet in laboratory of treatment plant near U.S. 1.
- Nassau, Amelia Island, spigot at southeast corner of general store at Plantation, off S.R. 105-A.
- Do. Fernandina, spigot at dock at west end of Center Street, 0.5 mile west of treatment plant.
- Do. Hilliard, spigot in front of private residence, about 1 mile from treatment plant, off S.R. 108, 0.2 mile east of U.S. 1.
- Okaloosa, Crestview, spigot at east end of pump island of Exxon station across from court house on U.S. 90.
- Okeechobee, Okeechobee, spigot on water line of high pressure service pump at Okeechobee High School.
- Orange, Maitland, spigot on sprinkler riser near telephone booth at southwest corner of tennis court in city park, corner of Horatio Avenue and Oakleigh Drive.

SUPPLEMENTARY DATA III: TREATED PUBLIC WATER SUPPLIES:
SITE DESCRIPTIONS--Continued

Do. Orlando, faucet in sink in room 232, Federal Building, 80 North Hughey Avenue.

Do. Reedy Creek Utilities, faucet on west side of Fort Wilderness Ice House at Disney World.

Do. Winter Park, faucet in kitchen of private home at 503 Berwick Drive, near Smiley Drive.

Do. Zellwood, faucet on east wall of fire department station on Washington Avenue, near U.S. 441.

Osceola, Saint Cloud, green spigot near intersection of Lakeshore Road and Pennsylvania Avenue.

Palm Beach, Belle Glade, faucet in rear of mess hall at Runyon Camp on U.S. 441, 5 miles northeast of treatment plant.

Do. Bryant, faucet on west side of administration office at treatment plant on U.S. 98.

Do. Jupiter, faucet at U.S. Geological Survey office, 308 Tequesta Drive.

Do. Pahokee, faucet outside of old store about 1 mile north of junction of U.S. 441 and U.S. 98, near Canal Point.

Do. South Bay, faucet outside of city hall on U.S. 27.

Pasco, Hudson Community Water Works, faucet at plant office on Main Street.

Do. New Port Richey, faucet in courtroom area of Pasco County Government Building on S.R. 587, 1.5 miles south of S.R. 587A.

Pinellas, Clearwater, faucet at air and water outlets at Amoco station, intersection of U.S. 19 and Drew Street.

Polk, Bartow, faucet at drinking fountain on George Pittas Ball Field near civic center.

Do. Haines City, spigot on gas island at police department on 5th Street.

Do. Lakeland, faucet at fire hydrant on northeast corner of Combee Road and North Canal Street.

Do. Winter Haven, tap on fire hydrant, intersection of U.S. 17 and Haven Dale Boulevard.

Putnam, Crescent City, spigot on north wall of city hall on Summit Avenue.

Do. Palatka, spigot on west side of College Park Baptist Church on U.S. 20.

Saint Johns, Anastasia Island, spigot in back of ranger's station at state park campground on S.R. 1A1A.

Do. Saint Augustine, faucet at southeast corner of laundry building at Florida School for Deaf and Blind on S.R. 1A1A.

Do. Saint Johns Utilities, spigot in northwest corner of maintenance campground near S.R. 203.

Saint Lucie, Fort Pierce, faucet between buildings at Turtle Reef Club on S.R. 1A1A, about .5 mile north of Martin County line.

Santa Rosa, Milton, spigot adjacent to condenser behind city hall on Dixon Street.

Sarasota, Englewood, spigot on south side of Health Department building on S.R. 775.

Do. North Port Charlotte, tap behind private residence at 169 Alam Avenue.

Do. Venice, faucet at shower on southeast corner of concession building at the Venice fishing pier.

SUPPLEMENTARY DATA III: TREATED PUBLIC WATER SUPPLIES
SITE DESCRIPTIONS--Continued

Seminole, Casselberry, faucet outside of Super-X Drug store delivery door No. 938, Casselberry Square Shopping Center on S.R. 436.
Do. Sanford, spigot east of Jay Cee Building, near intersection of U.S. 17-92 and West 5th Street.
Sumter, Wildwood, spigot at Exxon station on U.S. 301 south of Florida Turnpike.
Suwannee, Branford, spigot on east side of fire department building on Haines Street.
Taylor, Perry, spigot on alley behind Water Department office, Ellis and Drew Streets.
Union, Lake Butler, spigot on northwest wall of city hall on S.R. 100.
Volusia, Daytona Beach, spigot on pump island at Fina service station, intersection of S.R. A1A and U.S. 92.
Do. Deland, spigot inside east wall of Mobil service station, just south of junctions of U.S. 17 and 92.
Wakulla, Crawfordville, spigot on south side of Wakulla County State Bank on U.S. 319.
Walton, Defuniak Springs, spigot on west lawn of city hall on U.S. 90.
Washington, Chipley, spigot on west end of pump island at Spur gas station on U.S. 90 and Pecan Avenue.

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