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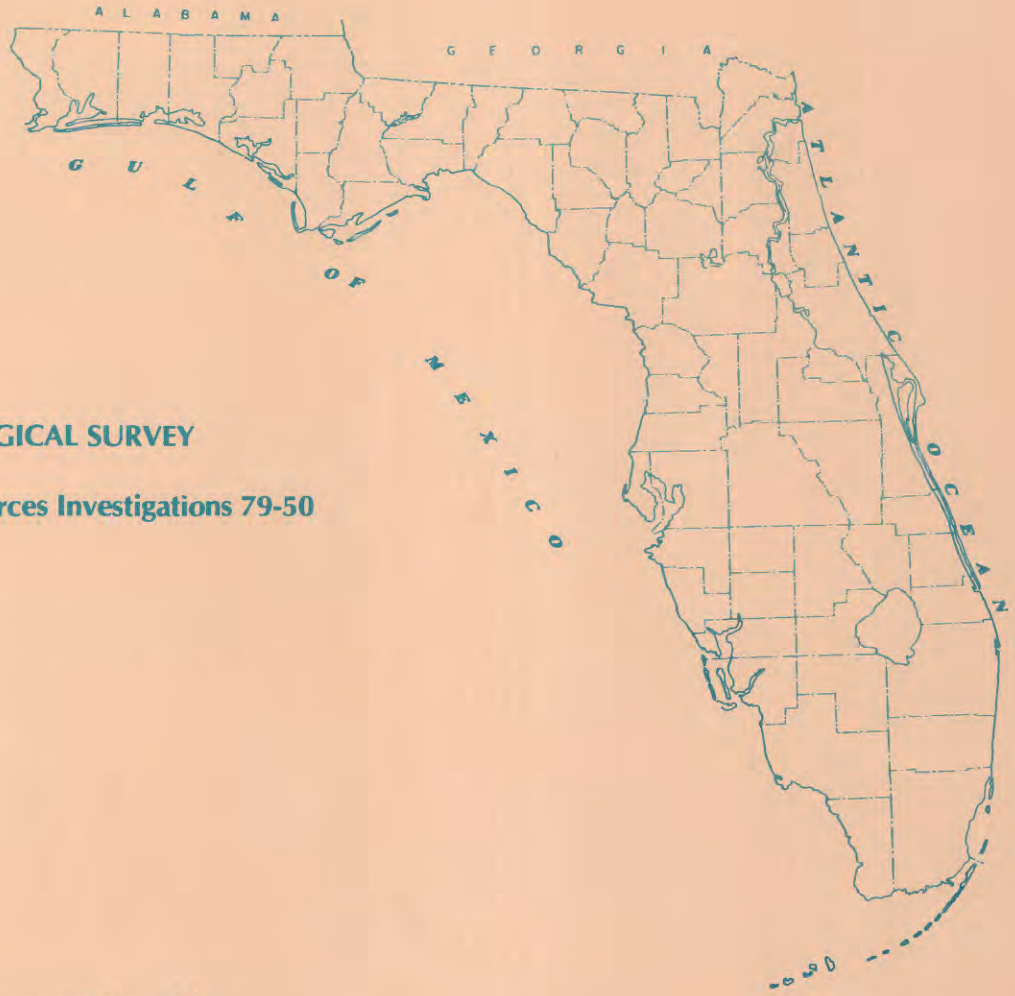
CHEMICAL, PHYSICAL, AND RADIOLOGICAL QUALITY OF SELECTED PUBLIC WATER SUPPLIES IN FLORIDA, NOVEMBER 1977–FEBRUARY 1978



U.S. GEOLOGICAL SURVEY

Water-Resources Investigations 79-50

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1979

UNITED STATES DEPARTMENT OF THE INTERIOR

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CHEMICAL, PHYSICAL, AND RADIOLOGICAL QUALITY OF SELECTED PUBLIC WATER SUPPLIES IN FLORIDA, NOVEMBER 1977-FEBRUARY 1978

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ABSTRACT

Virtually all treated public water supplies sampled in Florida meet the National Interim Primary and Proposed Secondary Drinking Water Regulations. These findings are based on a water-quality reconnaissance of 129 treated public supplies throughout the State during the period November 1977 through February 1978.

While primary drinking water regulation exceedences were infrequent, lead, selenium, and gross alpha radioactivity in a very few water supplies were above established maximum contaminant levels. Additionally, the secondary drinking water regulation parameters--dissolved solids, chloride, sulfate, iron, color, and pH--were occasionally detected in excess of the proposed Federal regulations. The secondary regulations, however, pertain mainly to the aesthetic quality of drinking water and not directly to public health aspects.

INTRODUCTION

On December 16, 1974, Public Law 93-523, commonly referred to as the "Safe Drinking Water Act" was adopted by the U.S. Congress and was signed into law by President Gerald R. Ford. As a result of this legislation, the U.S. Environmental Protection Agency on March 14, 1975, released in the Federal Register, the "National Interim Primary Drinking Water Regulations." A revision of the interim regulations was published in the Federal Register on December 24, 1975. Promulgation of the interim regulations was for 18 months subsequent to publication in December 1975. On June 24, 1977, the National Interim Primary Drinking Water Regulations went into effect. These regulations supersede, but closely parallel, the drinking water standards as set forth in 1962 by the U.S. Public Health Service.

A supplementary Federal Register issuance to the primary standards was released on July 9, 1976. These regulations added maximum contaminant levels for selected natural and man-made radioactivity. The effective date for the radioactivity regulations, June 24, 1977, was set to coincide with the initial primary regulations.

On March 31, 1977, the Environmental Protection Agency released in the Federal Register the proposed National Secondary Drinking Water Regulations. The secondary regulations were set forth to complement the primary regulations. They are, however, not Federally enforceable,

but are intended as guidelines for state policy. The secondary regulations mainly pertain to aesthetic qualities of drinking water.

The overall objective of the Safe Drinking Water Act is to encourage public water-supply agencies to provide water of high quality to users throughout the United States by establishing and maintaining national standards. This goal is to be achieved primarily by expanding the scope and level of water utility service, thus improving the quality and dependability of the nation's drinking water.

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 and the 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. The sampling emphasis was on the chemical variables 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 some of the chemical constituents determined during this reconnaissance were virtually unknown in many parts of Florida. One hundred and twenty seven treated and untreated public water supplies were sampled during the 1976 reconnaissance and the results are presented in Irwin and Healy, 1978.

During November 1977-February 1978 a second sampling reconnaissance was conducted. The scope of the reconnaissance for 1977-78 was essentially the same as for the 1976 sampling, except for a significant increase in the water quality parameter coverage. Additional analytical coverage for 1977-78 included secondary drinking water regulation parameters at all sites and gross radioactivity at selected sites.

DESCRIPTION OF THE SAMPLING PROGRAM

During the November 1977-February 1978 sampling reconnaissance a total of 129 public water supplies were sampled. Specifically, 116 public water supplies were sampled for primary and secondary drinking water regulation parameters, some excluding gross radioactivity. Gross radioactivity was determined for 90 public water supplies. A few supplies which were sampled in 1976 were sampled just for radioactivity

in 1977-78. Additional chemical analyses, such as major inorganic constituents and physical properties were performed on most of the supplies. A complete presentation of the 1977-78 analytical results are given beginning on page 41.

The chemical constituents of principal interest to the objectives of this study were those that have either established (primary regulations) or proposed (secondary regulations) maximum contaminant levels (MCL). A list of constituents and their respective maximum contaminant levels are as follows:

National Primary Drinking Water Regulations

Constituent	Maximum contaminant level in milligrams per liter[1/]
Arsenic (As)	0.05
Barium (Ba)	1.0
Cadmium (Cd)	.010
Chromium (Cr)	.05
Lead (Pb)	.05
Mercury (Hg)	.002
Selenium (Se)	.01
Silver (Ag)	.05
Endrin	.0002
Lindane	.004
Methoxychlor	.1
Toxaphene	.005
2,4-D	.1
2,4,5-TP (Silvex)	.01
Fluoride (F)	(see comments)
Nitrate (NO_3-N)	10.0
Radionuclides	(see comments)
Turbidity (NTU)	(see comments)

Fluoride: When the annual average daily air temperatures for the location in which the water supply system is located is the following, the maximum contaminant level for fluoride is:

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

Temperature, in degrees Fahrenheit	Temperature, in degrees Celsius	Maximum contaminant level in milligrams per liter
53.7 and below	12.0 and below	2.4
53.8 to 58.3	12.1 to 14.6	2.2
58.4 to 63.8	14.7 to 17.6	2.0
63.9 to 70.6	17.7 to 21.4	1.8
70.7 to 79.2	21.5 to 26.2	1.6
79.3 to 90.5	26.3 to 32.5	1.4

When adjusting fluoride concentrations with the addition of fluoride-containing compounds, State Health Department recommendations should be followed.

Radionuclides: The following are the maximum contaminant levels for radium-226, radium-228, gross alpha particle radioactivity, beta particle, and photon radioactivity:

a. Combined radium-226 and radium-228; 5 pCi/L (picocuries per liter).
b. Gross alpha particle activity (including radium-226, but excluding radon and uranium); 15 pCi/L.
c. The average annual concentration of beta particle and photon radioactivity from man-made radionuclides in drinking water shall not produce an annual dose equivalent to the total body or any internal organ greater than 4 millirem/year (rem, roentgen equivalent man).

Turbidity: The maximum contaminant level is a monthly average of 1 nephelometric turbidity unit (NTU) or 5 turbidity units (NTU) with State approval, provided it does not interfere with disinfection, maintenance of chlorine residual, or bacteriological testing.

Proposed 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)	1.0
Corrosivity	Non-corrosive
Foaming agents	.50
Hydrogen sulfide	.05
Iron (Fe)	.30
Manganese (Mn)	.05
Odor	3 threshold odor number
pH (units)	6.5-8.5
Sulfate (SO_4)	250
Total dissolved solids	500
Zinc (Zn)	5.0

METHODS AND PROCEDURES

Analytical Methods

The methods used in analyzing water for the parameters cited in this report, except as footnoted, are described in Brown, Skougstad, and Fishman (1970) and Goerlitz and Brown (1972) and Fishman and Brown (1976). Equivalency between the U.S. Geological Survey and the U.S. Environmental Protection Agency methods for Public Law 92-500 is documented in section 304(g) amended, Public Law 92-500, Federal Register, December 1, 1976. A summary of analytical methods and procedures for sample treatment for each chemical constituent and physical property 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

When required, preanalysis treatment of the water sample was performed in the field at the time of collection. As soon as possible after the samples were collected and treated they were transported either to the U.S. Geological Survey Central Water Quality Laboratory in Doraville, Ga., or to the U.S. Geological Survey Radiochemical Laboratory in Arvada, Colo., for subsequent analysis.

Specific conductance was generally determined both in the field and in the laboratory. The specific conductance value determined 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.

LOCATION OF SELECTED PUBLIC WATER SUPPLY SAMPLING SITES

The location of the public water supplies sampled during November 1977 through February 1978 are given in table 2. In addition to site location by county and city (usually), 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).

RESULTS

Public Surface-Water Supplies

During the November 1977 to February 1978 reconnaissance most of the principal public surface-water supplies in the State (table 2 and figures 1-4) were analyzed for those parameters included in the primary and secondary drinking water regulations. Analyses were also made for additional selected major inorganic chemical and physical parameters. A minimum of one sample (treated water) was collected and analyzed for each of the supplies and for most supplies an analysis was performed on both the raw and treated water. A list of the surface-water public supplies are given in table 2. A complete data presentation for each public supply is given beginning on page 41.

Table 1.--Summary of procedures for water-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 micrometer membrane filter	Colorimetric, molybdate blue
Calcium, dissolved (Ca)	Filtered, 0.45 micrometer membrane filter, acidified 1:1 HNO_3 to pH <2	Atomic absorption
Magnesium, dissolved (Mg)	do.	Do.
Sodium, dissolved (Na)	do.	Do.
Potassium, dissolved (K)	do.	Do.
Strontium, dissolved (Sr)	do.	Do.
Bicarbonate (HCO3)	None	Electrometric, titration
Sulfate, dissolved (SO_4)	Filtered, 0.45 micrometer membrane filter	Titration, thorin[1]
Chloride, dissolved (Cl)	do.	Titration, mercurimeteric
Fluoride, dissolved (F)	do.	Colorimetric, zirconium-eriochrome cyanine R[1]
Nitrate, total (NO_3-N)	Chilled to 4°C	Colorimetric, automated cadmium reduction[2]
Nitrite, total (NO_2-N)	do.	Colorimetric, automated diazotization[2]
Dissolved-solids (residue at 180°C)	Filtered-untreated, 0.45 micrometer membrane filter	Gravimetric
Specific conductance (micromhos/cm at 25°C)	None, measured on site	Wheatstone bridge
pH	do.	Electrometric
Color (Pt-Co units)	Chilled to 4°C	Pt-Co comparison
Hardness (Ca, Mg)		Calculated
Noncarbonate hardness		Do.
Percent sodium		Do.
Alkalinity as $CaCo_3$		Do.

(Footnotes appear at end of table.)

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

Chemical constituent or physical property	Sample treatment	Analytical method
Turbidity (NTU)	None	Nephelometric
Arsenic, total (A)	Acidified, 1:1 HNO_3 to pH <2	Atomic absorption, hydride[2]
Cadmium, total (Cd)	do.	Atomic absorption
Chromium, total (Cr)	do.	Do.
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[2]
Selenium, total (Se)	do.	Atomic absorption hydride[3]
Silver, total (Ag)	do.	Atomic absorption
Zinc, total (Zn)	do.	Do.
Organochlorine insecticides total	None	Multi-residue extraction gas chromatography
Chlorophenoxy acid herbicides, total	do.	Do.
Polychlorinated biphenyls, total (PCB)	do.	Do.
Gross radioactivity	Acidified, 20 ml conc. HCl per 2 liter sample	Proportional counter

1/ Brown, Skougstad, and Fishman (1970). [Note: USGS-EPA method equivalency is not indicated in section 304(g), Pub. L. 92-500, Federal Register, December 1, 1976.]
2/ U.S. Environmental Protection Agency, Methods Manual (1974). [Written commun. September 28, 1976.]
3/ U.S. Geological Survey, Provisional Method (1976). [Written commun. December 22, 1976.]

Table 2.--Location of Public Water Supplies sampled from November 1977 through February 1978.

County	Site	Figure number
Bay	Bay County Water System (surface water)	1
	Lynn Haven	1
	Mexico Beach	1
Brevard	Melbourne (surface water)	3
	Mims	3
Broward	Collier Estates	4
	Davie	4
	Pembroke Pines	4
	Sunrise	4
	Tamarac	4
Charlotte	Port Charlotte (surface water)	4
	Punta Gorda (surface water)	4
	Rotonda West	4
Citrus	Crystal River	3
Clay	Orange Park (Meadowbrook)	2
Collier	Immokalee	4
	Marco Island (surface water)	4
Columbia	Lake City	2
Dade	Florida City	4
	North Miami	4
	Rex Utilities (Florida City)	4
	South Miami Heights	4
De Soto	Arcadia	4
	G. Pierce Wood Memorial Hospital	4
Duval	Atlantic Beach	2
	Jacksonville	2
	Jacksonville Beach	2
	Jacksonville Suburban Utility	2
	Neptune Beach	2
Flagler	Bunnell	3
	Flagler Beach	3
	Palm Coast	3

Table 2.--Location of Public Water Supplies sampled from November 1977 through February 1978. (continued)

County	Site	Figure number
Franklin	Apalachicola	1
Gadsden	Chattahoochee (Florida State Hospital) (surface water)	2
	Havana	2
	Quincy (surface water)	2
Gulf	Port St. Joe (surface water)	1
	Wewahitchka	1
Hamilton	Jennings	2
	White Springs	2
Hardee	Zolfo Springs	4
Hendry	Clewiston (surface water)	4
Hernando	Ridge Manor	3
	Weeki Wachee	3
Highlands	Avon Park	4
Hillsborough	Carrolwood	3
	Ruskin	3
	Tampa (surface water)	3
	Temple Terrace	3
Indian River	Gifford	3
Jackson	Graceville	1
	Sneads	1
Lake	Clermont	3
	Eustis	3
	Groveland	3
	Mt. Dora	3
	Umatilla	3
Lee	Lee County Water System (surface water)	4
Leon	Woodville	2

Table 2.--Location of Public Water Supplies sampled from November 1977 through February 1978. (continued)

County	Site	Figure number
Levy	Chiefland	3
	Williston	3
Madison	Greenville	2
Manatee	Bradenton (surface water)	4
	Manatee County Water System (surface water)	4
Marion	Belleview	3
Martin	Hobe Sound	4
	Indiantown	4
Nassau	Callahan	2
	Fernandina Beach	2
	Hilliard	2
Okaloosa	Auburn	1
	Baker	1
Okeechobee	Okeechobee (surface water)	4
Orange	Conway (First Florida Utilities)	3
	Walt Disney World	3
Osceola	St. Cloud	3
Palm Beach	Belle Glade (surface water)	4
	Century Village Utilities	4
	First Florida Utilities	4
	Manalapan	4
	Pahokee (surface water)	4
	Palm Beach-Villa Del Ray	4
	West Palm Beach (surface water)	4
Pasco	Colonial Hills	3
	Delmar Corporation	3
	Forest Hills	3
	Holiday Lake Estates	3
	Hudson Community Water Works	3
	Port Richey	3
	San Antonio	3
	Zephyrhills	3

Table 2.--Location of Public Water Supplies sampled from November 1977 through February 1978. (continued)

County	Site	Figure number
Pinellas	Bellair	3
Polk	Fort Meade	3
	Lake Alfred	3
	Mulberry	3
	Wahneta	3
	Ridge Utilities	3
	Eaton Park	3
	Garden Grove	3
	Imperial Lakes	3
	Jan Phyl Village	3
	Frostproof	3
Putnam	Crescent City	2
	Interlachen	2
St. Johns	Anastasia Sanitary District	2
	Sawgrass	2
	St. Augustine (surface water)	2
St. Lucie	North Port St. Lucie	4
Santa Rosa	Navarre Beach	1
	Pace	1
Sarasota	Englewood	4
	North Port Charlotte (surface water)	4
	Sarasota	4
	Venice	4
	Venice Gardens	4
Seminole	Indian Hills	3
	Longwood	3
Sumter	Wildwood	3
Suwannee	Branford	2
Taylor	Keaton Beach	2
Union	Union Correctional Institute	2

Table 2.--Location of Public Water Supplies sampled from November 1977 through February 1978. (continued)

County	Site	Figure number
Volusia	Holly Hill	3
	Deltona	3
	New Smyrna Beach	3
Wakulla	Panacea	2
	St. Marks	2
Walton	South Walton County Utilities	1
	Paxton	1
Washington	Vernon	1

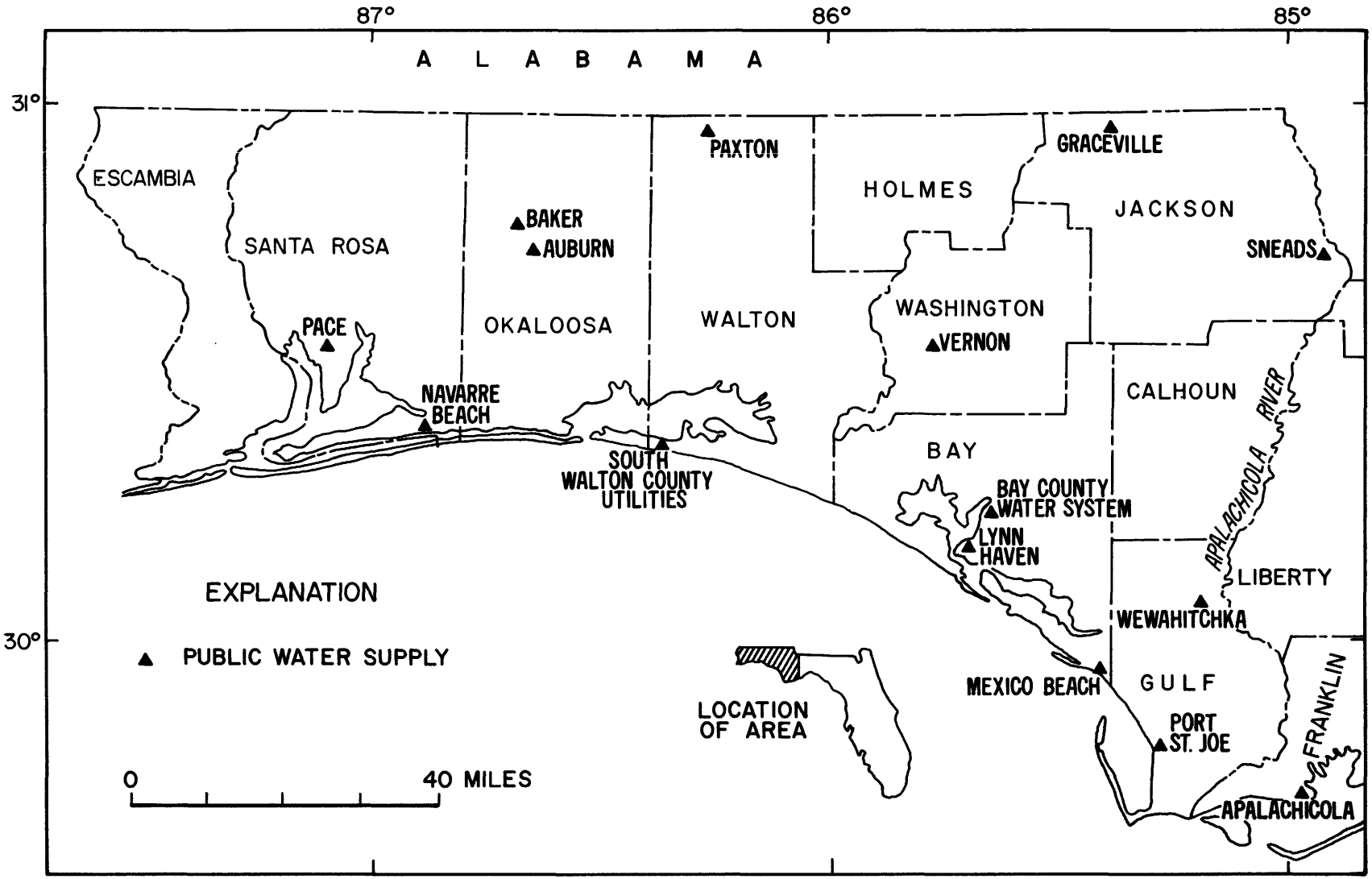

Figure 1.--Location of public water supply sampling sites in northwestern Florida.

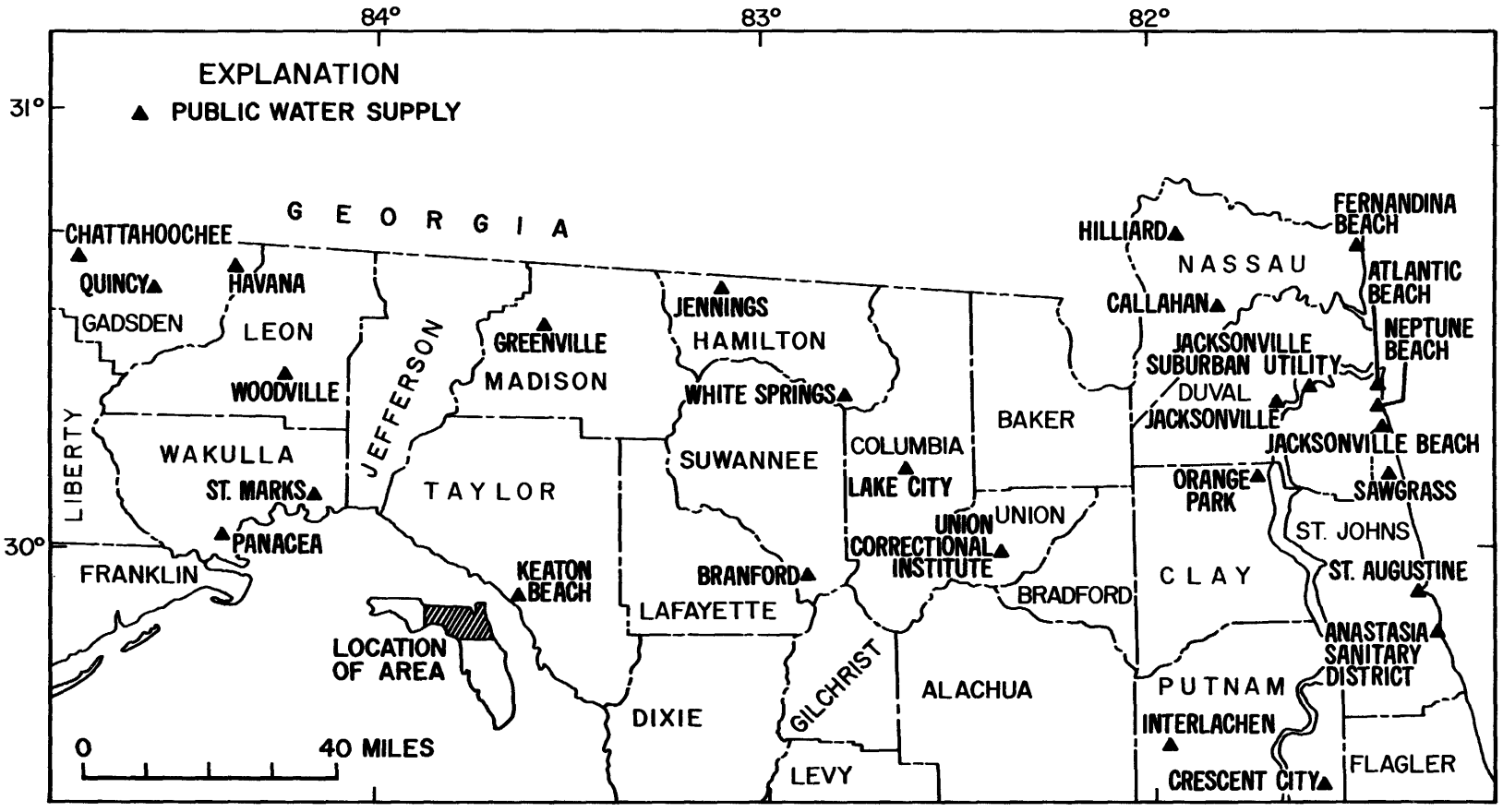

Figure 2.—Location of public water supply sampling sites in north and northeastern Florida.

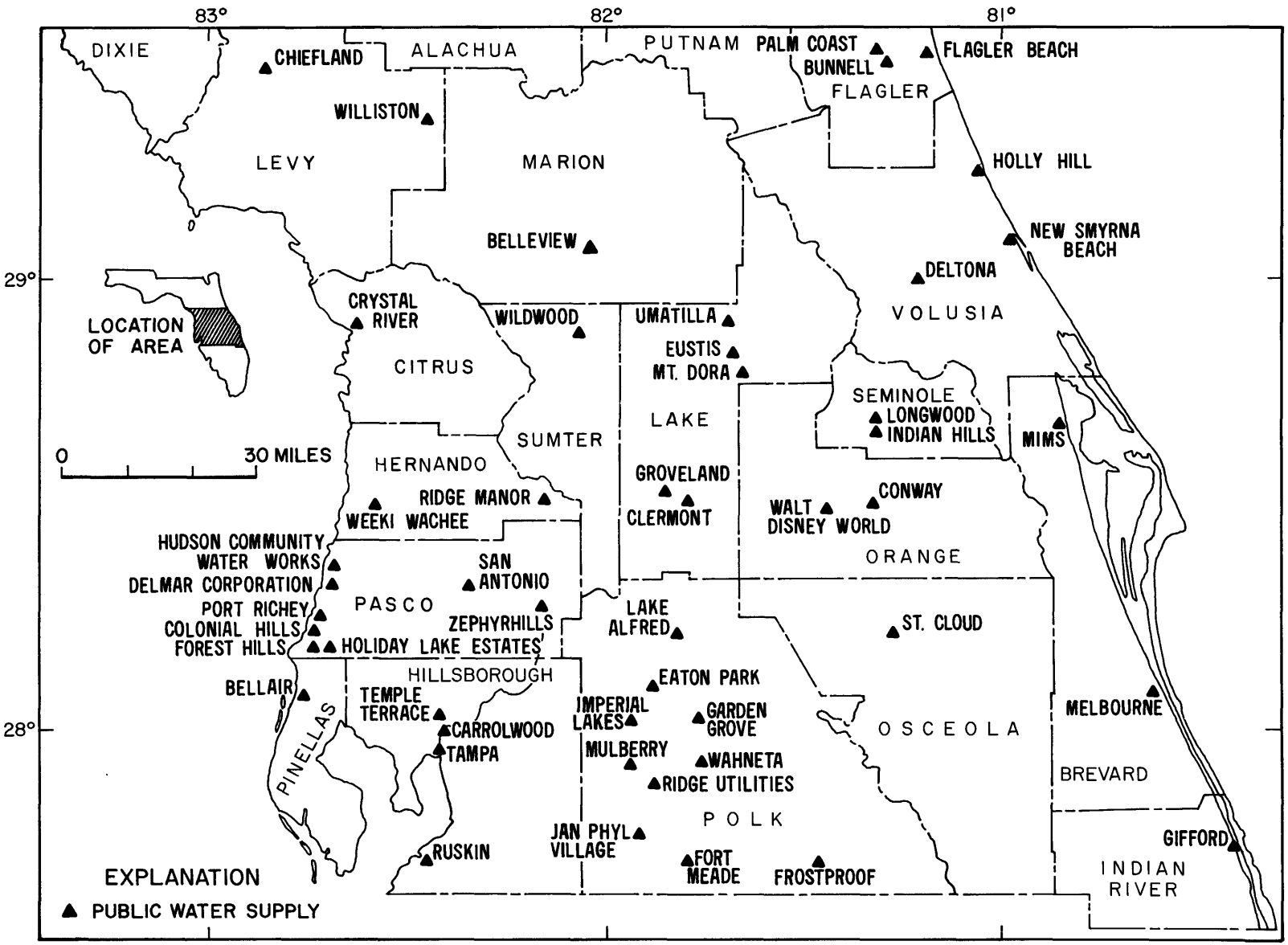

Figure 3.--Location of public water supply sampling sites in central and central-coastal Florida.

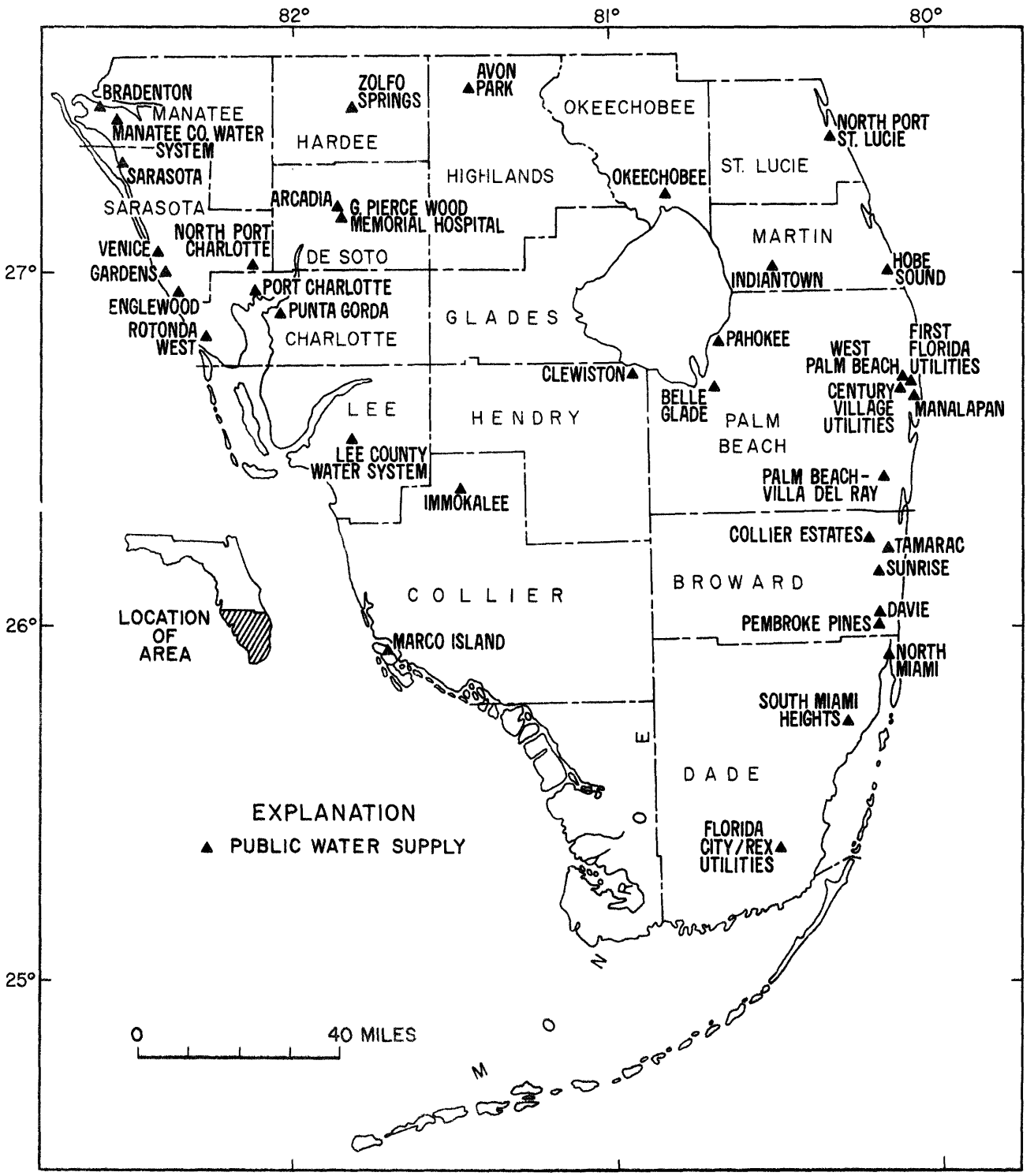

Figure 4.--Location of public water supply sampling sites in south and south-coastal Florida.

General Inorganic Chemical Composition

On the average the major inorganic chemical composition of the raw surface water is cation-anion mixed. Calcium is dominant comprising about 49 percent of the cations with bicarbonate and chloride comprising 42 and 36 percent, respectively, of the anions. The concentration of calcium averaged 47 mg/L and ranged from 4.0 mg/L in Quincy Creek, Gadsden County, to 170 mg/L in the surface water from the infiltration gallery near St. Augustine in St. Johns County. Bicarbonate averaged 122 mg/L and chloride averaged 61 mg/L. The minimum bicarbonate and chloride concentrations were 19 mg/L and 5.1 mg/L occurring in Quincy Creek. The maximum bicarbonate was 390 mg/L in the St. Augustine water supply and the maximum chloride was 150 mg/L occurring in the surface-water supplies for West Palm Beach (Clear Lake) and Belle Glade (Lake Okeechobee) both in Palm Beach County.

The average dissolved solids concentration of the raw surface water supplies was 306 mg/L; however, a rather large variance existed as the standard deviation was 181 mg/L. The dissolved solids range was 36 mg/L (Quincy Creek) to 632 mg/L (Belle Glade). The water hardness averaged 160 mg/L with a standard deviation of 110 mg/L and ranged from 16 mg/L (Quincy Creek) to 440 mg/L (St. Augustine).

The treated surface-water was also a mixed cation-anion composition with calcium-sodium and chloride-sulfate dominant. The dissolved solids concentration averaged 329 mg/L with a standard deviation of 197 mg/L and ranged from 57 mg/L (Quincy Creek) to 758 mg/L (Marco Island). The water hardness averaged 144 mg/L with a standard deviation of 68 mg/L and ranged from 33 mg/L (Quincy Creek) to 250 mg/L (St. Augustine).

The major inorganic chemical parameter concentrations between the raw and treated surface-water supplies were statistically tested for difference. Only the sulfate concentrations indicated a high level of significant difference. The sulfate concentrations indicated a significant difference at the 90 percent probability level with the treated water having the higher mean concentration. The explanation for the difference in sulfate concentration is not apparent, but it may simply be due to sampling chance. That is, the difference is significant only at the 90 percent probability level, thus there is a 10 percent probability that the concentrations are not significantly different, but the result of chance sampling or circumstance.

The Quality of Public Surface-Water Supplies with Reference to the National Interim Primary Drinking Water Regulations

In this report the quality of the treated water as it relates to the primary and secondary drinking water regulations is highlighted. It must be emphasized that while a single sample gives an approximation of parameter values, there does exist a certain probability of error or sample non-representativeness. Thus, single-sample interpretation does

have obvious inherent limitations, and data are used mainly to identify situations where additional information is necessary.

Of the trace elements covered by primary drinking water regulations only chromium and lead had concentrations near or exceeding the established MCL (maximum contaminant level) (table 3). The chromium concentration in the treated surface-water from the Manatee County Water System was 40 ug/L (micrograms per liter) or 80 percent of the 50 ug/L MCL. The treated supply for the city of Port St. Joe had a lead concentration of 61 ug/L which is 22 percent in excess of the established 50 ug/L MCL. The treated supplies for the city of Quincy and the Bay County Water System had lead concentrations of 49 and 44 ug/L. The treated surface-water for Marco Island had a lead concentration of 30 ug/L with the remaining surface supplies having lead concentrations well below the established MCL.

Pesticide compounds for which drinking water regulations have been established were detected in two treated surface supplies, but the concentrations were well below the Federal MCL. A 2,4-D concentration of 0.09 ug/L was detected in the water supply for he city of Melbourne in Brevard County and 0.16 ug/L of silvex was detected in the North Port Charlotte water supply.

The concentrations of both fluoride and nitrate in the treated surface water supplies were well below their respective MCL. Turbidity levels averaged 1 NTU in the surface supplies with a maximum of 4 NTU for the city of Okeechobee in Okeecobee County. Of the 17 treated public surface-water supplies sampled only two had no detectable turbidity and 15 supplies had levels ranging between 1 and 4 NTU.

The results of the radioactivity analysis indicated that 16 of the 17 supplies sampled had gross alpha activity levels less than about 8 pCi/L (picocuries per liter) which is well below the 15 pCi/L Federal MCL. However, the water supply for Marco Island had a gross alpha activity of 19 pCi/L.

Results of analyses for the primary drinking water regulation parameters in the untreated public surface-water supplies are summarized in table 4. The regulations do not directly pertain to the untreated water but the results are presented for comparison with the treated water (table 3). To evaluate in a very general way if water treatment has a significant effect on the concentrations a series of statistical tests were made between the mean concentrations for raw and treated water. Test results indicated that no significant difference in concentrations existed between the raw and treated water. Chromium, mercury, and gross radioactivity levels were not tested because many concentrations were less than the analytical detection limit.

Table 3.--Summary of chemical and physical analyses of National Interim Primary Drinking Water Regulation parameters for selected treated public surface-water supplies.

[Total concentrations in micrograms per liter, except as indicated]

Parameter	Number of samples	Mean	Standard deviation	Range	Median
Arsenic (As)	16	1	1	0-3	0
Barium (Ba)	7	0	0	0	0
Cadmium (Cd)	17	0	1	0-2	0
Chromium (Cr)	17	(1)	--	<10-40	10
Lead (Pb)	17	14	20	0-61	3
Mercury (Hg)	16	(1)	--	< 0.5	< .5
Selenium (Se)	16	0	0	0	0
Silver (Ag)	17	0	1	0-2	0
Endrin	17	.00	.00	.00	.00
Lindane	17	.00	.00	.00	.00
Methoxychlor	17	.00	.00	.00	.00
Toxaphene	17	0	0	0	0
2,4-D	16	.01	.02	.00-0.09	.00
Silvex	16	.01	.04	.00-0.16	.00
Fluoride (F) (mg/L)	17	.2	.2	.0-0.6	.1
Nitrate (NO_3-N) (mg/L)	17	.15	.11	.00-0.38	.13
Turbidity (NTU)	17	1	1	0-4	1
Alpha, gross (pCi/L)	17	(1)	--	<0.5-19	<3.1

(1) Some concentrations were below the analytical detection limit.

Table 4.--Summary of chemical and physical analyses of National Interim Primary Drinking Water Regulation parameters for selected untreated surface-water supplies.

[Total concentrations in micrograms per liter, except as indicated]

Parameter	Number of samples	Mean	Standard deviation	Range	Median
Arsenic (As)	18	1	1	0-3	1
Barium (Ba)	8	0	100	0-100	0
Cadmium (Cd)	18	0	1	0-2	0
Chromium (Cr)	18	(1)	--	<10-20	6
Lead (Pb)	18	14	16	0-62	8
Mercury (Hg)	18	(1)	--	< 0.5	< .5
Selenium (Se)	18	0	0	0	0
Silver (Ag)	18	0	1	0-2	0
Endrin	17	.00	.00	.00	.00
Lindane	17	.00	.00	.00	.00
Methoxychlor	17	.00	.00	.00	.00
Toxaphene	17	0	0	0	0
2,4-D	15	.02	.04	.00-0.16	.00
Silvex	15	.00	.01	.00-0.05	.00
Fluoride (F) (mg/L)	18	.2	.2	.0-0.6	.2
Nitrate (NO_3-N) (mg/L)	16	.13	.11	.00-0.38	.13
Turbidity (NTU)	16	2	1	1-5	1
Alpha, gross (pCi/L)	15	(1)	--	<0.8-<8.2	<3.2

(1) Some concentrations were below the analytical detection limit.

The Quality of Public Surface-Water Supplies with Reference to the Proposed National Secondary Drinking Water Regulations

A summary of the secondary drinking water regulations parameters for the treated surface-water supplies is given in table 5.

Several minor exceedences were found in the treated surface-water supplies with regard to the proposed secondary drinking water regulations. Some levels of chloride, color, dissolved solids, iron, and pH exceeded the recommended secondary regulations.

The maximum chloride concentration was 330 mg/L in the Marco Island water supply and exceeded the proposed 250 mg/L secondary limit by 32 percent. The water supply for the city of Okeechobee had a color of 22 Pt-Co units; the recommended limit is 15 Pt-Co units. Three public supplies exceeded the recommended 500 mg/L dissolved solids concentrations. The water supplies for West Palm Beach and St. Augustine slightly exceeded the recommended limit having respective dissolved solid concentrations of 501 mg/L and 564 mg/L, and the water supply for Marco Island had a dissolved solids concentration of 758 mg/L. The Marco Island supply also had an iron concentration of 700 ug/L which is over twice the recommended limit of 300 ug/L. The pH values of 8 of 17 treated public supplies were in excess of the 8.5 recommended limit with 6 ranging between 9.1 and 9.7.

The analytical results for the secondary drinking water regulation parameter levels in the untreated surface-water supplies are summarized in table 6. The mean concentrations of the secondary drinking water parameters in raw and treated water were statistically tested to determine if significant concentration differences existed. Only color and iron were found to be significantly different at the 95 percent probability level. Both the level of color and iron were lower in the treated water than in the raw water. Most of the surface-water supply facilities use coagulation and filtration treatment which is the major cause of the significant reduction in color. Treatment plants also commonly use aeration and pH control along with coagulation, which undoubtedly are the controlling mechanisms reducing the concentration of iron in the treated water supplies.

Public Ground-Water Supplies

During the November 1977 to February 1978 reconnaissance, about 100 treated ground water public supplies were sampled throughout the State. Most of the supplies that were sampled were analyzed for the complete suite of primary and secondary regulation parameters are summarized in tables 7 and 8. Some supplies were analyzed only for gross radioactivity. A list of the public supplies are given in table 2, and a complete data presentation for each public supply is given beginning on page 41.

Table 5.--Summary of chemical and physical analyses of proposed National Secondary Drinking Water Regulation parameters for selected treated public surface-water supplies.

[Total concentrations in milligrams per liter, except as indicated]

Parameter	Number of samples	Mean	Standard deviation	Range	Median
Chloride (Cl)	17	88	85	10-330	72
Color (Pt-Co units)	17	5	6	0-22	4
Copper (Cu)	17	.012	.019	0.001-0.069	.004
Dissolved solids (residue at 180°C)	17	329	197	57-758	354
Iron (Fe)	17	.100	.160	.020-0.700	.050
Manganese (Mn)	17	.010	.010	.00-0.020	.010
pH (units)	17	--	--	7.1-9.7	8.2
Sulfate (SO_4)	17	73	42	6.4-160	79
Zinc (Zn)	17	.020	.030	.000-0.100	.010

Table 6.--Summary of chemical and physical analyses of proposed National Secondary Drinking Water Regulation parameters for selected untreated surface-water supplies.

[Total concentrations in milligrams per liter, except as indicated]

Parameter	Number of samples	Mean	Standard deviation	Range	Median
Chloride (Cl)	18	61	49	5.1-150	50
Color (Pt-Co units)	18	84	82	0-240	50
Copper (Cu)	18	.010	.009	.002-0.026	.006
Dissolved solids (residue at 180°C)	18	306	181	36-632	310
Iron (Fe)	18	.520	.640	.020-2.7	.300
Manganese (Mn)	18	.010	.010	.000-0.040	.010
pH (units)	18	--	--	6.0-9.5	7.1
Sulfate (SO_4)	18	48	29	.6-94	45
Zinc (Zn)	18	.030	.040	.000-0.140	.010

General Inorganic Chemical Composition

The average chemical composition of the treated ground water public supplies is calcium (54 percent) bicarbonate (54 percent) of the cations and anions, respectively. On the average, sodium and magnesium comprised 25 and 20 percent of the cations while chloride and sulfate comprised 28 and 18 percent of the anions. Calcium averaged 51 mg/L and ranged from 1.9 mg/L (South Walton County Utilities) to 120 mg/L (North Miami, Dade County and Venice Gardens, Sarasota County). Bicarbonate averaged 151 mg/L ranging from 0.0 mg/L (South Walton County Utilities) to 350 mg/L (Apalachicola, Franklin County).

The average dissolved solids concentration of the treated ground water public supplies was 280 mg/L. However, a large concentration variance did exist as shown by the 180 mg/L standard deviation. The dissolved solids concentration ranged from 42 mg/L (Pace, Santa Rosa County) to 999 mg/L (Gifford, Indian River County). Hardness averaged 176 mg/L and ranged from 13 mg/L (South Walton County Utilities) to 480 mg/L (Venice Gardens, Sarasota County).

The Quality of Public Ground-Water Supplies with Reference to the National Interim Primary Drinking Water Regulations

In a small number of public ground water supplies lead and selenium were found in concentrations which exceeded the MCL's established in the primary drinking water regulations (table 7). Four supplies had lead concentrations exceeding the 50 ug/L MCL: 52 ug/L Navarre Beach, Santa Rosa County; 68 ug/L South Miami Heights, Dade County; 77 ug/L Woodville, Leon County; 80 ug/L Pace, Santa Rosa County. Selenium was detected in only 8 of the 92 ground water supplies with 1 Federal MCL exceedence. The treated supply for the city of Wildwood, Sumter County, had a selenium concentration of 15 ug/L exceeding the established selenium MCL of 10 ug/L. In addition, while the water supplies for Colonial Hills and Forest Hills in Pasco County did not exceed the selenium MCL, they did contain concentrations of 6 and 4 ug/L respectively.

Cadmium, chromium, and mercury were not found in concentrations exceeding the primary drinking water MCL's, but several supplies had concentrations which approached the allowable levels. The water supplies for South Miami Heights in Dade County and Woodville in Leon County had respective cadmium concentrations of 8 and 5 ug/L. The established cadmium MCL is 10 ug/L. A chromium concentration of 40 ug/L which is 80 percent of the 50 ug/L MCL was detected in the water supply for the city of Panacea, Wakulla County. The water supply samples collected for Eustis, Lake County, and Belleview in Marion County had mercury concentrations of 1.7 and 1.8 ug/L respectively. The MCL for mercury is 2.0 ug/L.

Table 7.--Summary of chemical and physical analyses of National Interim Primary Drinking Water Regulation parameters for selected treated public ground-water supplies.

[Total concentrations in micrograms per liter, except as indicated]

Parameter	Number of samples	Mean	Standard deviation	Range	Median
Arsenic (As)	97	1	1	0-10	1
Barium (Ba)	43	0	0	0-100	0
Cadmium (Cd)	99	1	1	0-8	0
Chromium (Cr)	99	([1])	--	<10-40	10
Lead (Pb)	99	14	15	0-80	8
Mercury (Hg)	98	([1])	--	<0.5-1.8	< .5
Selenium (Se)	96	0	2	0-15	0
Silver (Ag)	98	0	1	0-2	0
Endrin	97	.00	.00	.00	.00
Lindane	96	.00	.00	.00	.00
Methoxychlor	96	.00	.00	.00	.00
Toxaphene	96	0	0	0	0
2,4-D	97	.00	.01	.00-0.04	.00
Silvex	97	.02	.15	.00-1.4	.00
Fluoride (F) (mg/L)	97	.3	.4	.0-3.3	.1
Nitrate (NO_3-N) (mg/L)	97	.38	.95	.00-5.8	.04
Turbidity (NTU)	95	1	1	0-6	1
Alpha, gross (pCi/L)	74	([1])	--	<0.9-41	3.6

([1]) Some concentrations were below the analytical detection limit.

Pesticide compounds, 2,4-D and silvex, were detected in trace quantities in a few public supplies, but none approximated the National Interim Primary Drinking Water Regulation MCL's. The maximum concentration of 2,4-D was 0.04 ug/L detected in the treated water supply for Indiantown, Martin County. Four additional supply waters had a detectable 2,4-D concentration of 0.02 ug/L: Villa Del Ray, Palm Beach County; First Florida Utilities, Palm Beach County; Venice Gardens, Sarasota County; and Port St. Lucie, St. Lucie County. The maximum silvex concentration was 1.4 ug/L in the treated water for Sunrise, Broward County. Other public supplies which had detectable levels of silvex were Collier Estates, Broward County, 0.14 ug/L; Tamarac, Broward County, 0.06 ug/L; and Port St. Lucie, St. Lucie County, 0.02 ug/L.

A concentration of 1.4 to 1.6 mg/L is the MCL for fluoride in areas having an annual average maximum daily air temperature ranging from 70.7 F to 90.5 F. Of the 97 public supplies analyzed during the reconnaissance only one exceeded the recommended limit. The treated supply for the city of Mexico Beach, Bay County, had a concentration of 3.3 mg/L. Two supplies, Navarre Beach (Santa Rosa County) and Zolfo Springs (Hardee County) contained fluoride concentration of 1.0 mg/L, and the remaining supplies had concentrations of less than 1.0 mg/L.

None of the treated public ground water supplies had nitrate nitrogen concentrations exceeding about 60 percent of the established 10 mg/L MCL. The water supplies for Forest Hills and Colonial Hills in Pasco County contained respective nitrate nitrogen concentrations of 5.8 and 5.7 mg/L. Ninety-two of the 97 supplies had nitrate nitrogen concentrations ranging from 0.0 to 1.7 mg/L with 3 ranging from 2.3 to 2.9 mg/L.

The turbidity level in all treated waters was 3 NTU or less except for South Walton County Utilities with 6 NTU and Navarre Beach in Santa Rosa County with 4 NTU. Seventy-six supplies had turbidities between 1 and 3 with 17 having no detectable turbidity.

Five of the 74 treated water supplies analyzed for gross alpha radioactivity had levels greater than the Federally established 15 pCi/L MCL. The supplies were: 41 pCi/L Colonial Hills (Pasco County); 33 pCi/L Venice Gardens (Sarasota County); 20 pCi/L Zolfo Springs (Hardee County); 19 pCi/L Apalachicola (Franklin County); and 17 pCi/L Gifford (Indian River County). Additionally, 4 supplies had gross alpha activities ranging from 10 to 14 pCi/L.

The Quality of Public Ground-Water Supplies with Reference to the Proposed National Secondary Drinking Water Regulations

The analytical results of selected treated ground-water supplies for the secondary regulation parameters are summarized in table 8. Exceedences occurred occasionally for all secondary parameters except

Table 8.--Summary of chemical and physical analyses of proposed National Secondary Drinking Water Regulation parameters for selected treated public ground-water supplies.

[Total concentrations in milligrams per liter, except as indicated]

Parameter	Number of samples	Mean	Standard deviation	Range	Median
Chloride (Cl)	98	46	57	2.5-310	21
Color (Pt-Co units)	98	4	6	0-42	2
Copper (Cu)	99	.019	.032	0.001-0.160	.007
Dissolved solids (residue at 180°C)	98	280	180	42-999	225
Iron (Fe)	99	.115	.257	.000-2.40	.050
Manganese (Mn)	99	.010	.010	.000-0.050	.000
pH (units)	104	--	--	5.5-9.3	7.5
Sulfate (SO_4)	98	39	65	.1-300	11
Zinc (Zn)	98	.070	.140	.000-0.830	.020

copper, manganese, and zinc. The maximum copper concentration was 0.16 mg/L in the water supply for the city of Weeki Wachee in Hernando County and the maximum zinc concentration was 0.83 mg/L in the supply for Holly Hill in Volusia County. The proposed MCL for copper and zinc are 1.0 and 5.0 mg/L respectively.

Only one chloride concentration exceeded the proposed Federal limit. The chloride concentration in the supply for North Miami, Dade County, was 310 mg/L which is 24 percent greater than the 250 mg/L limit. Three additional supplies, Rotonda West (Charlotte County), Anastasia (St. Johns County), and Gifford (Indian River County) had concentrations exceeding 200 mg/L. The sulfate concentrations in two public supplies were above the proposed 250 mg/L level. The supply for the G. Pierce Memorial Hospital (De Soto County) had a sulfate concentration of 260 mg/L and the city of Ruskin (Hillsborough County) had a concentration of 300 mg/L. Ten public water supplies had dissolved solid concentrations exceeding the proposed 500 mg/L Federal limit. The maximum dissolved solids concentration in the treated ground water was 999 mg/L and was detected in the supply for the city of Gifford (Indian River County). Other public supplies exceeding the 500 mg/L dissolved solids MCL were: North Miami (Dade County), 924 mg/L; Colonial Hills (Pasco County), 524 mg/L; G. Pierce Memorial Hospital (De Soto County), 544 mg/L; Mexico Beach (Bay County), 610 mg/L; Ruskin (Hillsborough County), 629 mg/L; Apalachicola (Franklin County), 693 mg/L; Anastasia (St. Johns County), 750 mg/L; Venice Gardens (Sarasota County), 800 mg/L; and Branford (Suwannee County), 545 mg/L.

Color exceeded the proposed secondary drinking water limit of 15 Pt-Co units in 6 treated public ground-water supplies. The maximum exceedence was 42 Pt-Co units in water from the First Florida Utilities system near Palm Beach (Palm Beach County). Other exceedences were: 22 Pt-Co units, Davie (Broward County); 20 Pt-Co units, Fort Myers (Lee County); 27 Pt-Co units, North Miami (Dade County); 18 Pt-Co units, Port St. Lucie (St. Lucie County); 15 Pt-Co units, Tamarac (Broward County).

Five water supplies had iron concentrations which exceeded the 0.3 mg/L limit. South Walton County Utilities supply water contained 2.4 mg/L of iron, Tamarac in Broward County had 0.64 mg/L, San Antonio in Pasco County had 0.55 mg/L, Apalachicola in Franklin County had 0.33 mg/L, and Manalapan in Palm Beach County had 0.47 mg/L.

The pH in 8 treated public ground-water supplies was outside the proposed range of 6.5 to 8.5. Seven supplies had values above 8.5 with 1 below 6.5. The water supplies ranging between 8.6 and 9.3 were North Miami, Fort Myers, Englewood, G. Pierce Wood Memorial Hospital, Holly Hill, Flagler Beach, and Anastasia. The water from the South Walton County Utilities had a pH of 5.5.

Frequency Distribution of the National Interim Primary Drinking Water Regulation Parameters

A series of histograms giving concentration ranges for selected parameters as a function of the number of treated public water supplies are given in figure 5. Both the treated surface and ground-water supplies are included in this summary to depict general conditions statewide.

Statewide, the concentrations of arsenic, barium, cadmium, mercury, and silver in Florida's treated drinking water meet the Federal regulations with a large percentage of the supplies having no detectable levels of these parameters. For example, no arsenic was detected in 46 of the 113 supplies analyzed, no barium was detected in 45 of the 50 supplies analyzed, no cadmium was detected in 79 of the 116 supplies analyzed, and no silver was detected in 88 of the 115 supplies analyzed. The concentrations of chromium ranged from <10 to 10 ug/L in 81 percent (94) of the supply waters. Eighty-nine percent (102) of the supplies had a mercury concentration of <0.5 ug/L.

Lead and selenium levels in some supplies were above Federal MCL's; although, this was not a frequent occurrence. Of the selenium analyses, 93 percent (104) of the supplies were 0 ug/L; however, one public supply had a MCL exceedence of 15 ug/L. Sixty-three percent (73) of the supplies had lead concentrations ranging from 6 to 49 ug/L with 14 percent (16) of the supplies having a concentration of 0 ug/L, and 4 percent (5) of the supplies having a concentration exceeding the 50 ug/L MCL.

Traces of pesticide compounds were detected in 11 percent (12) of the public supplies, but the distribution was highly skewed with 89 percent (102) of the water supplies having no detectable pesticides. The herbicide compounds, 2,4-D or silvex, were found in 10 of the supplies. The insecticide compounds, dieldrin and DDT, each were detected in one public supply.

Virtually all the nitrate and fluoride concentrations in the treated water supplies were below the Federal MCL's. Seventy-one percent (81) of the water supplies had fluoride concentrations ranging from 0.1 to 0.4 mg/L. The distribution of nitrate was somewhat more unimodal than fluoride with about 52 percent (59) of the supplies having a concentration range between 0.01 and 0.1 mg/L.

Turbidity levels in 111 of the 112 treated supply waters were below the 5 NTU Federal MCL. Seventy percent (78) of the supplies had a turbidity of 1 NTU, 17 percent (19) of the supplies had 0 NTU, and 4 percent (5) of the supplies had turbidities ranging between 3 and 6 NTU.

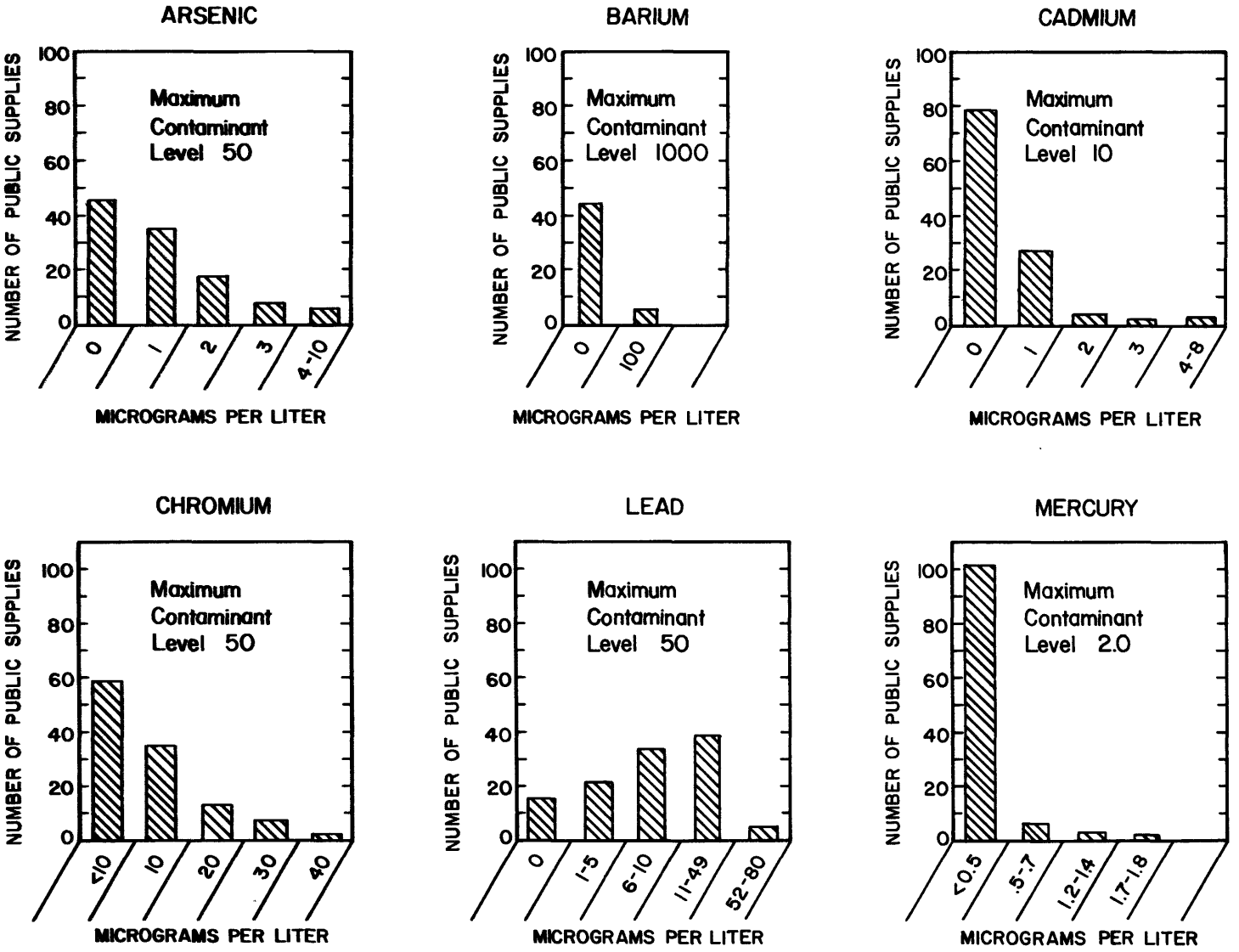

Figure 5.—Distribution of concentration ranges of National Interim Primary Drinking Water Regulation parameters for selected treated public water supplies.

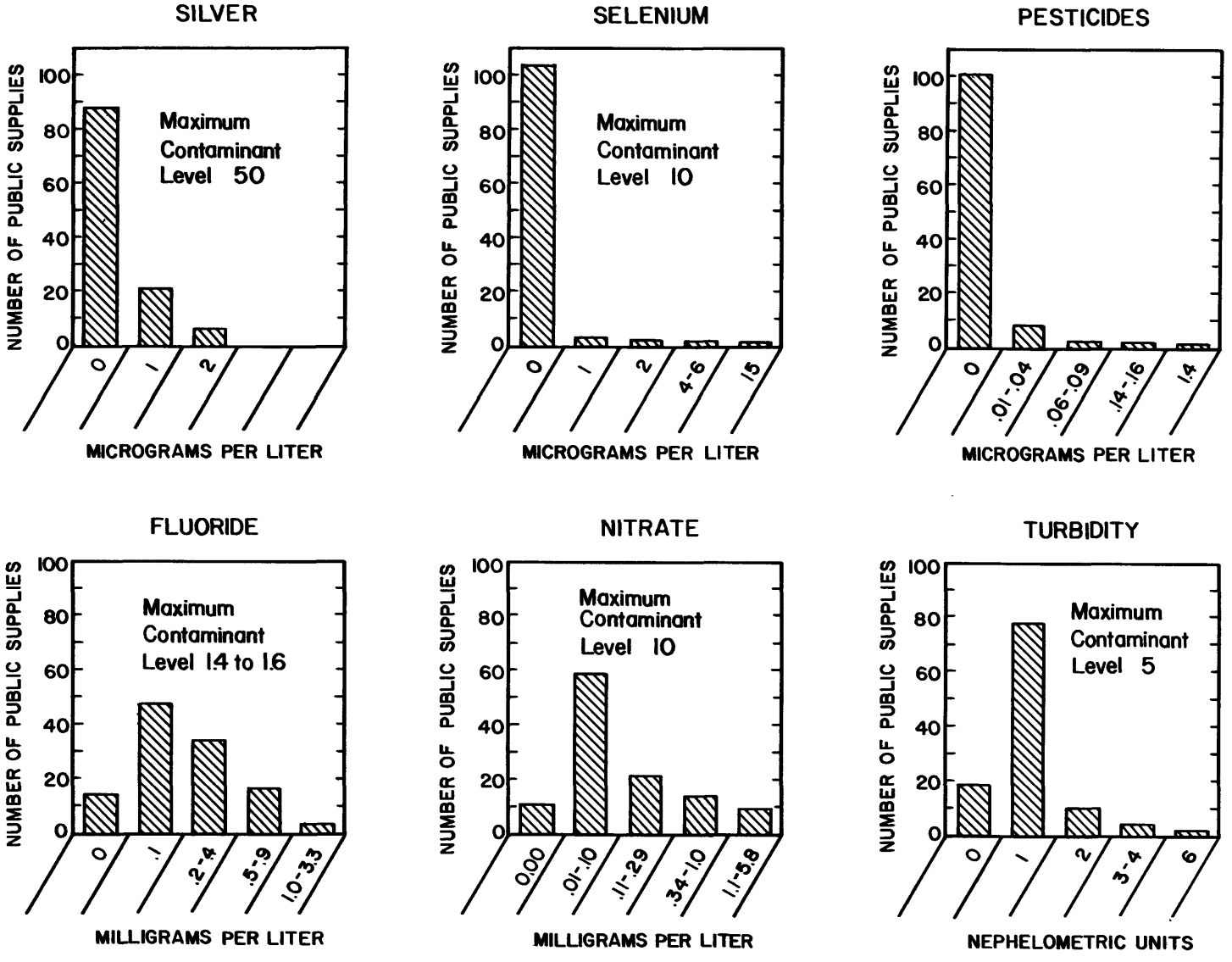

Figure 5.—Distribution of concentration ranges of National Interim Primary Drinking Water Regulation parameters for selected treated public water supplies. (continued)

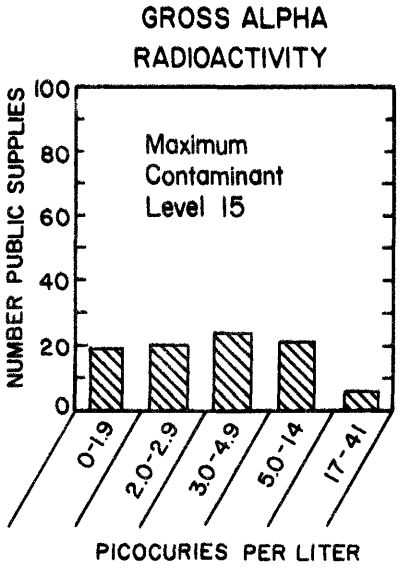

Figure 5.--Distribution of concentration ranges of National Interim Primary Drinking Water Regulation parameters for selected treated public water supplies. (continued)

Seven percent (6) of the treated water supplies sampled had gross alpha activities in excess of the 15 pCi/L Federal MCL and approximately 23 percent (21) of the supplies had activities ranging from 5 to 14 pCi/L. It should be noted that 5 of the 21 supplies in the 5 to 14 pCi/L range had alpha activities reported as "less than" because of analytical constraints and thus these 5 supplies may actually have activities below 5 pCi/L. Seventy percent (63) of the water supplies were well within the gross alpha MCL.

Frequency Distribution of the Proposed National Secondary Drinking Water Regulation Parameters

The frequency distributions for the secondary drinking water regulation parameters are given in figure 6. As with the previous section, both the treated surface and ground-water supplies are included in this summary.

The chloride concentration in 96 (83 percent) of the 115 water supplies was less than 100 mg/L. In only two water supplies was the chloride concentration in excess of the proposed limit of 250 mg/L. Sulfate in the water supplies had a wide range in concentration, but only two exceeded the 250 mg/L proposed limit.

Fifty-seven percent (65) of the 114 supplies analyzed had dissolved solid concentrations ranging from 42 to 251 mg/L. However, the 500 mg/L proposed limit was exceeded in 12 of the supplies with concentrations ranging from 501 to 924 mg/L.

The concentrations of copper, manganese, and zinc in the treated public water supplies did not exceed their recommended limits. Iron, however, exceeded the proposed limit of 300 ug/L in 6 of the supplies sampled.

Ninety-six percent (111) of the copper concentrations were below 84 ug/L and 88 percent (101) of the zinc concentrations were 100 ug/L or less. The concentration of manganese in one water supply was 50 ug/L, which is the proposed limit, but the concentrations in 97 percent (112) of the water supplies ranged from 0 to 20 ug/L.

Color equaled or exceeded the 15 Pt-Co unit proposed limit in 7 of the 115 public supplies. However, 77 percent (88) of the supplies had color levels between 0 and 5 Pt-Co units.

The values of pH mainly fell between 7.0 and 7.5 with 77 percent (93) of the supplies having a pH between 7.0 and 8.0. But 15 supplies had pH values between 8.6 and 9.7; 8.6 is the proposed upper limit for drinking water. One supply had a pH value of 5.5 with 6.5 being the proposed lower limit.

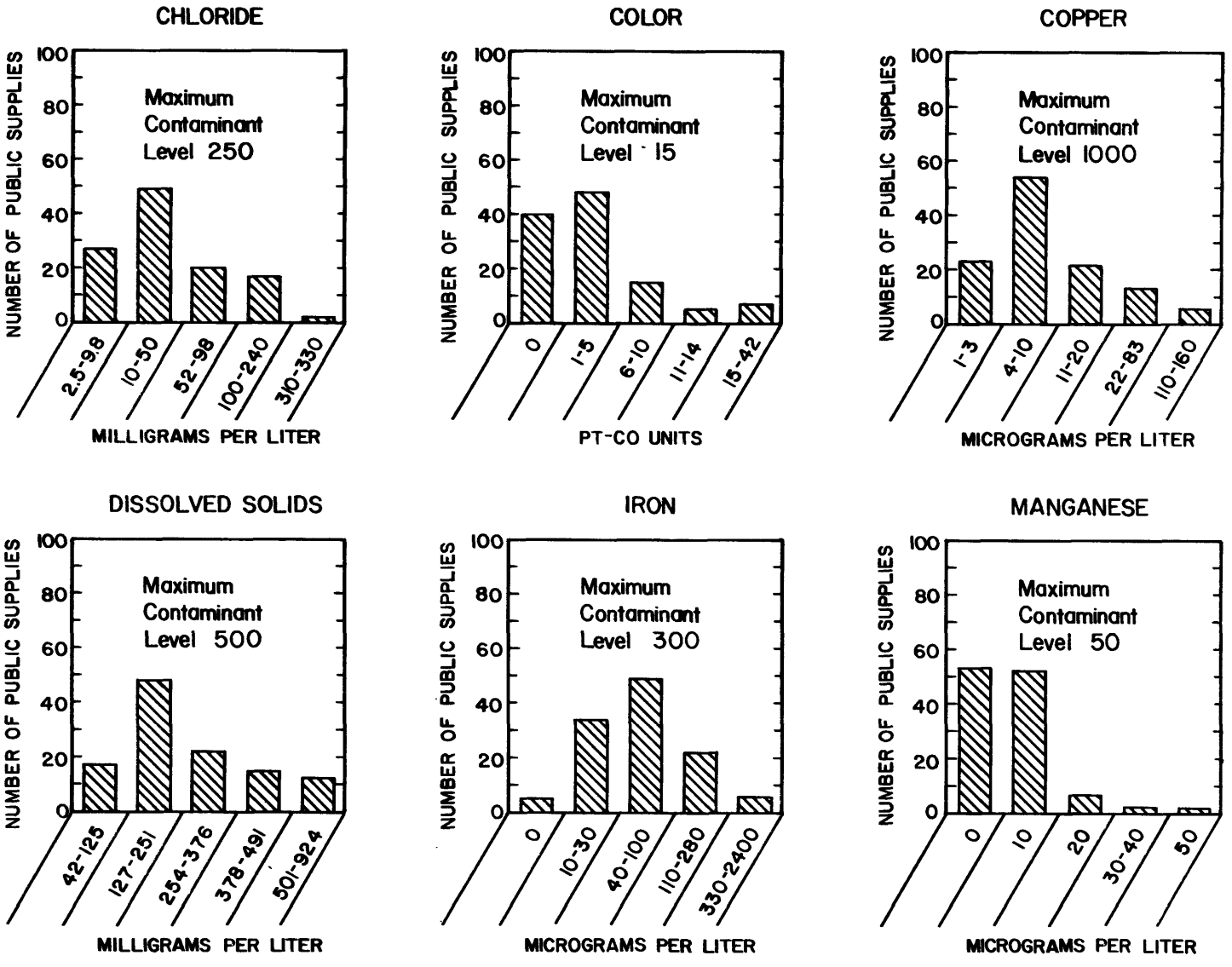

Figure 6.—Distribution of concentration ranges of Proposed National Secondary Drinking Water Regulation parameters for selected treated public water supplies.

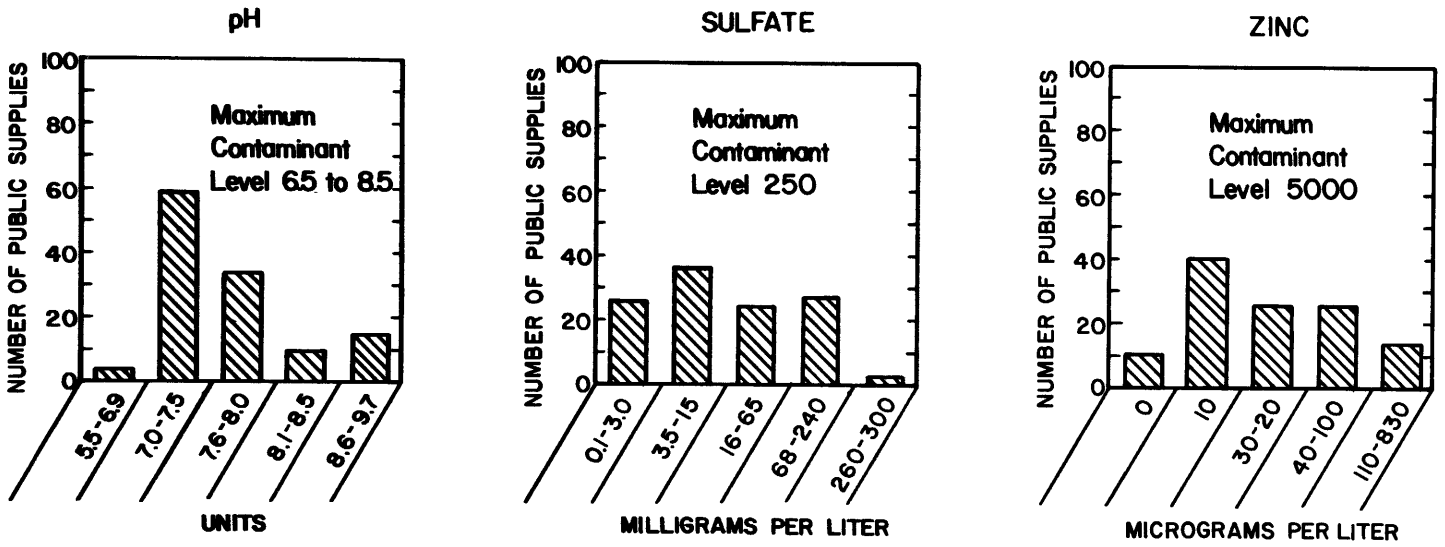

Figure 6.—Distribution of concentration ranges of Proposed National Secondary Drinking Water Regulation parameters for selected treated public water supplies. (continued)

SUMMARY

The data included in this report, along with those reported by Irwin and Healy (1978), document the quality of drinking water in over 260 public supplies throughout Florida. These data reveal that virtually all the State's drinking water meets Federal requirements.

Statewide, the chemical composition of the treated public supply water is predominantly calcium bicarbonate. The average dissolved solids concentration is about 300 mg/L with an average water hardness of 160 mg/L.

Specifically addressing the 1977-78 water-quality sampling reconnaissance, a small number of primary drinking water regulation exceedences did occur at a few locations. For example, five public supplies had lead concentrations exceeding the MCL of 50 ug/L, and 1 supply had a selenium concentration of 15 ug/L which is 5 ug/L over the MCL.

Trace concentrations of certain pesticide compounds were detected in 11 percent of the water supplies sampled. However, none of the 12 supplies had concentrations even near the Federal pesticide MCL. The herbicides, 2,4-D, and silvex, were the most frequently detected compounds.

The nitrate, fluoride, and turbidity levels in virtually all the public-supply waters were below the Federal MCL's. However, the water from 1 supply had a fluoride concentration of 3.3 mg/L and 1 supply had a turbidity of 6 NTU both of which are slightly above their respective Federal MCL.

Six treated public supplies had gross alpha radioactivity above the Federal MCL of 15 pCi/L. Also between 16 and 21 supplies had alpha activity levels ranging between 5 and 14 pCi/L.

In addition to the primary drinking water regulation parameters, some of the water supplies had excessive levels for some parameters identified in the Proposed National Secondary Drinking Water Regulations. For example, 12 supplies had dissolved solid concentrations exceeding the proposed limit of 500 mg/L. Two supplies had chloride concentrations in excess of the recommended 250 mg/L, and two supplies had sulfate levels above the recommended 250 mg/L limit. Iron concentrations exceeded the 300 ug/L proposed limit in 6 supplies with a maximum concentration of 2,400 ug/L occurring in an acidic water supply in northwestern Florida.

Color levels in 7 of the 115 public supplies equaled or exceeded the 15 Pt-Co unit proposed limit. Seventeen public supplies had pH levels outside the recommended limit of 6.5 to 8.5. One supply had an acidic pH of 5.5 with 15 supplies having pH values ranging from 8.6 to 9.7.

REFERENCES CITED

Brown, Eugene, Skougstad, M. W., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases: U.S. Geological Survey Techniques of Water-Resources Investigations, book 3, chapter A1, 160 p.

Fishman, M. J., and Brown, Eugene, 1976, Selected methods of the U.S. Geological Survey for the analysis of waste water: U.S. Geological Survey Open-file Report 76-177, 87 p.

Goerlitz, D. F., and Brown, Eugene, 1972, Methods for analysis of organic substances in water: U.S. Geological Survey Techniques of Water-Resources Investigations, book 5, chapter A3, 40 p.

Irwin, G. A., and Healy, H. G., 1978, Chemical and physical quality of selected public water supplies in Florida, August-September 1976: U.S. Geological Survey Water-Resources Investigations 78-21, 200 p.

U.S. Congress, 1974, Public Law 93-523, Safe Drinking Water Act: Washington D. C.

U.S. Environmental Protection Agency, 1974, Methods for chemical analysis of water and waste: National Environmental Research Center, Cincinnati, Ohio, 298 p.

_____ 1975, National interim primary drinking water regulations: Federal Register, v. 40, no. 51, March 14, p. 11990-11998.

_____ 1975, National interim primary drinking water regulations: Federal Register, v. 40, no. 248, Wednesday, December 24, 1975, Part IV, p. 59566-59587.

_____ 1976, 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.

_____ 1976, Guidelines establishing test procedures for the analysis of pollutants: Federal Register, v. 41, no. 232, December 1, p. 52780-52786.

_____ 1977, National secondary drinking water regulations: Federal Register, v. 42, no. 62, Thursday, March 31, 1977, Part I, p. 17143-17147.

U.S. Public Health Service, 1962, Drinking water regulations, 1962: Publication 956, 61 p.

SUPPLEMENTARY DATA

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

Public Water Supply.--Identifies the public water supply and community served.

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

Collection Date.--The date the water sample was collected.

Sampling Point.--Identifies the location of sample collection. The 15 digit number is the latitude and longitude. All samples are identified in the U.S. Geological Survey Water Resources Division (WRD) data file using the specific source parameter code, 72005: The raw water--public water supply (untreated) samples are identified by a value of 46; the treated water--public water supply (treated) samples are identified by a value of 44.

INDEX

PUBLIC WATER SUPPLY: Anastasia Sanitary District
COUNTY: St. Johns COLLECTION DATE: 12-12-77
SAMPLING POINT (1) Treated water-295132081161001, tap in rear of water treatment plant office.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	19		Dissolved solids (residue at 180°C)	750	
Calcium (Ca)	80		Hardness as $CaCO_3$ (Ca, Mg)	360	
Magnesium (Mg)	37		Noncarbonate hardness as $CaCO_3$	300	
Sodium (Na)	120		Percent sodium	42	
Potassium (K)	4.3		Alkalinity as $CaCO_3$	56	
Bicarbonate (HCO_3)	68		Specific conductance (umhos/cm at 25°C)	1300	
Carbonate (CO_3)	0		pH (units)	8.6	
Sulfate (SO_4)	240		Temperature (°C)	19.2	
Chloride (Cl)	220		Color (Pt-Co units)	0	
Fluoride (F)	.6		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.12				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	1
Copper (Cu)	11	Strontium, dissolved (Sr)	3000
Iron (Fe)	50	Zinc (Zn)	50
Lead (Pb)	5		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 6.3	Gross Beta, as strontium-90	4.3
Gross Beta, as cesium-137	4.9		

PUBLIC WATER SUPPLY: Apalachicola
COUNTY: Franklin COLLECTION DATE: 11-30-77
SAMPLING POINT (1) Treated water-294339084591990, tap outside on southeast wall of library, Gorrie Square, Apalachicola.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	25		Dissolved solids (residue at 180°C)	693	
Calcium (Ca)	70		Hardness as $CaCO_3$ (Ca, Mg)	450	
Magnesium (Mg)	66		Noncarbonate hardness as $CaCO_3$	160	
Sodium (Na)	66		Percent sodium	24	
Potassium (K)	9.2		Alkalinity as $CaCO_3$	290	
Bicarbonate (HCO_3)	350		Specific conductance (umhos/cm at 25°C)	1170	
Carbonate (CO_3)	0		pH (units)	7.7	
Sulfate (SO_4)	160		Temperature (°C)	21.0	
Chloride (Cl)	120		Color (Pt-Co units)	0	
Fluoride (F)	.9		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.05				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	3	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	1	Strontium, dissolved (Sr)	890
Iron (Fe)	330	Zinc (Zn)	700
Lead (Pb)	30		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	19	Gross Beta, as strontium-90	10
Gross Beta, as cesium-137	12		

PUBLIC WATER SUPPLY: Arcadia
COUNTY: DeSoto COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-271253081502909, 5 well composite, tap inside water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as $CaCO_3$ (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as $CaCO_3$		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as $CaCO_3$		
Bicarbonate (HCO_3)			Specific conductance (umhos/cm at 25°C)		
Carbonate (CO_3)			pH (units)		
Sulfate (SO_4)			Temperature (°C)		
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO_3-N), total					
Nitrite (NO_2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)		Manganese (Mn)	
Barium (Ba)		Mercury (Hg)	
Cadmium (Cd)		Selenium (Se)	
Chromium (Cr)		Silver (Ag)	
Copper (Cu)		Strontium, dissolved (Sr)	
Iron (Fe)		Zinc (Zn)	
Lead (Pb)			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin		Lindane	
Chlordane		Methoxychlor	
DDD		Mirex	
DDE		PCB	
DDT		PCN	
Dieldrin		Silvex	
Endrin		Toxaphene	
Heptachlor		2,4-D	
Heptachlor epoxide		2,4,5-T	

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	8.2	Gross Beta, as strontium-90	4.0
Gross Beta, as cesium-137	3.6		

PUBLIC WATER SUPPLY: Atlantic Beach
COUNTY: Duval COLLECTION DATE: 12-13-77
SAMPLING POINT (1) Treated water-302007081242101, tap on corner of 11th Street water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as CaCO3 (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as CaCO3		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as CaCO3		
Bicarbonate (HCO3)			Specific conductance (umhos/cm at 25°C)	720	
Carbonate (CO3)			pH (units)	7.2	
Sulfate (SO4)			Temperature (°C)	24.5	
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO3-N), total					
Nitrite (NO2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Cadmium (Cd)	Selenium (Se)
Chromium (Cr)	Silver (Ag)
Copper (Cu)	Strontium, dissolved (Sr)
Iron (Fe)	Zinc (Zn)
Lead (Pb)	

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	Lindane
Chlordane	Methoxychlor
DDD	Mirex
DDE	PCB
DDT	PCN
Dieldrin	Silvex
Endrin	Toxaphene
Heptachlor	2,4-D
Heptachlor epoxide	2,4,5-T

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 4.8	Gross Beta, as strontium-90	2.1
Gross Beta, as cesium-137	2.3		

PUBLIC WATER SUPPLY: Auburn
COUNTY: Okaloosa COLLECTION DATE: 01-04-78
SAMPLING POINT (1) Treated water-304800086320090, tap on west side of Auburn Water System Inc. building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	132	
Calcium (Ca)	26		Hardness as $CaCO_3$ (Ca, Mg)	110	
Magnesium (Mg)	12		Noncarbonate hardness as $CaCO_3$	16	
Sodium (Na)	4.6		Percent sodium	8	
Potassium (K)	1.0		Alkalinity as $CaCO_3$	98	
Bicarbonate (HCO_3)	120		Specific conductance (umhos/cm at 25°C)	200	
Carbonate (CO_3)	0		pH (units)	7.9	
Sulfate (SO_4)	7.9		Temperature (°C)	10.0	
Chloride (Cl)	5.9		Color (Pt-Co units)	4	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	10	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	.6
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	43	Strontium, dissolved (Sr)	60
Iron (Fe)	90	Zinc (Zn)	10
Lead (Pb)	27		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Avon Park
COUNTY: Highlands COLLECTION DATE: 11-10-77
SAMPLING POINT (1) Treated water-273527081310801, tap near Bell Street well.

(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.9		Dissolved solids (residue at 180°C)	90	
Calcium (Ca)	20		Hardness as $CaCO_3$ (Ca, Mg)	74	
Magnesium (Mg)	5.4		Noncarbonate hardness as $CaCO_3$	5	
Sodium (Na)	4.3		Percent sodium	11	
Potassium (K)	.7		Alkalinity as $CaCO_3$	69	
Bicarbonate (HCO_3)	84		Specific conductance (umhos/cm at 25°C)	160	
Carbonate (CO_3)	0		pH (units)	8.1	
Sulfate (SO_4)	2.5		Temperature (°C)	25.0	
Chloride (Cl)	9.1		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	13	Strontium, dissolved (Sr)	1,300
Iron (Fe)	40	Zinc (Zn)	30
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	--
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	5.6	Gross Beta, as strontium-90	< .4
Gross Beta, as cesium-137	< .4		

PUBLIC WATER SUPPLY: Baker
COUNTY: Okaloosa COLLECTION DATE: 01-04-78
SAMPLING POINT (1) Treated water-304801086403190, tap under holding tank in rear of water treatment building (east side).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	21		Dissolved solids (residue at 180°C)	215	
Calcium (Ca)	10		Hardness as $CaCO_3$ (Ca, Mg)	51	
Magnesium (Mg)	6.3		Noncarbonate hardness as $CaCO_3$	0	
Sodium (Na)	60		Percent sodium	69	
Potassium (K)	6.0		Alkalinity as $CaCO_3$	140	
Bicarbonate (HCO_3)	170		Specific conductance (umhos/cm at 25°C)	325	
Carbonate (CO_3)	0		pH (units)	7.7	
Sulfate (SO_4)	6.3		Temperature (°C)	20.0	
Chloride (Cl)	20		Color (Pt-Co units)	4	
Fluoride (F)	.6		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	5	Strontium, dissolved (Sr)	360
Iron (Fe)	40	Zinc (Zn)	10
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	1.8	Gross Beta, as strontium-90	5.8
Gross Beta, as cesium-137	6.8		

PUBLIC WATER SUPPLY: Bay County Water System
COUNTY: Bay COLLECTION DATE: 12-22-77
SAMPLING POINT (1) Treated water-301215085370590, Tyndall Air Force Base, Wherry II housing area, 2445 Lincoln Drive, outside tap.
(2) Raw water-301215085370500, (Deer Point Lake) tap in second floor water treatment laboratory.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	4.0	3.7	Dissolved solids (residue at 180°C)	93	54
Calcium (Ca)	25	10	Hardness as $CaCO_3$ (Ca, Mg)	58	33
Magnesium (Mg)	2.0	1.8	Noncarbonate hardness as $CaCO_3$	25	5
Sodium (Na)	4.3	4.4	Percent sodium	14	22
Potassium (K)	.5	.5	Alkalinity as $CaCO_3$	33	27
Bicarbonate (HCO_3)	40	33	Specific conductance (umhos/cm at 25°C)	100	60
Carbonate (CO_3)	0	0	pH (units)	8.9	6.6
Sulfate (SO_4)	11	3.0	Temperature (°C)	17.0	13.0
Chloride (Cl)	14	9.5	Color (Pt-Co units)	6	5
Fluoride (F)	.6	.0	Turbidity (NTU)	1	1
Nitrate (NO_3-N), total	.01	.00			
Nitrite (NO_2-N), total	.00	.00			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	3	0	Manganese (Mn)	20	0
Barium (Ba)	--	--	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	0	0	Selenium (Se)	0	0
Chromium (Cr)	<10	10	Silver (Ag)	0	0
Copper (Cu)	18	2	Strontium, dissolved (Sr)	100	100
Iron (Fe)	200	170	Zinc (Zn)	20	10
Lead (Pb)	44	21			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<.9	<.8	Gross Beta, as strontium-90	1.0	1.0
Gross Beta, as cesium-137	1.1	1.0			

PUBLIC WATER SUPPLY: Bellair
COUNTY: Pinellas COLLECTION DATE: 12-20-77
SAMPLING POINT (1) Treated water-275603082480409, tap inside pumphouse at northwest end of building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	26		Dissolved solids (residue at 180°C)	241	
Calcium (Ca)	56		Hardness as $CaCO_3$ (Ca, Mg)	170	
Magnesium (Mg)	7.4		Noncarbonate hardness as $CaCO_3$	39	
Sodium (Na)	16		Percent sodium	17	
Potassium (K)	1.1		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	6.7		Temperature (°C)	--	
Chloride (Cl)	45		Color (Pt-Co units)	2	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.02				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	3	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	2
Copper (Cu)	3	Strontium, dissolved (Sr)	120
Iron (Fe)	40	Zinc (Zn)	30
Lead (Pb)	1		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	2.0	Gross Beta, as strontium-90	1.0
Gross Beta, as cesium-137	1.1		

PUBLIC WATER SUPPLY: Belle Glade
COUNTY: Palm Beach COLLECTION DATE: 12-06-77
SAMPLING POINT (1) Treated water-264125080404302, Belle Glade water treatment plant laboratory.
(2) Raw water-264125080404300, Belle Glade water treatment plant intake, tap in front yard, northwest corner.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.0	16	Dissolved solids (residue at 180°C)	489	632
Calcium (Ca)	59	73	Hardness as $CaCO_3$ (Ca, Mg)	180	320
Magnesium (Mg)	7.3	32	Noncarbonate hardness as $CaCO_3$	120	89
Sodium (Na)	80	95	Percent sodium	49	39
Potassium (K)	5.8	5.8	Alkalinity as $CaCO_3$	59	320
Bicarbonate (HCO_3)	52	276	Specific conductance (umhos/cm at 25°C)	750	950
Carbonate (CO_3)	10	0	pH (units)	9.7	7.9
Sulfate (SO_4)	120	94	Temperature (°C)	25.0	24.5
Chloride (Cl)	140	150	Color (Pt-Co units)	0	70
Fluoride (F)	.4	.5	Turbidity (NTU)	1	1
Nitrate (NO_3-N), total	.21	.16			
Nitrite (NO_2-N), total	.00	.01			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	3	Manganese (Mn)	0	10
Barium (Ba)	0	100	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	0	1	Selenium (Se)	0	0
Chromium (Cr)	10	<10	Silver (Ag)	0	0
Copper (Cu)	3	3	Strontium, dissolved (Sr)	1000	1500
Iron (Fe)	30	20	Zinc (Zn)	0	20
Lead (Pb)	6	13			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.04
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<3.7	<8.2	Gross Beta, as strontium-90	7.3	8.5
Gross Beta, as cesium-137	8.2	9.8			

PUBLIC WATER SUPPLY: Belleview
COUNTY: Marion COLLECTION DATE: 11-08-77
SAMPLING POINT (1) Treated water-290339082032001, tap outside pumphouse building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	12		Dissolved solids (residue at 180°C)	278	
Calcium (Ca)	63		Hardness as CaCO3 (Ca, Mg)	210	
Magnesium (Mg)	12		Noncarbonate hardness as CaCO3	68	
Sodium (Na)	8.7		Percent sodium	8	
Potassium (K)	1.0		Alkalinity as CaCO3	140	
Bicarbonate (HCO3)	170		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	8.0	
Sulfate (SO4)	70		Temperature (°C)	24.0	
Chloride (Cl)	14		Color (Pt-Co units)	2	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO3-N), total	.36				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	4	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	1.8
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	700
Iron (Fe)	30	Zinc (Zn)	20
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	3.4	Gross Beta, as strontium-90	9.1
Gross Beta, as cesium-137	9.5		

PUBLIC WATER SUPPLY: Bradenton
COUNTY: Manatee COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-272935082335009, tap outside, behind water treatment plant.
(2) Raw water-272935082335000, tap inside water treatment plant.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	4.2	4.3	Dissolved solids (residue at 180°C)	178	153
Calcium (Ca)	36	22	Hardness as $CaCO_3$ (Ca, Mg)	120	82
Magnesium (Mg)	6.6	6.2	Noncarbonate hardness as $CaCO_3$	95	54
Sodium (Na)	8.1	8.7	Percent sodium	13	18
Potassium (K)	3.0	3.1	Alkalinity as $CaCO_3$	24	28
Bicarbonate (HCO_3)	29	34	Specific conductance (umhos/cm at 25°C)	--	--
Carbonate (CO_3)	0	0	pH (units)	8.2	6.5
Sulfate (SO_4)	81	43	Temperature (°C)	--	--
Chloride (Cl)	22	15	Color (Pt-Co units)	2	160
Fluoride (F)	.1	.1	Turbidity (NTU)	1	1
Nitrate (NO_3-N), total	.15	.16			
Nitrite (NO_2-N), total	.00	.00			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	1	Manganese (Mn)	10	20
Barium (Ba)	--	--	Mercury (Hg)	< .5	< .5
Cadmium (Cd)	0	0	Selenium (Se)	0	0
Chromium (Cr)	10	< 10	Silver (Ag)	2	0
Copper (Cu)	4	19	Strontium, dissolved (Sr)	1100	1100
Iron (Fe)	50	490	Zinc (Zn)	10	30
Lead (Pb)	2	0			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	--
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.0	--
Heptachlor epoxide	.00	.00	2,4,5-T	.0	--

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	2.0	1.9	Gross Beta, as strontium-90	5.7	7.9
Gross Beta, as cesium-137	6.2	8.9			

PUBLIC WATER SUPPLY: Branford
COUNTY: Suwannee COLLECTION DATE: 11-09-77
SAMPLING POINT (1) Treated water-295734082554390, tap outside on east end of fire department/water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	8.0		Dissolved solids (residue at 180°C)	545	
Calcium (Ca)	96		Hardness as $CaCO_3$ (Ca, Mg)	400	
Magnesium (Mg)	39		Noncarbonate hardness as $CaCO_3$	190	
Sodium (Na)	17		Percent sodium	8	
Potassium (K)	3.0		Alkalinity as $CaCO_3$	210	
Bicarbonate (HCO_3)	260		Specific conductance (umhos/cm at 25°C)	810	
Carbonate (CO_3)	0		pH (units)	7.1	
Sulfate (SO_4)	200		Temperature (°C)	22.0	
Chloride (Cl)	12		Color (Pt-Co units)	1	
Fluoride (F)	.2		Turbidity (NTU)	2	
Nitrate (NO_3-N), total	1.7				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	6	Strontium, dissolved (Sr)	1200
Iron (Fe)	30	Zinc (Zn)	30
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	14	Gross Beta, as strontium-90	4.1
Gross Beta, as cesium-137	4.9		

PUBLIC WATER SUPPLY: Bunnel
COUNTY: Flagler COLLECTION DATE: 11-03-77
SAMPLING POINT (1) Treated water-292826081145801, tap in water treatment plant office on Dean Road.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as CaCO3 (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as CaCO3		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as CaCO3		
Bicarbonate (HCO3)			Specific conductance (umhos/cm at 25°C)		
Carbonate (CO3)			pH (units)		
Sulfate (SO4)			Temperature (°C)		
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO3-N), total					
Nitrite (NO2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)		Manganese (Mn)	
Barium (Ba)		Mercury (Hg)	
Cadmium (Cd)		Selenium (Se)	
Chromium (Cr)		Silver (Ag)	
Copper (Cu)		Strontium, dissolved (Sr)	
Iron (Fe)		Zinc (Zn)	
Lead (Pb)			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin		Lindane	
Chlordane		Methoxychlor	
DDD		Mirex	
DDE		PCB	
DDT		PCN	
Dieldrin		Silvex	
Endrin		Toxaphene	
Heptachlor		2,4-D	
Heptachlor epoxide		2,4,5-T	

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 4.3	Gross Beta, as strontium-90	2.4
Gross Beta, as cesium-137	2.7		

PUBLIC WATER SUPPLY: Callahan
COUNTY: Nassau COLLECTION DATE: 12-14-77
SAMPLING POINT (1) Treated water-303347081494301, tap in restroom of City Hall on Kings Street.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	36		Dissolved solids (residue at 180°C)	400	
Calcium (Ca)	66		Hardness as $CaCO_3$ (Ca, Mg)	290	
Magnesium (Mg)	30		Noncarbonate hardness as $CaCO_3$	160	
Sodium (Na)	18		Percent sodium	12	
Potassium (K)	2.0		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	650	
Carbonate (CO_3)	0		pH (units)	6.8	
Sulfate (SO_4)	120		Temperature (°C)	20.5	
Chloride (Cl)	42		Color (Pt-Co units)	0	
Fluoride (F)	.6		Turbidity (NTU)	2	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	4	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	1
Copper (Cu)	22	Strontium, dissolved (Sr)	470
Iron (Fe)	70	Zinc (Zn)	100
Lead (Pb)	5		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	5.6	Gross Beta, as strontium-90	.9
Gross Beta, as cesium-137	1.0		

PUBLIC WATER SUPPLY: Carrolwood
COUNTY: Hillsborough COLLECTION DATE: 12-27-77
SAMPLING POINT (1) Treated water-280232082300809, tap outside pumphouse building (well number 4) on west side.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	13		Dissolved solids (residue at 180°C)	228	
Calcium (Ca)	74		Hardness as $CaCO_3$ (Ca, Mg)	200	
Magnesium (Mg)	4.7		Noncarbonate hardness as $CaCO_3$	16	
Sodium (Na)	5.2		Percent sodium	5	
Potassium (K)	5.1		Alkalinity as $CaCO_3$	190	
Bicarbonate (HCO_3)	230		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.1	
Sulfate (SO_4)	1.7		Temperature (°C)	--	
Chloride (Cl)	16		Color (Pt-Co units)	2	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	3	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	110
Iron (Fe)	40	Zinc (Zn)	10
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	4.2	Gross Beta, as strontium-90	1.9
Gross Beta, as cesium-137	2.1		

PUBLIC WATER SUPPLY: Century Village Utilities
COUNTY: Palm Beach COLLECTION DATE: 11-30-77
SAMPLING POINT (1) Treated water-264228080073802, tap in laboratory at water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	12		Dissolved solids (residue at 180°C)	260	
Calcium (Ca)	33		Hardness as $CaCO_3$ (Ca, Mg)	100	
Magnesium (Mg)	4.5		Noncarbonate hardness as $CaCO_3$	54	
Sodium (Na)	38		Percent sodium	45	
Potassium (K)	1.5		Alkalinity as $CaCO_3$	46	
Bicarbonate (HCO_3)	56		Specific conductance (umhos/cm at 25°C)	385	
Carbonate (CO_3)	0		pH (units)	8.1	
Sulfate (SO_4)	13		Temperature (°C)	26.0	
Chloride (Cl)	83		Color (Pt-Co units)	7	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.02				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	760
Iron (Fe)	10	Zinc (Zn)	10
Lead (Pb)	27		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Chattahoochee
COUNTY: Gadsden COLLECTION DATE: 12-02-77
SAMPLING POINT (1) Treated water-304217084493790, tap on west side of unit 3 building at the Florida State Hospital (Mosquito Creek).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	6.1		Dissolved solids (residue at 180°C)	79	
Calcium (Ca)	17		Hardness as CaCO3 (Ca, Mg)	48	
Magnesium (Mg)	1.4		Noncarbonate hardness as CaCO3	22	
Sodium (Na)	2.5		Percent sodium	10	
Potassium (K)	.6		Alkalinity as CaCO3	26	
Bicarbonate (HCO3)	30		Specific conductance (umhos/cm at 25°C)	95	
Carbonate (CO3)	1		pH (units)	9.1	
Sulfate (SO4)	12		Temperature (°C)	20.0	
Chloride (Cl)	11		Color (Pt-Co units)	1	
Fluoride (F)	.0		Turbidity (NTU)	0	
Nitrate (NO3-N), total	.14				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	50	Strontium, dissolved (Sr)	60
Iron (Fe)	50	Zinc (Zn)	10
Lead (Pb)	14		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<1.0	Gross Beta, as strontium-90	0.9
Gross Beta, as cesium-137	1.0		

PUBLIC WATER SUPPLY: Chiefland
COUNTY: Levy COLLECTION DATE: 11-08-77
SAMPLING POINT (1) Treated water-292844082513301, tap outside pump house.

(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	5.3		Dissolved solids (residue at 180°C)	226	
Calcium (Ca)	76		Hardness as $CaCO_3$ (Ca, Mg)	200	
Magnesium (Mg)	3.1		Noncarbonate hardness as $CaCO_3$	39	
Sodium (Na)	4.3		Percent sodium	4	
Potassium (K)	.8		Alkalinity as $CaCO_3$	--	
Bicarbonate (HCO_3)	--		Specific conductance (umhos/cm at 25°C)	406	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	24		Temperature (°C)	24.0	
Chloride (Cl)	8.6		Color (Pt-Co units)	1	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	2.3				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	3
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	7	Strontium, dissolved (Sr)	160
Iron (Fe)	40	Zinc (Zn)	10
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	--
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	--
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<2.6	Gross Beta, as strontium-90	1.0
Gross Beta, as cesium-137	1.2		

PUBLIC WATER SUPPLY: Clermont
COUNTY: Lake COLLECTION DATE: 11-03-77
SAMPLING POINT (1) Treated water-283301081445901, tap inside laboratory water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	15		Dissolved solids (residue at 180°C)	194	
Calcium (Ca)	44		Hardness as $CaCO_3$ (Ca, Mg)	150	
Magnesium (Mg)	10		Noncarbonate hardness as $CaCO_3$	28	
Sodium (Na)	11		Percent sodium	14	
Potassium (K)	1.4		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.6	
Sulfate (SO_4)	15		Temperature (°C)	24.0	
Chloride (Cl)	17		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	2.9				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	100	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	1	Strontium, dissolved (Sr)	100
Iron (Fe)	40	Zinc (Zn)	40
Lead (Pb)	7		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	--	Lindane	--
Chlordane	--	Methoxychlor	--
DDD	--	Mirex	--
DDE	--	PCB	--
DDT	--	PCN	--
Dieldrin	--	Silvex	.00
Endrin	--	Toxaphene	--
Heptachlor	--	2,4-D	.00
Heptachlor epoxide	--	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Clewiston
COUNTY: Hendry COLLECTION DATE: 02-02-78
SAMPLING POINT (1) Treated water-264417080560802, tap at Benbow Village, Moorehaven (Glades County).
(2) Raw water-264417080560701, (U.S. Sugar Corporation) Clewiston water treatment plant intake from canal at Lake Okeechobee.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	10	15	Dissolved solids (residue at 180°C)	386	438
Calcium (Ca)	46	46	Hardness as $CaCO_3$ (Ca, Mg)	150	200
Magnesium (Mg)	7.2	20	Noncarbonate hardness as $CaCO_3$	93	76
Sodium (Na)	61	65	Percent sodium	47	41
Potassium (K)	5.7	5.8	Alkalinity as $CaCO_3$	53	120
Bicarbonate (HCO_3)	44	150	Specific conductance (umhos/cm at 25°C)	616	--
Carbonate (CO_3)	10	0	pH (units)	10.0	8.2
Sulfate (SO_4)	81	70	Temperature (°C)	20.5	17.5
Chloride (Cl)	100	100	Color (Pt-Co units)	10	150
Fluoride (F)	.3	.3	Turbidity (NTU)	--	--
Nitrate (NO_3-N), total	--	--			
Nitrite (NO_2-N), total	--	--			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	1	Manganese (Mn)	10	30
Barium (Ba)	0	100	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	1	1	Selenium (Se)	0	0
Chromium (Cr)	20	20	Silver (Ag)	0	0
Copper (Cu)	5	21	Strontium, dissolved (Sr)	740	1200
Iron (Fe)	40	1000	Zinc (Zn)	10	10
Lead (Pb)	5	19			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	<4.3	Gross Beta, as strontium-90	--	12
Gross Beta, as cesium-137	--	13			

PUBLIC WATER SUPPLY: Collier Estates
COUNTY: Broward COLLECTION DATE: 11-23-77
SAMPLING POINT (1) Treated water-261120080080401, tap at store, Northridge Shopping Center.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.2		Dissolved solids (residue at 180°C)	251	
Calcium (Ca)	30		Hardness as $CaCO_3$ (Ca, Mg)	110	
Magnesium (Mg)	7.4		Noncarbonate hardness as $CaCO_3$	38	
Sodium (Na)	41		Percent sodium	45	
Potassium (K)	2.8		Alkalinity as $CaCO_3$	68	
Bicarbonate (HCO_3)	83		Specific conductance (umhos/cm at 25°C)	440	
Carbonate (CO_3)	0		pH (units)	8.2	
Sulfate (SO_4)	14		Temperature (°C)	26.5	
Chloride (Cl)	84		Color (Pt-Co units)	10	
Fluoride (F)	.5		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.06				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	.6
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	9	Strontium, dissolved (Sr)	330
Iron (Fe)	190	Zinc (Zn)	110
Lead (Pb)	18		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.14
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Colonial Hills
COUNTY: Pasco COLLECTION DATE: 12-20-77
SAMPLING POINT (1) Treated water-281252082434609, tap on holding tank near pumphouse (well number 2).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	16		Dissolved solids (residue at 180°C)	524	
Calcium (Ca)	95		Hardness as CaCO3 (Ca, Mg)	300	
Magnesium (Mg)	15		Noncarbonate hardness as CaCO3	170	
Sodium (Na)	50		Percent sodium	26	
Potassium (K)	3.3		Alkalinity as CaCO3	130	
Bicarbonate (HCO3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	7.2	
Sulfate (SO4)	74		Temperature (°C)	--	
Chloride (Cl)	130		Color (Pt-Co units)	3	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO3-N), total	5.7				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	6
Chromium (Cr)	< 10	Silver (Ag)	2
Copper (Cu)	4	Strontium, dissolved (Sr)	180
Iron (Fe)	20	Zinc (Zn)	10
Lead (Pb)	1		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	41	Gross Beta, as strontium-90	13
Gross Beta, as cesium-137	15		

PUBLIC WATER SUPPLY: Conway
COUNTY: Orange COLLECTION DATE: 11-14-77
SAMPLING POINT (1) Treated water-282912081181501, tap at First Florida Utilities water treatment plant at Conway.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	168	
Calcium (Ca)	41		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	7.0		Noncarbonate hardness as $CaCO_3$	9	
Sodium (Na)	9.6		Percent sodium	14	
Potassium (K)	1.3		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.1	
Sulfate (SO_4)	7.8		Temperature (°C)	20.0	
Chloride (Cl)	20		Color (Pt-Co units)	5	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	100	Mercury (Hg)	< .5
Cadmium (Cd)	2	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	12	Strontium, dissolved (Sr)	490
Iron (Fe)	110	Zinc (Zn)	130
Lead (Pb)	23		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.3	Gross Beta, as strontium-90	<1.0
Gross Beta, as cesium-137	< 1.1		

PUBLIC WATER SUPPLY: Crescent City
COUNTY: Putnam COLLECTION DATE: 11-08-77
SAMPLING POINT (1) Treated water-292546081305901, tap outside water treatment plant office.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	10		Dissolved solids (residue at 180°C)	187	
Calcium (Ca)	42		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	5.8		Noncarbonate hardness as $CaCO_3$	22	
Sodium (Na)	13		Percent sodium	18	
Potassium (K)	1.1		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	130		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.3	
Sulfate (SO_4)	1.7		Temperature (°C)	23.5	
Chloride (Cl)	28		Color (Pt-Co units)	2	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.07				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	1
Copper (Cu)	80	Strontium, dissolved (Sr)	200
Iron (Fe)	260	Zinc (Zn)	20
Lead (Pb)	5		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 10	Gross Beta, as strontium-90	< 2.5
Gross Beta, as cesium-137	< 2.9		

PUBLIC WATER SUPPLY: Crystal River
COUNTY: Citrus COLLECTION DATE: 12-19-77
SAMPLING POINT (1) Treated water-285356082352809, tap on east side of well building (at 123 northwest Highway 19).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	113	
Calcium (Ca)	27		Hardness as $CaCO_3$ (Ca, Mg)	90	
Magnesium (Mg)	5.4		Noncarbonate hardness as $CaCO_3$	20	
Sodium (Na)	2.7		Percent sodium	6	
Potassium (K)	.3		Alkalinity as $CaCO_3$	70	
Bicarbonate (HCO_3)	85		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.5	
Sulfate (SO_4)	14		Temperature (°C)	--	
Chloride (Cl)	4.9		Color (Pt-Co units)	3	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.15				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	110
Iron (Fe)	20	Zinc (Zn)	30
Lead (Pb)	10		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 1.0	Gross Beta, as strontium-90	< .4
Gross Beta, as cesium-137	< .4		

PUBLIC WATER SUPPLY: Davie
COUNTY: Broward COLLECTION DATE: 11-22-77
SAMPLING POINT (1) Treated water-260243080133001, tap inside Davie Water Treatment plant, 68th Avenue and Sterling Road.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.6		Dissolved solids (residue at 180°C)	177	
Calcium (Ca)	37		Hardness as $CaCO_3$ (Ca, Mg)	110	
Magnesium (Mg)	3.2		Noncarbonate hardness as $CaCO_3$	26	
Sodium (Na)	12		Percent sodium	19	
Potassium (K)	2.0		Alkalinity as $CaCO_3$	80	
Bicarbonate (HCO_3)	97		Specific conductance (umhos/cm at 25°C)	285	
Carbonate (CO_3)	0		pH (units)	7.9	
Sulfate (SO_4)	11		Temperature (°C)	27.0	
Chloride (Cl)	32		Color (Pt-Co units)	22	
Fluoride (F)	.2		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	.6
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	10	Strontium, dissolved (Sr)	290
Iron (Fe)	100	Zinc (Zn)	30
Lead (Pb)	19		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Delmar Corporation
COUNTY: Pasco COLLECTION DATE: 11-22-77
SAMPLING POINT (1) Treated water-282120082391109, tap on holding tank near well number 2.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	7.1		Dissolved solids (residue at 180°C)	199	
Calcium (Ca)	57		Hardness as $CaCO_3$ (Ca, Mg)	160	
Magnesium (Mg)	3.0		Noncarbonate hardness as $CaCO_3$	32	
Sodium (Na)	17		Percent sodium	19	
Potassium (K)	.7		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.7	
Sulfate (SO_4)	15		Temperature (°C)	--	
Chloride (Cl)	34		Color (Pt-Co units)	4	
Fluoride (F)	.0		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.81				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	250
Iron (Fe)	20	Zinc (Zn)	10
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Deltona
COUNTY: Volusia COLLECTION DATE: 11-02-77
SAMPLING POINT (1) Treated water-285348081140801, tap at water treatment plant (well number 9).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	18		Dissolved solids (residue at 180°C)	304	
Calcium (Ca)	22		Hardness as CaCO3 (Ca, Mg)	100	
Magnesium (Mg)	11		Noncarbonate hardness as CaCO3	69	
Sodium (Na)	60		Percent sodium	56	
Potassium (K)	2.1		Alkalinity as CaCO3	31	
Bicarbonate (HCO3)	38		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	7.0	
Sulfate (SO4)	7.9		Temperature (°C)	23.5	
Chloride (Cl)	140		Color (Pt-Co units)	9	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO3-N), total	.00				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	1	Strontium, dissolved (Sr)	160
Iron (Fe)	30	Zinc (Zn)	30
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 3.1	Gross Beta, as strontium-90	2.6
Gross Beta, as cesium-137	2.9		

PUBLIC WATER SUPPLY: Eaton Park
COUNTY: Polk COLLECTION DATE: 12-15-77
SAMPLING POINT (1) Treated water-280029081542509, tap outside on south side of pumphouse.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	21		Dissolved solids (residue at 180°C)	167	
Calcium (Ca)	36		Hardness as $CaCO_3$ (Ca, Mg)	140	
Magnesium (Mg)	12		Noncarbonate hardness as $CaCO_3$	8	
Sodium (Na)	4.5		Percent sodium	7	
Potassium (K)	.9		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	8.2	
Sulfate (SO_4)	3.0		Temperature (°C)	--	
Chloride (Cl)	9.4		Color (Pt-Co units)	2	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.06				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	8	Strontium, dissolved (Sr)	60
Iron (Fe)	240	Zinc (Zn)	10
Lead (Pb)	9		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	3.6	Gross Beta, as strontium-90	1.6
Gross Beta, as cesium-137	1.8		

PUBLIC WATER SUPPLY: Englewood
COUNTY: Sarasota COLLECTION DATE: 12-22-77
SAMPLING POINT (1) Treated water-2657130822-5609, tap outside water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as CaCO3 (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as CaCO3		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as CaCO3		
Bicarbonate (HCO3)			Specific conductance (umhos/cm at 25°C)		
Carbonate (CO3)			pH (units)	8.6	
Sulfate (SO4)			Temperature (°C)		
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO3-N), total					
Nitrite (NO2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Cadmium (Cd)	Selenium (Se)
Chromium (Cr)	Silver (Ag)
Copper (Cu)	Strontium, dissolved (Sr)
Iron (Fe)	Zinc (Zn)
Lead (Pb)	

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	Lindane
Chlordane	Methoxychlor
DDD	Mirex
DDE	PCB
DDT	PCN
Dieldrin	Silvex
Endrin	Toxaphene
Heptachlor	2,4-D
Heptachlor epoxide	2,4,5-T

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 3.9	Gross Beta, as strontium-90	< 1.3
Gross Beta, as cesium-137	< 1.4		

PUBLIC WATER SUPPLY: Eustis
COUNTY: Lake COLLECTION DATE: 11-16-77
SAMPLING POINT (1) Treated water-285047081401101, tap inside pumphouse.

(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	114	
Calcium (Ca)	24		Hardness as $CaCO_3$ (Ca, Mg)	96	
Magnesium (Mg)	8.7		Noncarbonate hardness as $CaCO_3$	14	
Sodium (Na)	5.8		Percent sodium	12	
Potassium (K)	1.1		Alkalinity as $CaCO_3$	82	
Bicarbonate (HCO_3)	100		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.2	
Sulfate (SO_4)	5.5		Temperature (°C)	24.0	
Chloride (Cl)	14		Color (Pt-Co units)	2	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	1.7
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	1
Copper (Cu)	5	Strontium, dissolved (Sr)	140
Iron (Fe)	50	Zinc (Zn)	60
Lead (Pb)	5		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	2.4	Gross Beta, as strontium-90	.8
Gross Beta, as cesium-137	.9		

PUBLIC WATER SUPPLY: Fernandina Beach
COUNTY: Nassau COLLECTION DATE: 12-08-77
SAMPLING POINT (1) Treated water-303701081263101, fire hydrant at the Buccaneer Trail (Route A1A), 1.5 miles south of Sadler Road.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as $CaCO_3$ (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as $CaCO_3$		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as $CaCO_3$		
Bicarbonate (HCO_3)			Specific conductance (umhos/cm at 25°C)	715	
Carbonate (CO_3)			pH (units)	7.2	
Sulfate (SO_4)			Temperature (°C)	20.0	
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO_3-N), total					
Nitrite (NO_2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Cadmium (Cd)	Selenium (Se)
Chromium (Cr)	Silver (Ag)
Copper (Cu)	Strontium, dissolved (Sr)
Iron (Fe)	Zinc (Zn)
Lead (Pb)	

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	Lindane
Chlordane	Methoxychlor
DDD	Mirex
DDE	PCB
DDT	PCN
Dieldrin	Silvex
Endrin	Toxaphene
Heptachlor	2,4-D
Heptachlor epoxide	2,4,5-T

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<4.4	Gross Beta, as strontium-90	2.2
Gross Beta, as cesium-137	2.5		

PUBLIC WATER SUPPLY: First Florida Utilities
COUNTY: Palm Beach COLLECTION DATE: 11-30-77
SAMPLING POINT (1) Treated water-264147080084002, tap at Shadow Lake Mobile Home Village at southeast corner (2" pipe, 4' high).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	15		Dissolved solids (residue at 180°C)	342	
Calcium (Ca)	87		Hardness as $CaCO_3$ (Ca, Mg)	240	
Magnesium (Mg)	4.7		Noncarbonate hardness as $CaCO_3$	58	
Sodium (Na)	32		Percent sodium	23	
Potassium (K)	1.4		Alkalinity as $CaCO_3$	180	
Bicarbonate (HCO_3)	220		Specific conductance (umhos/cm at 25°C)	570	
Carbonate (CO_3)	0		pH (units)	7.7	
Sulfate (SO_4)	12		Temperature (°C)	25.5	
Chloride (Cl)	67		Color (Pt-Co units)	42	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	7	Strontium, dissolved (Sr)	1500
Iron (Fe)	150	Zinc (Zn)	50
Lead (Pb)	3		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.02
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 6.1	Gross Beta, as strontium-90	1.3
Gross Beta, as cesium-137	1.5		

PUBLIC WATER SUPPLY: Flagler Beach
COUNTY: Flagler COLLECTION DATE: 11-09-77
SAMPLING POINT (1) Treated water-292830081114601, tap inside water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	25		Dissolved solids (residue at 180°C)	394	
Calcium (Ca)	37		Hardness as $CaCO_3$ (Ca, Mg)	120	
Magnesium (Mg)	5.8		Noncarbonate hardness as $CaCO_3$	91	
Sodium (Na)	56		Percent sodium	51	
Potassium (K)	2.0		Alkalinity as $CaCO_3$	25	
Bicarbonate (HCO_3)	31		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	9.3	
Sulfate (SO_4)	19		Temperature (°C)	21.5	
Chloride (Cl)	150		Color (Pt-Co units)	3	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.04				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	4	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	1
Copper (Cu)	2	Strontium, dissolved (Sr)	340
Iron (Fe)	280	Zinc (Zn)	10
Lead (Pb)	2		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<2.7	Gross Beta, as strontium-90	1.6
Gross Beta, as cesium-137	1.8		

PUBLIC WATER SUPPLY: Florida City
COUNTY: Dade COLLECTION DATE: 12-15-77
SAMPLING POINT (1) Treated water-252632080285501, tap at house, 351 SW 5th Street, Florida City.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	3.6		Dissolved solids (residue at 180°C)	319	
Calcium (Ca)	88		Hardness as $CaCO_3$ (Ca, Mg)	230	
Magnesium (Mg)	3.3		Noncarbonate hardness as $CaCO_3$	21	
Sodium (Na)	27		Percent sodium	20	
Potassium (K)	4.1		Alkalinity as $CaCO_3$	210	
Bicarbonate (HCO_3)	260		Specific conductance (umhos/cm at 25°C)	545	
Carbonate (CO_3)	0		pH (units)	7.8	
Sulfate (SO_4)	36		Temperature (°C)	25.0	
Chloride (Cl)	31		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.15				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	.6
Cadmium (Cd)	4	Selenium (Se)	0
Chromium (Cr)	30	Silver (Ag)	1
Copper (Cu)	42	Strontium, dissolved (Sr)	830
Iron (Fe)	50	Zinc (Zn)	10
Lead (Pb)	43		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 4.2	Gross Beta, as strontium-90	4.3
Gross Beta, as cesium-137	4.8		

PUBLIC WATER SUPPLY: Forest Hills
COUNTY: Pasco COLLECTION DATE: 12-20-77
SAMPLING POINT (1) Treated water-281041082435309, tap inside pumphouse building (well number 2).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.0		Dissolved solids (residue at 180°C)	321	
Calcium (Ca)	68		Hardness as $CaCO_3$ (Ca, Mg)	190	
Magnesium (Mg)	4.1		Noncarbonate hardness as $CaCO_3$	88	
Sodium (Na)	46		Percent sodium	35	
Potassium (K)	1.7		Alkalinity as $CaCO_3$	98	
Bicarbonate (HCO_3)	120		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.5	
Sulfate (SO_4)	34		Temperature (°C)	--	
Chloride (Cl)	96		Color (Pt-Co units)	0	
Fluoride (F)	.0		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	5.8				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	4
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	110
Iron (Fe)	70	Zinc (Zn)	20
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	--	Lindane	--
Chlordane	--	Methoxychlor	--
DDD	--	Mirex	--
DDE	--	PCB	--
DDT	--	PCN	--
Dieldrin	--	Silvex	--
Endrin	--	Toxaphene	--
Heptachlor	--	2,4-D	--
Heptachlor epoxide	--	2,4,5-T	--

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	2.2	Gross Beta, as strontium-90	2.8
Gross Beta, as cesium-137	3.1		

PUBLIC WATER SUPPLY: Fort Meade
COUNTY: Polk COLLECTION DATE: 12-15-77
SAMPLING POINT (1) Treated water-274512082483509, tap in main feeder line on north side of pump house building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	20		Dissolved solids (residue at 180°C)	278	
Calcium (Ca)	55		Hardness as $CaCO_3$ (Ca, Mg)	210	
Magnesium (Mg)	17		Noncarbonate hardness as $CaCO_3$	79	
Sodium (Na)	7.3		Percent sodium	7	
Potassium (K)	1.6		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.2	
Sulfate (SO_4)	68		Temperature (°C)	--	
Chloride (Cl)	12		Color (Pt-Co units)	2	
Fluoride (F)	.4		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.02				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	--	Manganese (Mn)	1
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	--
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	13	Strontium, dissolved (Sr)	2,300
Iron (Fe)	10	Zinc (Zn)	10
Lead (Pb)	8		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Frostproof
COUNTY: Polk COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-274443081314709, tap on south side of pumphouse building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	24		Dissolved solids (residue at 180°C)	174	
Calcium (Ca)	32		Hardness as CaCO3 (Ca, Mg)	150	
Magnesium (Mg)	16		Noncarbonate hardness as CaCO3	18	
Sodium (Na)	8.2		Percent sodium	11	
Potassium (K)	.7		Alkalinity as CaCO3	130	
Bicarbonate (HCO3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	--	
Sulfate (SO4)	8.2		Temperature (°C)	--	
Chloride (Cl)	15		Color (Pt-Co units)	2	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO3-N), total	.02				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	2900
Iron (Fe)	20	Zinc (Zn)	30
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	12	Gross Beta, as strontium-90	5.1
Gross Beta, as cesium-137	5.6		

PUBLIC WATER SUPPLY: G. Pierce Wood Memorial Hospital
COUNTY: DeSoto COLLECTION DATE: 12-15-77
SAMPLING POINT (1) Treated water-270825081482109, tap at south side of Lulidin, 31 at hospital.
(2) Raw water

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	13		Dissolved solids (residue at 180°C)	544	
Calcium (Ca)	30		Hardness as $CaCO_3$ (Ca, Mg)	190	
Magnesium (Mg)	24		Noncarbonate hardness as $CaCO_3$	120	
Sodium (Na)	110		Percent sodium	57	
Potassium (K)	3.3		Alkalinity as $CaCO_3$	66	
Bicarbonate (HCO_3)	79		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	1		pH (units)	9.1	
Sulfate (SO_4)	260		Temperature (°C)	--	
Chloride (Cl)	74		Color (Pt-Co units)	2	
Fluoride (F)	.8		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.07				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	---	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	12000
Iron (Fe)	0	Zinc (Zn)	0
Lead (Pb)	8		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	10	Gross Beta, as strontium-90	4.2
Gross Beta, as cesium-137	4.6		

PUBLIC WATER SUPPLY: Garden Grove
COUNTY: Polk COLLECTION DATE: 12-14-77
SAMPLING POINT (1) Treated water-280014081414509, tap on holding tank just north of water treatment plant building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	12		Dissolved solids (residue at 180°C)	173	
Calcium (Ca)	42		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	6.0		Noncarbonate hardness as $CaCO_3$	23	
Sodium (Na)	7.2		Percent sodium	11	
Potassium (K)	1.3		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	130		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.1	
Sulfate (SO_4)	16		Temperature (°C)	--	
Chloride (Cl)	15		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.37				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	3	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	1
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	6	Strontium, dissolved (Sr)	100
Iron (Fe)	30	Zinc (Zn)	10
Lead (Pb)	8		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	6.4	Gross Beta, as strontium-90	4.1
Gross Beta, as cesium-137	4.4		

PUBLIC WATER SUPPLY: Gifford
COUNTY: Indian River COLLECTION DATE: 11-09-77
SAMPLING POINT (1) Treated water-274008080274901, tap outside utilities office.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	20		Dissolved solids (residue at 180°C)	999	
Calcium (Ca)	52		Hardness as $CaCO_3$ (Ca, Mg)	310	
Magnesium (Mg)	41		Noncarbonate hardness as $CaCO_3$	140	
Sodium (Na)	130		Percent sodium	48	
Potassium (K)	7.0		Alkalinity as $CaCO_3$	170	
Bicarbonate (HCO_3)	210		Specific conductance (umhos/cm at 25°C)	1,260	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	89		Temperature (°C)	24.5	
Chloride (Cl)	240		Color (Pt-Co units)	0	
Fluoride (F)	.8		Turbidity (FTU)	1	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	--	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	--
Cadmium (Cd)	0	Selenium (Se)	--
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	71	Strontium, dissolved (Sr)	8,200
Iron (Fe)	50	Zinc (Zn)	40
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	--
DDD	.00	Mirex	--
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	--
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	17	Gross Beta, as strontium-90	7.0
Gross Beta, as cesium-137	8.1		

PUBLIC WATER SUPPLY: Graceville
COUNTY: Jackson COLLECTION DATE: 01-04-78
SAMPLING POINT (1) Treated water-305713085305390, tap on east side of U.S. Post Office building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	7.3		Dissolved solids (residue at 180°C)	124	
Calcium (Ca)	42		Hardness as CaCO3 (Ca, Mg)	110	
Magnesium (Mg)	.9		Noncarbonate hardness as CaCO3	18	
Sodium (Na)	2.2		Percent sodium	4	
Potassium (K)	.2		Alkalinity as CaCO3	90	
Bicarbonate (HCO3)	110		Specific conductance (umhos/cm at 25°C)	170	
Carbonate (CO3)	0		pH (units)	7.7	
Sulfate (SO4)	1.2		Temperature (°C)	17.0	
Chloride (Cl)	4.5		Color (Pt-Co units)	2	
Fluoride (F)	.0		Turbidity (NTU)	0	
Nitrate (NO3-N), total	1.3				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	28	Strontium, dissolved (Sr)	50
Iron (Fe)	0	Zinc (Zn)	100
Lead (Pb)	28		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<1.1	Gross Beta, as strontium-90	.4
Gross Beta, as cesium-137	.5		

PUBLIC WATER SUPPLY: Greenville
COUNTY: Madison COLLECTION DATE: 12-08-77
SAMPLING POINT (1) Treated water-302906083380390 tap in yard on north side of City Hall/fire station.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	8.4		Dissolved solids (residue at 180°C)	232	
Calcium (Ca)	62		Hardness as $CaCO_3$ (Ca, Mg)	190	
Magnesium (Mg)	9.4		Noncarbonate hardness as $CaCO_3$	13	
Sodium (Na)	3.6		Percent sodium	4	
Potassium (K)	.6		Alkalinity as $CaCO_3$	180	
Bicarbonate (HCO_3)	220		Specific conductance (umhos/cm at 25°C)	300	
Carbonate (CO_3)	0		pH (units)	7.6	
Sulfate (SO_4)	16		Temperature (°C)	17.0	
Chloride (Cl)	7.6		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.07				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	20
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	50
Iron (Fe)	260	Zinc (Zn)	40
Lead (Pb)	41		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 1.7	Gross Beta, as strontium-90	< .6
Gross Beta, as cesium-137	< .7		

PUBLIC WATER SUPPLY: Groveland
COUNTY: Lake COLLECTION DATE: 11-03-77
SAMPLING POINT (1) Treated water-283307081512701, tap outside small building near water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	141	
Calcium (Ca)	43		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	4.4		Noncarbonate hardness as $CaCO_3$	11	
Sodium (Na)	3.7		Percent sodium	6	
Potassium (K)	.7		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	140		Specific conductance (umhos/cm at 25°C)	281	
Carbonate (CO_3)	0		pH (units)	7.2	
Sulfate (SO_4)	1.9		Temperature (°C)	24.0	
Chloride (Cl)	8.5		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.15				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	2	Strontium, dissolved (Sr)	70
Iron (Fe)	50	Zinc (Zn)	0
Lead (Pb)	10		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	--
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Havana
COUNTY: Gadsden COLLECTION DATE: 11-22-77
SAMPLING POINT (1) Treated water-303739084245190, tap on east side near rear door of U.S. Post Office building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	26		Dissolved solids (residue at 180°C)	460	
Calcium (Ca)	81		Hardness as CaCO3 (Ca, Mg)	310	
Magnesium (Mg)	27		Noncarbonate hardness as CaCO3	190	
Sodium (Na)	22		Percent sodium	13	
Potassium (K)	2.0		Alkalinity as CaCO3	120	
Bicarbonate (HCO3)	150		Specific conductance (umhos/cm at 25°C)	690	
Carbonate (CO3)	0		pH (units)	7.8	
Sulfate (SO4)	180		Temperature (°C)	22.5	
Chloride (Cl)	31		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO3-N), total	.03				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	4	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	3	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	57	Strontium, dissolved (Sr)	880
Iron (Fe)	90	Zinc (Zn)	10
Lead (Pb)	23		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Hilliard
COUNTY: Nassau COLLECTION DATE: 12-14-77
SAMPLING POINT (1) Treated water-304122081550801, tap on front of building 110 at Pecan Street water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	44		Dissolved solids (residue at 180°C)	411	
Calcium (Ca)	65		Hardness as $CaCO_3$ (Ca, Mg)	290	
Magnesium (Mg)	32		Noncarbonate hardness as $CaCO_3$	140	
Sodium (Na)	18		Percent sodium	12	
Potassium (K)	2.2		Alkalinity as $CaCO_3$	160	
Bicarbonate (HCO_3)	190		Specific conductance (umhos/cm at 25°C)	655	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	120		Temperature (°C)	23.5	
Chloride (Cl)	32		Color (Pt-Co units)	0	
Fluoride (F)	.5		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.04				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	30	Silver (Ag)	1
Copper (Cu)	14	Strontium, dissolved (Sr)	510
Iron (Fe)	50	Zinc (Zn)	30
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 4.0	Gross Beta, as strontium-90	1.7
Gross Beta, as cesium-137	1.9		

PUBLIC WATER SUPPLY: Hobe Sound
COUNTY: Martin COLLECTION DATE: 11-30-77
SAMPLING POINT (1) Treated water-270306080073002, tap on South Jupiter Island near "S" curve in State Road 707.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	--		Dissolved solids (residue at 180°C)	--	
Calcium (Ca)	--		Hardness as $CaCO_3$ (Ca, Mg)	--	
Magnesium (Mg)	--		Noncarbonate hardness as $CaCO_3$	--	
Sodium (Na)	--		Percent sodium	--	
Potassium (K)	--		Alkalinity as $CaCO_3$	112	
Bicarbonate (HCO_3)	136		Specific conductance (umhos/cm at 25°C)	270	
Carbonate (CO_3)	--		pH (units)	7.5	
Sulfate (SO_4)	--		Temperature (°C)	23.5	
Chloride (Cl)	--		Color (Pt-Co units)	--	
Fluoride (F)	--		Turbidity (NTU)	--	
Nitrate (NO_3-N), total	.17				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	50
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	2	Selenium (Se)	--
Chromium (Cr)	< 10	Silver (Ag)	--
Copper (Cu)	11	Strontium, dissolved (Sr)	160
Iron (Fe)	190	Zinc (Zn)	--
Lead (Pb)	39		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 3.1	Gross Beta, as strontium-90	< .9
Gross Beta, as cesium-137	< 1.0		

PUBLIC WATER SUPPLY: Holiday Lake Estates
COUNTY: Pasco COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-281023082453109, tap on holding tank near pumphouse.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	10		Dissolved solids (residue at 180°C)	303	
Calcium (Ca)	76		Hardness as $CaCO_3$ (Ca, Mg)	220	
Magnesium (Mg)	6.4		Noncarbonate hardness as $CaCO_3$	77	
Sodium (Na)	23		Percent sodium	19	
Potassium (K)	1.2		Alkalinity as $CaCO_3$	140	
Bicarbonate (HCO_3)	170		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.3	
Sulfate (SO_4)	24		Temperature (°C)	--	
Chloride (Cl)	69		Color (Pt-Co units)	4	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.66				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	40
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	9	Strontium, dissolved (Sr)	150
Iron (Fe)	50	Zinc (Zn)	50
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 1.7	Gross Beta, as strontium-90	3.1
Gross Beta, as cesium-137	3.4		

PUBLIC WATER SUPPLY: Holly Hill
COUNTY: Volusia COLLECTION DATE: 11-02-77
SAMPLING POINT (1) Treated water-291444081022201, tap at water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	6.9		Dissolved solids (residue at 180°C)	400	
Calcium (Ca)	49		Hardness as $CaCO_3$ (Ca, Mg)	170	
Magnesium (Mg)	11		Noncarbonate hardness as $CaCO_3$	70	
Sodium (Na)	85		Percent sodium	52	
Potassium (K)	2.6		Alkalinity as $CaCO_3$	98	
Bicarbonate (HCO_3)	120		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	8.6	
Sulfate (SO_4)	20		Temperature (°C)	23.0	
Chloride (Cl)	160		Color (Pt-Co units)	12	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.04				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	5	Strontium, dissolved (Sr)	920
Iron (Fe)	130	Zinc (Zn)	830
Lead (Pb)	9		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Hudson Community Water Works
COUNTY: Pasco COLLECTION DATE: 12-19-77
SAMPLING POINT (1) Treated water-282144082414709, tap at elevated water tank.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	10		Dissolved solids (residue at 180°C)	315	
Calcium (Ca)	61		Hardness as $CaCO_3$ (Ca, Mg)	170	
Magnesium (Mg)	5.3		Noncarbonate hardness as $CaCO_3$	43	
Sodium (Na)	41		Percent sodium	34	
Potassium (K)	1.7		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.2	
Sulfate (SO_4)	14		Temperature (°C)	--	
Chloride (Cl)	81		Color (Pt-Co units)	3	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.27				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	7	Strontium, dissolved (Sr)	230
Iron (Fe)	10	Zinc (Zn)	20
Lead (Pb)	12		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Immokalee
COUNTY: Collier COLLECTION DATE: 11-29-77
SAMPLING POINT (1) Treated water-262436081254101, tap at Farmers Village, 2 miles south of Immokalee Airport on Florida route 29.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	31		Dissolved solids (residue at 180°C)	326	
Calcium (Ca)	73		Hardness as $CaCO_3$ (Ca, Mg)	250	
Magnesium (Mg)	17		Noncarbonate hardness as $CaCO_3$	1	
Sodium (Na)	18		Percent sodium	13	
Potassium (K)	2.4		Alkalinity as $CaCO_3$	249	
Bicarbonate (HCO_3)	304		Specific conductance (umhos/cm at 25°C)	550	
Carbonate (CO_3)	0		pH (units)	7.5	
Sulfate (SO_4)	.1		Temperature (°C)	24.5	
Chloride (Cl)	24		Color (Pt-Co units)	3	
Fluoride (F)	.3		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	8	Strontium, dissolved (Sr)	190
Iron (Fe)	150	Zinc (Zn)	10
Lead (Pb)	17		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Imperial Lakes
COUNTY: Polk COLLECTION DATE: 12-15-77
SAMPLING POINT (1) Treated water-275605081583909, tap on holding tank near pumphouse.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	20		Dissolved solids (residue at 180°C)	206	
Calcium (Ca)	44		Hardness as $CaCO_3$ (Ca, Mg)	160	
Magnesium (Mg)	12		Noncarbonate hardness as $CaCO_3$	20	
Sodium (Na)	8.2		Percent sodium	10	
Potassium (K)	1.0		Alkalinity as $CaCO_3$	140	
Bicarbonate (HCO_3)	170		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	8.5	
Sulfate (SO_4)	3.7		Temperature (°C)	--	
Chloride (Cl)	21		Color (Pt-Co units)	1	
Fluoride (F)	.3		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.02				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	6	Strontium, dissolved (Sr)	290
Iron (Fe)	50	Zinc (Zn)	10
Lead (Pb)	8		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.0	Gross Beta, as strontium-90	< 1.1
Gross Beta, as cesium-137	2.5		

PUBLIC WATER SUPPLY: Indian Hills
COUNTY: Seminole COLLECTION DATE: 11-14-77
SAMPLING POINT (1) Treated water-283823081195001, tap outside (south side) on storage tank near aeration tank at water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.2		Dissolved solids (residue at 180°C)	136	
Calcium (Ca)	29		Hardness as $CaCO_3$ (Ca, Mg)	100	
Magnesium (Mg)	7.5		Noncarbonate hardness as $CaCO_3$	0	
Sodium (Na)	5.3		Percent sodium	10	
Potassium (K)	1.0		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	130		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.1	
Sulfate (SO_4)	3.5		Temperature (°C)	23.0	
Chloride (Cl)	11		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	2	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	1
Copper (Cu)	4	Strontium, dissolved (Sr)	120
Iron (Fe)	260	Zinc (Zn)	0
Lead (Pb)	8		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<1.4	Gross Beta, as strontium-90	<.8
Gross Beta, as cesium-137	< .9		

PUBLIC WATER SUPPLY: Indiantown
COUNTY: Martin COLLECTION DATE: 12-06-77
SAMPLING POINT (1) Treated water-270109080281002, tap inside water treatment plant (West Brook addition).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	17		Dissolved solids (residue at 180°C)	376	
Calcium (Ca)	110		Hardness as $CaCO_3$ (Ca, Mg)	290	
Magnesium (Mg)	3,0		Noncarbonate hardness as $CaCO_3$	57	
Sodium (Na)	14		Percent sodium	10	
Potassium (K)	1.8		Alkalinity as $CaCO_3$	233	
Bicarbonate (HCO_3)	284		Specific conductance (umhos/cm at 25°C)	550	
Carbonate (CO_3)	0		pH (units)	8.0	
Sulfate (SO_4)	3.0		Temperature (°C)	24.5	
Chloride (Cl)	37		Color (Pt-Co units)	6	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.04				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	7	Strontium, dissolved (Sr)	680
Iron (Fe)	50	Zinc (Zn)	40
Lead (Pb)	18		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.04
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Interlachen
COUNTY: Putnam COLLECTION DATE: 11-03-77
SAMPLING POINT (1) Treated water-293720081534501, tap at water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.8		Dissolved solids (residue at 180°C)	102	
Calcium (Ca)	24		Hardness as $CaCO_3$ (Ca, Mg)	86	
Magnesium (Mg)	6.3		Noncarbonate hardness as $CaCO_3$	4	
Sodium (Na)	3.4		Percent sodium	8	
Potassium (K)	.5		Alkalinity as $CaCO_3$	82	
Bicarbonate (HCO_3)	100		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.7	
Sulfate (SO_4)	.8		Temperature (°C)	23.0	
Chloride (Cl)	5.2		Color (Pt-Co units)	0	
Fluoride (F)	.0		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.08				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	1
Copper (Cu)	2	Strontium, dissolved (Sr)	140
Iron (Fe)	20	Zinc (Zn)	10
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Jacksonville
COUNTY: Duval COLLECTION DATE: 12-13-77
SAMPLING POINT (1) Treated water-301922081380301, fire hydrant north of Hart Bridge at Commodore Point.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as $CaCO_3$ (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as $CaCO_3$		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as $CaCO_3$		
Bicarbonate (HCO_3)			Specific conductance (umhos/cm at 25°C)	580	
Carbonate (CO_3)			pH (units)	7.1	
Sulfate (SO_4)			Temperature (°C)	19.5	
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO_3-N), total					
Nitrite (NO_2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Cadmium (Cd)	Selenium (Se)
Chromium (Cr)	Silver (Ag)
Copper (Cu)	Strontium, dissolved (Sr)
Iron (Fe)	Zinc (Zn)
Lead (Pb)	

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	Lindane
Chlordane	Methoxychlor
DDD	Mirex
DDE	PCB
DDT	PCN
Dieldrin	Silvex
Endrin	Toxaphene
Heptachlor	2,4-D
Heptachlor epoxide	2,4,5-T

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<4.0	Gross Beta, as strontium-90	2.7
Gross Beta, as cesium-137	3.1		

PUBLIC WATER SUPPLY: Jacksonville Beach
COUNTY: Duval COLLECTION DATE: 12-12-77
SAMPLING POINT (1) Treated water-301713081233401, tap at side of fire station opposite water treatment plant on 1st Avenue.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as CaCO3 (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as CaCO3		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as CaCO3		
Bicarbonate (HCO3)			Specific conductance (umhos/cm at 25°C)	750	
Carbonate (CO3)			pH (units)	7.2	
Sulfate (SO4)			Temperature (°C)	22.0	
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO3-N), total					
Nitrite (NO2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Cadmium (Cd)	Selenium (Se)
Chromium (Cr)	Silver (Ag)
Copper (Cu)	Strontium, dissolved (Sr)
Iron (Fe)	Zinc (Zn)
Lead (Pb)	

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	Lindane
Chlordane	Methoxychlor
DDD	Mirex
DDE	PCB
DDT	PCN
Dieldrin	Silvex
Endrin	Toxaphene
Heptachlor	2,4-D
Heptachlor epoxide	2,4,5-T

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 5.5	Gross Beta, as strontium-90	3.3
Gross Beta, as cesium-137	3.8		

PUBLIC WATER SUPPLY: Jacksonville Suburban Utility
COUNTY: Duval COLLECTION DATE: 12-13-77
SAMPLING POINT (1) Treated water-302054081350902, tap on line coming from pumphouse at corner of Pine Summit Drive East and Columbine Drive.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	26		Dissolved solids (residue at 180°C)	361	
Calcium (Ca)	66		Hardness as $CaCO_3$ (Ca, Mg)	270	
Magnesium (Mg)	25		Noncarbonate hardness as $CaCO_3$	140	
Sodium (Na)	15		Percent sodium	11	
Potassium (K)	2.0		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	605	
Carbonate (CO_3)	0		pH (units)	--	
Sulfate (SO_4)	100		Temperature (°C)	27.5	
Chloride (Cl)	38		Color (Pt-Co units)	0	
Fluoride (F)	.6		Turbidity (NTU)	2	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	1
Copper (Cu)	20	Strontium, dissolved (Sr)	1600
Iron (Fe)	30	Zinc (Zn)	10
Lead (Pb)	9		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<3.1	Gross Beta, as strontium-90	1.9
Gross Beta, as cesium-137	2.2		

PUBLIC WATER SUPPLY: Jan Phyl Village
COUNTY: Polk COLLECTION DATE: 12-15-77
SAMPLING POINT (1) Treated water-280041081463209, tap on holding tank outside pumphouse.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	19		Dissolved solids (residue at 180°C)	186	
Calcium (Ca)	43		Hardness as $CaCO_3$ (Ca, Mg)	140	
Magnesium (Mg)	8.0		Noncarbonate hardness as $CaCO_3$	9	
Sodium (Na)	7.6		Percent sodium	10	
Potassium (K)	1.6		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	--	
Sulfate (SO_4)	1.8		Temperature (°C)	--	
Chloride (Cl)	17		Color (Pt-Co units)	1	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.02				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	17	Strontium, dissolved (Sr)	80
Iron (Fe)	90	Zinc (Zn)	0
Lead (Pb)	8		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	4.3	Gross Beta, as strontium-90	2.3
Gross Beta, as cesium-137	2.5		

PUBLIC WATER SUPPLY: Jennings
COUNTY: Hamilton COLLECTION DATE: 12-08-77
SAMPLING POINT (1) Treated water-303611083054890, tap on southeast side of U.S. Post Office building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	31		Dissolved solids (residue at 180°C)	180	
Calcium (Ca)	36		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	10		Noncarbonate hardness as $CaCO_3$	8	
Sodium (Na)	3.4		Percent sodium	5	
Potassium (K)	.9		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	225	
Carbonate (CO_3)	0		pH (units)	7.8	
Sulfate (SO_4)	8.2		Temperature (°C)	15.0	
Chloride (Cl)	6.3		Color (Pt-Co units)	0	
Fluoride (F)	.3		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	30
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	10	Strontium, dissolved (Sr)	60
Iron (Fe)	20	Zinc (Zn)	390
Lead (Pb)	17		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	5.6	Gross Beta, as strontium-90	.9
Gross Beta, as cesium-137	1.0		

PUBLIC WATER SUPPLY: Keaton Beach
COUNTY: Taylor COLLECTION DATE: 11-28-77
SAMPLING POINT (1) Treated water-295020083350090, tap outside on south side of gasoline station (combined with grocery store and Keaton Beach Marina).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	4.4		Dissolved solids (residue at 180°C)	125	
Calcium (Ca)	33		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	12		Noncarbonate hardness as $CaCO_3$	9	
Sodium (Na)	2.8		Percent sodium	4	
Potassium (K)	.4		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	262	
Carbonate (CO_3)	0		pH (units)	7.6	
Sulfate (SO_4)	.7		Temperature (°C)	19.0	
Chloride (Cl)	3.4		Color (Pt-Co units)	6	
Fluoride (F)	.1		Turbidity (NTU)	3	
Nitrate (NO_3-N), total	.04				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	18	Strontium, dissolved (Sr)	40
Iron (Fe)	260	Zinc (Zn)	10
Lead (Pb)	14		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<1.6	Gross Beta, as strontium-90	<.6
Gross Beta, as cesium-137	< .7		

PUBLIC WATER SUPPLY: Lake Alfred
COUNTY: Polk COLLECTION DATE: 12-14-77
SAMPLING POINT (1) Treated water-280537081434609, tap inside water treatment plant (well number 2) on south side.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	14		Dissolved solids (residue at 180°C)	188	
Calcium (Ca)	40		Hardness as $CaCO_3$ (Ca, Mg)	150	
Magnesium (Mg)	11		Noncarbonate hardness as $CaCO_3$	30	
Sodium (Na)	8.6		Percent sodium	11	
Potassium (K)	2.2		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	140		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.2	
Sulfate (SO_4)	16		Temperature (°C)	--	
Chloride (Cl)	18		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	2.4				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	2
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	5	Strontium, dissolved (Sr)	70
Iron (Fe)	30	Zinc (Zn)	20
Lead (Pb)	10		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	5.2	Gross Beta, as strontium-90	3.6
Gross Beta, as cesium-137	3.9		

PUBLIC WATER SUPPLY: Lake City
COUNTY: Columbia COLLECTION DATE: 12-09-77
SAMPLING POINT (1) Treated water-301108082372490, tap on front corner of gasoline station at corner of Seventh and Duval Streets.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as CaCO3 (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as CaCO3		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as CaCO3		
Bicarbonate (HCO3)			Specific conductance (umhos/cm at 25°C)	240	
Carbonate (CO3)			pH (units)	7.9	
Sulfate (SO4)			Temperature (°C)	16.0	
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO3-N), total					
Nitrite (NO2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Cadmium (Cd)	Selenium (Se)
Chromium (Cr)	Silver (Ag)
Copper (Cu)	Strontium, dissolved (Sr)
Iron (Fe)	Zinc (Zn)
Lead (Pb)	

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	Lindane
Chlordane	Methoxychlor
DDD	Mirex
DDE	PCB
DDT	PCN
Dieldrin	Silvex
Endrin	Toxaphene
Heptachlor	2,4-D
Heptachlor epoxide	2,4,5-T

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	3.4	Gross Beta, as strontium-90	1.0
Gross Beta, as cesium-137	1.2		

PUBLIC WATER SUPPLY: Lee County Water System
COUNTY: Lee COLLECTION DATE: 02-03-78
SAMPLING POINT (1) Treated water-263824081513704, tap at Jamaica Bay West mobile home community (Ft. Meyers, surface water-ground water mixed).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	5.4	6.1	Dissolved solids (residue at 180°C)	356	407
Calcium (Ca)	62	69	Hardness as $CaCO_3$ (Ca, Mg)	170	220
Magnesium (Mg)	3.5	12	Noncarbonate hardness as $CaCO_3$		83
Sodium (Na)	42	43	Percent sodium	34	29
Potassium (K)	4.9	5.1	Alkalinity as $CaCO_3$		140
Bicarbonate (HCO_3)		170	Specific conductance (umhos/cm at 25°C)	--	--
Carbonate (CO_3)	0	0	pH (units)	9.3	7.7
Sulfate (SO_4)	48	46	Temperature (°C)	18.5	18.5
Chloride (Cl)	86	77	Color (Pt-Co units)	20	190
Fluoride (F)	.2	.2	Turbidity (NTU)	--	--
Nitrate (NO_3-N), total	--	--			
Nitrite (NO_2-N), total	--	--			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	1	Manganese (Mn)	0	0
Barium (Ba)	0	0	Mercury (Hg)	< .5	<.5
Cadmium (Cd)	1	1	Selenium (Se)	0	0
Chromium (Cr)	30	20	Silver (Ag)	0	0
Copper (Cu)	6	5	Strontium, dissolved (Sr)	220	830
Iron (Fe)	50	200	Zinc (Zn)	20	20
Lead (Pb)	3	9			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.05
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	5.6	< 4.2	Gross Beta, as strontium-90	7.4	8.2
Gross Beta, as cesium-137	8.5	9.2			

PUBLIC WATER SUPPLY: Longwood
COUNTY: Seminole COLLECTION DATE: 11-02-77
SAMPLING POINT (1) Treated water-284202081204401, tap inside power shed for water treatment plant near city buildings.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	139	
Calcium (Ca)	33		Hardness as $CaCO_3$ (Ca, Mg)	120	
Magnesium (Mg)	9.5		Noncarbonate hardness as $CaCO_3$	7	
Sodium (Na)	7.4		Percent sodium	12	
Potassium (K)	1.1		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	140		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	.8		Temperature (°C)	24.0	
Chloride (Cl)	9.8		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	150
Iron (Fe)	40	Zinc (Zn)	40
Lead (Pb)	1		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Lynn Haven
COUNTY: Bay COLLECTION DATE: 12-22-77
SAMPLING POINT (1) Treated water-301429085385590, tap near City Commission Meeting Room door on east side of fire department building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	12		Dissolved solids (residue at 180°C)	225	
Calcium (Ca)	28		Hardness as $CaCO_3$ (Ca, Mg)	150	
Magnesium (Mg)	18		Noncarbonate hardness as $CaCO_3$	29	
Sodium (Na)	30		Percent sodium	31	
Potassium (K)	2.4		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	360	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	18		Temperature (°C)	17.0	
Chloride (Cl)	52		Color (Pt-Co units)	0	
Fluoride (F)	.4		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.04				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	5	Strontium, dissolved (Sr)	6700
Iron (Fe)	70	Zinc (Zn)	50
Lead (Pb)	9		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Manalapan
COUNTY: Palm Beach COLLECTION DATE: 12-06-77
SAMPLING POINT (1) Treated water-263422080031102, tap at south end of island 1/4 mile north of Bayton Inlet at west edge of road near fire hydrant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.0		Dissolved solids (residue at 180°C)	298	
Calcium (Ca)	87		Hardness as $CaCO_3$ (Ca, Mg)	230	
Magnesium (Mg)	2.0		Noncarbonate hardness as $CaCO_3$	20	
Sodium (Na)	20		Percent sodium	16	
Potassium (K)	1.0		Alkalinity as $CaCO_3$	210	
Bicarbonate (HCO_3)	256		Specific conductance (umhos/cm at 25°C)	480	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	7.1		Temperature (°C)	25.0	
Chloride (Cl)	41		Color (Pt-Co units)	7	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	1
Copper (Cu)	142	Strontium, dissolved (Sr)	700
Iron (Fe)	470	Zinc (Zn)	10
Lead (Pb)	22		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.9	Gross Beta, as strontium-90	.9
Gross Beta, as cesium-137	1.1		

PUBLIC WATER SUPPLY: Manatee County Water System
COUNTY: Manatee COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-272935082212009, water treatment plant, laboratory tap.
(2) Raw water-272935082212000, Lake Manatee intake southeast near Bradenton.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	5.4	5.8	Dissolved solids (residue at 180°C)	141	96
Calcium (Ca)	29	7.7	Hardness as $CaCO_3$ (Ca, Mg)	93	39
Magnesium (Mg)	4.8	4.6	Noncarbonate hardness as $CaCO_3$	68	17
Sodium (Na)	6.1	5.7	Percent sodium	12	23
Potassium (K)	2.9	2.9	Alkalinity as $CaCO_3$	25	22
Bicarbonate (HCO_3)	31	27	Specific conductance (umhos/cm at 25°C)	--	--
Carbonate (CO_3)	0	0	pH (units)	9.4	6.6
Sulfate (SO_4)	57	18	Temperature (°C)	--	--
Chloride (Cl)	16	11	Color (Pt-Co units)	0	120
Fluoride (F)	.1	.2	Turbidity (NTU)	1	1
Nitrate (NO_3-N), total	.17	.15			
Nitrite (NO_2-N), total	.00	.01			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	0	Manganese (Mn)	10	10
Barium (Ba)	--	--	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	0	0	Selenium (Se)	0	0
Chromium (Cr)	40	10	Silver (Ag)	0	0
Copper (Cu)	3	8	Strontium, dissolved (Sr)	700	600
Iron (Fe)	20	330	Zinc (Zn)	100	30
Lead (Pb)	0	0			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	1.9	<1.2	Gross Beta, as strontium-90	4.8	5.2
Gross Beta, as cesium-137	5.4	6.0			

PUBLIC WATER SUPPLY: Marco Island COLLECTION DATE: 11-29-77 (treated)
COUNTY: Collier 11-21-77 (raw)
SAMPLING POINT (1) Treated water-255442081424401, tap in laboratory of water treatment plant.
(2) Raw water-260351081414700, tap in mainland pipeline in yard of water treatment plant.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	6.2	10	Dissolved solids (residue at 180°C)	758	192
Calcium (Ca)	57	24	Hardness as $CaCO_3$ (Ca, Mg)	230	74
Magnesium (Mg)	21	3.2	Noncarbonate hardness as $CaCO_3$	150	49
Sodium (Na)	170	25	Percent sodium	61	41
Potassium (K)	4.7	3.0	Alkalinity as $CaCO_3$	76	25
Bicarbonate (HCO_3)	28	30	Specific conductance (umhos/cm at 25°C)	1360	1675
Carbonate (CO_3)	32	0	pH (units)	9.2	7.5
Sulfate (SO_4)	83	36	Temperature (°C)	25.5	24.0
Chloride (Cl)	330	50	Color (Pt-Co units)	7	6
Fluoride (F)	.1	.6	Turbidity (NTU)	1	1
Nitrate (NO_3-N), total	.16	.03			
Nitrite (NO_2-N), total	.01	.01			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	1	Manganese (Mn)	10	0
Barium (Ba)	--	--	Mercury (Hg)	< .5	<.5
Cadmium (Cd)	1	0	Selenium (Se)	0	0
Chromium (Cr)	30	10	Silver (Ag)	0	0
Copper (Cu)	6	8	Strontium, dissolved (Sr)	380	340
Iron (Fe)	700	40	Zinc (Zn)	70	10
Lead (Pb)	30	13			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	--	Lindane	.00	--
Chlordane	.0	--	Methoxychlor	.00	--
DDD	.00	--	Mirex	.00	--
DDE	.00	--	PCB	.0	--
DDT	.00	--	PCN	.00	--
Dieldrin	.00	--	Silvex	.00	--
Endrin	.00	--	Toxaphene	0	--
Heptachlor	.00	--	2,4-D	.00	--
Heptachlor epoxide	.00	--	2,4,5-T	.00	--

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	19	< 2.0	Gross Beta, as strontium-90	5.9	2.0
Gross Beta, as cesium-137	6.6	2.5			

PUBLIC WATER SUPPLY: Melbourne
COUNTY: Brevard COLLECTION DATE: 11-12-77
SAMPLING POINT (1) Treated water-02232100, tap at city of Melbourne water treatment plant.
(2) Raw water-02232100, Lake Washington.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	8.3	9.4	Dissolved solids (residue at 180°C)	426	327
Calcium (Ca)	59	34	Hardness as $CaCO_3$ (Ca, Mg)	180	120
Magnesium (Mg)	8.3	8.2	Noncarbonate hardness as $CaCO_3$	140	66
Sodium (Na)	42	40	Percent sodium	33	42
Potassium (K)	3.2	2.6	Alkalinity as $CaCO_3$	41	53
Bicarbonate (HCO_3)	50	64	Specific conductance (umhos/cm at 25°C)	--	--
Carbonate (CO_3)	0	0	pH (units)	7.2	7.4
Sulfate (SO_4)	77	22	Temperature (°C)	25.0	24.5
Chloride (Cl)	110	95	Color (Pt-Co units)	4	240
Fluoride (F)	.5	.1	Turbidity (NTU)	2	3
Nitrate (NO_3-N), total	.24	.20			
Nitrite (NO_2-N), total	.00	.02			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	0	Manganese (Mn)	10	10
Barium (Ba)	0	100	Mercury (Hg)	< .5	< .5
Cadmium (Cd)	1	0	Selenium (Se)	0	0
Chromium (Cr)	10	< 10	Silver (Ag)	0	0
Copper (Cu)	8	3	Strontium, dissolved (Sr)	1200	130
Iron (Fe)	130	380	Zinc (Zn)	10	20
Lead (Pb)	1	7			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.09	.04
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	4.4	<3.2	Gross Beta, as strontium-90	6.6	6.5
Gross Beta, as cesium-137	7.5	7.2			

PUBLIC WATER SUPPLY: Mexico Beach
COUNTY: Bay COLLECTION DATE: 12-23-77
SAMPLING POINT (1) Treated water-295645085243990, tap on front of pumphouse near water tower.
(2) Raw water.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	12		Dissolved solids (residue at 180°C)	610	
Calcium (Ca)	24		Hardness as $CaCO_3$ (Ca, Mg)	220	
Magnesium (Mg)	38		Noncarbonate hardness as $CaCO_3$	2	
Sodium (Na)	140		Percent sodium	57	
Potassium (K)	11		Alkalinity as $CaCO_3$	220	
Bicarbonate (HCO_3)	270		Specific conductance (umhos/cm at 25°C)	910	
Carbonate (CO_3)	0		pH (units)	7.8	
Sulfate (SO_4)	160		Temperature (°C)	10.0	
Chloride (Cl)	98		Color (Pt-Co units)	0	
Fluoride (F)	3.3		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	3	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	6000
Iron (Fe)	50	Zinc (Zn)	650
Lead (Pb)	7		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Mims
COUNTY: Brevard COLLECTION DATE: 11-02-77
SAMPLING POINT (1) Treated water-283931080514501, tap inside office of water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	7.3		Dissolved solids (residue at 180°C)	395	
Calcium (Ca)	93		Hardness as CaCO3 (Ca, Mg)	260	
Magnesium (Mg)	6.2		Noncarbonate hardness as CaCO3	53	
Sodium (Na)	29		Percent sodium	20	
Potassium (K)	1.4		Alkalinity as CaCO3	210	
Bicarbonate (HCO3)	250		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	7.2	
Sulfate (SO4)	51		Temperature (°C)	25.0	
Chloride (Cl)	54		Color (Pt-Co units)	0	
Fluoride (F)	.0		Turb idi y (NTU)	1	
Nitrate (NO3-N), total	.23				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	5	Strontium, dissolved (Sr)	530
Iron (Fe)	30	Zinc (Zn)	10
Lead (Pb)	1		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Mt. Dora
COUNTY: Lake COLLECTION DATE: 11-02-77
SAMPLING POINT (1) Treated water-284856081383002, tap outside water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.6		Dissolved solids (residue at 180°C)	137	
Calcium (Ca)	34		Hardness as $CaCO_3$ (Ca, Mg)	120	
Magnesium (Mg)	9.0		Noncarbonate hardness as $CaCO_3$	15	
Sodium (Na)	7.0		Percent sodium	11	
Potassium (K)	2.6		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	130		Specific conductance (umhos/cm at 25°C)	271	
Carbonate (CO_3)	0		pH (units)	7.5	
Sulfate (SO_4)	13		Temperature (°C)	23.0	
Chloride (Cl)	13		Color (Pt-Co units)	12	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.06				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	50
Iron (Fe)	40	Zinc (Zn)	130
Lead (Pb)	8		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	--
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Mulberry
COUNTY: Polk COLLECTION DATE: 12-20-77
SAMPLING POINT (1) Treated water-275338081581909, tap outside water treatment plant on north side.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	20		Dissolved solids (residue at 180°C)	187	
Calcium (Ca)	44		Hardness as $CaCO_3$ (Ca, Mg)	160	
Magnesium (Mg)	13		Noncarbonate hardness as $CaCO_3$	16	
Sodium (Na)	6.6		Percent sodium	8	
Potassium (K)	.9		Alkalinity as $CaCO_3$	150	
Bicarbonate (HCO_3)	180		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	7.8		Temperature (°C)	--	
Chloride (Cl)	8.8		Color (Pt-Co units)	2	
Fluoride (F)	.3		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	2
Copper (Cu)	4	Strontium, dissolved (Sr)	510
Iron (Fe)	30	Zinc (Zn)	20
Lead (Pb)	15		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	1.6	Gross Beta, as strontium-90	.7
Gross Beta, as cesium-137	.8		

PUBLIC WATER SUPPLY: Navarre Beach
COUNTY: Santa Rosa COLLECTION DATE: 01-05-78
SAMPLING POINT (1) Treated water-302244086525290, tap on pier on west side of restaurant and tackle shop.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	12		Dissolved solids (residue at 180°C)	491	
Calcium (Ca)	3.1		Hardness as $CaCO_3$ (Ca, Mg)	18	
Magnesium (Mg)	2.1		Noncarbonate hardness as $CaCO_3$	0	
Sodium (Na)	190		Percent sodium	95	
Potassium (K)	6.0		Alkalinity as $CaCO_3$	210	
Bicarbonate (HCO_3)	260		Specific conductance (umhos/cm at 25°C)	745	
Carbonate (CO_3)	0		pH (units)	7.5	
Sulfate (SO_4)	13		Temperature (°C)	11.0	
Chloride (Cl)	150		Color (Pt-Co units)	6	
Fluoride (F)	1.0		Turbidity (NTU)	4	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.02				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	15	Strontium, dissolved (Sr)	1200
Iron (Fe)	220	Zinc (Zn)	390
Lead (Pb)	52		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Neptune Beach
COUNTY: Duval COLLECTION DATE: 12-13-77
SAMPLING POINT (1) Treated water-301858081250401, fire hydrant on Kings Road, 0.1 miles north of Forest Road.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as $CaCO_3$ (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as $CaCO_3$		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as $CaCO_3$		
Bicarbonate (HCO_3)			Specific conductance (umhos/cm at 25°C)	630	
Carbonate (CO_3)			pH (units)	7.1	
Sulfate (SO_4)			Temperature (°C)	22.5	
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO_3-N), total					
Nitrite (NO_2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Cadmium (Cd)	Selenium (Se)
Chromium (Cr)	Silver (Ag)
Copper (Cu)	Strontium, dissolved (Sr)
Iron (Fe)	Zinc (Zn)
Lead (Pb)	

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	Lindane
Chlordane	Methoxychlor
DDD	Mirex
DDE	PCB
DDT	PCN
Dieldrin	Silvex
Endrin	Toxaphene
Heptachlor	2,4-D
Heptachlor epoxide	2,4,5-T

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<4.0	Gross Beta, as strontium-90	1.6
Gross Beta, as cesium-137	1.8		

PUBLIC WATER SUPPLY: New Smyrna Beach
COUNTY: Volusia COLLECTION DATE: 12-05-77
SAMPLING POINT (1) Treated water-285953080575902, tap in back outside of water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	19		Dissolved solids (residue at 180°C)	217	
Calcium (Ca)	25		Hardness as $CaCO_3$ (Ca, Mg)	94	
Magnesium (Mg)	7.6		Noncarbonate hardness as $CaCO_3$	38	
Sodium (Na)	35		Percent sodium	44	
Potassium (K)	1.7		Alkalinity as $CaCO_3$	56	
Bicarbonate (HCO_3)	68		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.2	
Sulfate (SO_4)	1.5		Temperature (°C)	21.5	
Chloride (Cl)	76		Color (Pt-Co units)	7	
Fluoride (F)	.1		Turbidity (NTU)	--	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	2	Strontium, dissolved (Sr)	190
Iron (Fe)	20	Zinc (Zn)	0
Lead (Pb)	7		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.2	Gross Beta, as strontium-90	2.0
Gross Beta, as cesium-137	2.3		

PUBLIC WATER SUPPLY: North Miami
COUNTY: Dade COLLECTION DATE: 11-30-77
SAMPLING POINT (1) Treated water-255352080084401, tap at house, 13195 Biscayne Drive.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	924	
Calcium (Ca)	120		Hardness as $CaCO_3$ (Ca, Mg)	400	
Magnesium (Mg)	24		Noncarbonate hardness as $CaCO_3$	150	
Sodium (Na)	170		Percent sodium	48	
Potassium (K)	4.7		Alkalinity as $CaCO_3$	250	
Bicarbonate (HCO_3)	300		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	9.2	
Sulfate (SO_4)	84		Temperature (°C)	26.0	
Chloride (Cl)	310		Color (Pt-Co units)	27	
Fluoride (F)	.1		Turbidity (NTU)	2	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	20
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	720
Iron (Fe)	190	Zinc (Zn)	10
Lead (Pb)	21		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: North Port Charlotte
COUNTY: Sarasota COLLECTION DATE: 12-22-77
SAMPLING POINT (1) Treated water-270242082142409, water treatment plant laboratory tap.

(2) Raw water-270242082142401, Myakka-Hatchee River (Big Slough).

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	5.0	6.4	Dissolved solids (residue at 180°C)	361	301
Calcium (Ca)	43	44	Hardness as $CaCO_3$ (Ca, Mg)	160	160
Magnesium (Mg)	12	13	Noncarbonate hardness as $CaCO_3$	91	100
Sodium (Na)	58	20	Percent sodium	44	21
Potassium (K)	3.1	2.9	Alkalinity as $CaCO_3$	67	62
Bicarbonate (HCO_3)	82	76	Specific conductance (umhos/cm at 25°C)	--	--
Carbonate (CO_3)	0	0	pH (units)	7.2	6.5
Sulfate (SO_4)	120	80	Temperature (°C)	--	--
Chloride (Cl)	62	38	Color (Pt-Co units)	6	200
Fluoride (F)	.2	.3	Turbidity (NTU)	1	1
Nitrate (NO_3-N), total	.09	.07			
Nitrite (NO_2-N), total	.00	.02			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	2	Manganese (Mn)	10	20
Barium (Ba)	--	--	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	1	0	Selenium (Se)	0	0
Chromium (Cr)	<10	<10	Silver (Ag)	0	0
Copper (Cu)	4	3	Strontium, dissolved (Sr)	850	820
Iron (Fe)	50	1000	Zinc (Zn)	10	10
Lead (Pb)	3	0			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.16	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	5.7	< 3.2	Gross Beta, as strontium-90	6.7	7.8
Gross Beta, as cesium-137	7.7	8.9			

PUBLIC WATER SUPPLY: North Port St. Lucie
COUNTY: St. Lucie COLLECTION DATE: 11-30-77
SAMPLING POINT (1) Treated water-271828080203702, water treatment plant number 2, tap at City Hall.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	23		Dissolved solids (residue at 180°C)	356	
Calcium (Ca)	47		Hardness as $CaCO_3$ (Ca, Mg)	140	
Magnesium (Mg)	5.2		Noncarbonate hardness as $CaCO_3$	0	
Sodium (Na)	64		Percent sodium	49	
Potassium (K)	3.1		Alkalinity as $CaCO_3$	150	
Bicarbonate (HCO_3)	184		Specific conductance (umhos/cm at 25°C)	585	
Carbonate (CO_3)	0		pH (units)	7.9	
Sulfate (SO_4)	6.0		Temperature (°C)	25.5	
Chloride (Cl)	96		Color (Pt-Co units)	18	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	1
Copper (Cu)	8	Strontium, dissolved (Sr)	450
Iron (Fe)	110	Zinc (Zn)	40
Lead (Pb)	23		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.02
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.02
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<3.1	Gross Beta, as strontium-90	2.3
Gross Beta, as cesium-137	2.7		

PUBLIC WATER SUPPLY: Okeechobee
COUNTY: Okeechobee COLLECTION DATE: 11-10-77
SAMPLING POINT (1) Treated water-02276400, tap inside fence on high school grounds 1 mile north of Okeechobee.
(2) Raw water-02276400, Lake Okeechobee intake at old water treatment plant.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11	5.8	Dissolved solids (residue at 180°C)	417	405
Calcium (Ca)	42	35	Hardness as $CaCO_3$ (Ca, Mg)	180	130
Magnesium (Mg)	18	9.4	Noncarbonate hardness as $CaCO_3$	57	100
Sodium (Na)	64	66	Percent sodium	43	52
Potassium (K)	5.0	5.1	Alkalinity as $CaCO_3$	120	24
Bicarbonate (HCO_3)	150	29	Specific conductance (umhos/cm at 25°C)	--	--
Carbonate (CO_3)	0	0	pH (units)	8.0	9.5
Sulfate (SO_4)	63	90	Temperature (°C)	25.0	24.5
Chloride (Cl)	100	120	Color (Pt-Co units)	22	6
Fluoride (F)	.3	.2	Turbidity (NTU)	4	1
Nitrate (NO_3-N), total	.02	.05			
Nitrite (NO_2-N), total	.01	.00			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	2	Manganese (Mn)	10	0
Barium (Ba)	0	0	Mercury (Hg)	< .5	< .5
Cadmium (Cd)	0	1	Selenium (Se)	0	0
Chromium (Cr)	< 10	< 10	Silver (Ag)	0	0
Copper (Cu)	1	6	Strontium, dissolved (Sr)	1200	800
Iron (Fe)	100	160	Zinc (Zn)	0	10
Lead (Pb)	0	2			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<3.1	<3.6	Gross Beta, as strontium-90	7.2	8.6
Gross Beta, as cesium-137	8.1	9.6			

PUBLIC WATER SUPPLY: Orange Park
COUNTY: Clay COLLECTION DATE: 12-14-77
SAMPLING POINT (1) Treated water-301059081423901, tap 20 feet away from cylindrical holding rank at Ash Street water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	16		Dissolved solids (residue at 180°C)	213	
Calcium (Ca)	34		Hardness as $CaCO_3$ (Ca, Mg)	170	
Magnesium (Mg)	20		Noncarbonate hardness as $CaCO_3$	70	
Sodium (Na)	6.8		Percent sodium	8	
Potassium (K)	2.5		Alkalinity as $CaCO_3$	100	
Bicarbonate (HCO_3)	120		Specific conductance (umhos/cm at 25°C)	380	
Carbonate (CO_3)	1		pH (units)	--	
Sulfate (SO_4)	71		Temperature (°C)	23.5	
Chloride (Cl)	9.1		Color (Pt-Co units)	0	
Fluoride (F)	.6		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	1
Copper (Cu)	13	Strontium, dissolved (Sr)	2900
Iron (Fe)	30	Zinc (Zn)	10
Lead (Pb)	5		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.1	Gross Beta, as strontium-90	2.4
Gross Beta, as cesium-137	2.7		

PUBLIC WATER SUPPLY: Pace
COUNTY: Santa Rosa COLLECTION DATE: 01-05-78
SAMPLING POINT (1) Treated water-303630087084090, tap at west end of Spruce Street baseball diamond near shopping center.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	7.0		Dissolved solids (residue at 180°C)	42	
Calcium (Ca)	7.6		Hardness as $CaCO_3$ (Ca, Mg)	21	
Magnesium (Mg)	.5		Noncarbonate hardness as $CaCO_3$	2	
Sodium (Na)	2.1		Percent sodium	18	
Potassium (K)	.2		Alkalinity as $CaCO_3$	19	
Bicarbonate (HCO_3)	23		Specific conductance (umhos/cm at 25°C)	40	
Carbonate (CO_3)	0		pH (units)	7.1	
Sulfate (SO_4)	.7		Temperature (°C)	12.0	
Chloride (Cl)	4.2		Color (Pt-Co units)	2	
Fluoride (F)	.0		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.34				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	9	Strontium, dissolved (Sr)	40
Iron (Fe)	60	Zinc (Zn)	140
Lead (Pb)	80		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	.68	Gross Beta, as strontium-90	3.1
Gross Beta, as cesium-137	3.3		

PUBLIC WATER SUPPLY: Pahokee
COUNTY: Palm Beach COLLECTION DATE: 12-06-77
SAMPLING POINT (1) Treated water-264930080400502, water treatment plant laboratory tap.
(2) Raw water-264930080400501, water treatment plant laboratory tap.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	12	15	Dissolved solids (residue at 180°C)	402	457
Calcium (Ca)	44	51	Hardness as $CaCO_3$ (Ca, Mg)	160	220
Magnesium (Mg)	13	22	Noncarbonate hardness as $CaCO_3$	100	76
Sodium (Na)	66	66	Percent sodium	46	39
Potassium (K)	5.1	5.2	Alkalinity as $CaCO_3$	63	144
Bicarbonate (HCO_3)	60	176	Specific conductance (umhos/cm at 25°C)	640	690
Carbonate (CO_3)	8	0	pH (units)	9.3	8.1
Sulfate (SO_4)	85	70	Temperature (°C)	25.5	24.0
Chloride (Cl)	120	100	Color (Pt-Co units)	11	70
Fluoride (F)	.4	.4	Turbidity (NTU)	1	1
Nitrate (NO_3-N), total	.29	.25			
Nitrite (NO_2-N), total	.00	.01			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	2	Manganese (Mn)	10	10
Barium (Ba)	0	0	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	1	1	Selenium (Se)	0	0
Chromium (Cr)	10	<10	Silver (Ag)	0	0
Copper (Cu)	3	8	Strontium, dissolved (Sr)	810	1200
Iron (Fe)	50	680	Zinc (Zn)	10	100
Lead (Pb)	20	5			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<4.9	5.8	Gross Beta, as strontium-90	8.4	8.8
Gross Beta, as cesium-137	9.6	10			

PUBLIC WATER SUPPLY: Palm Beach-Villa Del Ray
COUNTY: Palm Beach COLLECTION DATE: 11-25-77
SAMPLING POINT (1) Treated water-262857080084202, Palm Beach County Utilities at Clubhouse Administration building near maingate Kings Point, tap at SE corner.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	18		Dissolved solids (residue at 180°C)	249	
Calcium (Ca)	52		Hardness as $CaCO_3$ (Ca, Mg)	140	
Magnesium (Mg)	2.0		Noncarbonate hardness as $CaCO_3$	20	
Sodium (Na)	20		Percent sodium	24	
Potassium (K)	1.8		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	144		Specific conductance (umhos/cm at 25°C)	360	
Carbonate (CO_3)	0		pH (units)	7.7	
Sulfate (SO_4)	2.0		Temperature (°C)	26.0	
Chloride (Cl)	45		Color (Pt-Co units)	9	
Fluoride (F)	.2		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	130	Strontium, dissolved (Sr)	370
Iron (Fe)	30	Zinc (Zn)	0
Lead (Pb)	28		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.02
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	1.6	Gross Beta, as strontium-90	1.0
Gross Beta, as cesium-137	1.1		

PUBLIC WATER SUPPLY: Palm Coast
COUNTY: Flagler COLLECTION DATE: 11-09-77
SAMPLING POINT (1) Treated water-293324081130701, tap in back of water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	27		Dissolved solids (residue at 180°C)	214	
Calcium (Ca)	28		Hardness as $CaCO_3$ (Ca, Mg)	84	
Magnesium (Mg)	3.4		Noncarbonate hardness as $CaCO_3$	11	
Sodium (Na)	26		Percent sodium	40	
Potassium (K)	1.1		Alkalinity as $CaCO_3$	73	
Bicarbonate (HCO_3)	89		Specific conductance (umhos/cm at 25°C)	313	
Carbonate (CO_3)	0		pH (units)	7.8	
Sulfate (SO_4)	1.0		Temperature (°C)	--	
Chloride (Cl)	50		Color (Pt-Co units)	4	
Fluoride (F)	.1		Turbidity (NTU)	--	
Nitrate (NO_3-N), total	.02				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	1
Copper (Cu)	20	Strontium, dissolved (Sr)	300
Iron (Fe)	40	Zinc (Zn)	0
Lead (Pb)	1		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	--
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.0	Gross Beta, as strontium-90	1.4
Gross Beta, as cesium-137	1.5		

PUBLIC WATER SUPPLY: Panacea
COUNTY: Wakulla COLLECTION DATE: 11-30-77
SAMPLING POINT (1) Treated water-300151084235890, tap on southwest corner of gasoline station at Highway 98 and A-372.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	5.7		Dissolved solids (residue at 180°C)	100	
Calcium (Ca)	30		Hardness as $CaCO_3$ (Ca, Mg)	82	
Magnesium (Mg)	1.6		Noncarbonate hardness as $CaCO_3$	4	
Sodium (Na)	7.8		Percent sodium	17	
Potassium (K)	1.0		Alkalinity as $CaCO_3$	77	
Bicarbonate (HCO_3)	94		Specific conductance (umhos/cm at 25°C)	197	
Carbonate (CO_3)	0		pH (units)	7.6	
Sulfate (SO_4)	2.2		Temperature (°C)	21.5	
Chloride (Cl)	10		Color (Pt-Co units)	2	
Fluoride (F)	.0		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.38				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	2	Selenium (Se)	0
Chromium (Cr)	40	Silver (Ag)	0
Copper (Cu)	6	Strontium, dissolved (Sr)	60
Iron (Fe)	30	Zinc (Zn)	80
Lead (Pb)	3		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Paxton
COUNTY: Walton COLLECTION DATE: 01-04-78
SAMPLING POINT (1) Treated water-305828086180990, tap on northwest corner of City Hall/fire station on Highway 331.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	114	
Calcium (Ca)	23		Hardness as $CaCO_3$ (Ca, Mg)	110	
Magnesium (Mg)	13		Noncarbonate hardness as $CaCO_3$	13	
Sodium (Na)	2.4		Percent sodium	4	
Potassium (K)	.9		Alkalinity as $CaCO_3$	98	
Bicarbonate (HCO_3)	120		Specific conductance (umhos/cm at 25°C)	190	
Carbonate (CO_3)	0		pH (units)	7.8	
Sulfate (SO_4)	7.8		Temperature (°C)	11.0	
Chloride (Cl)	2.5		Color (Pt-Co units)	2	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	6	Strontium, dissolved (Sr)	150
Iron (Fe)	0	Zinc (Zn)	50
Lead (Pb)	16		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 1.4	Gross Beta, as strontium-90	.8
Gross Beta, as cesium-137	1.0		

PUBLIC WATER SUPPLY: Pembroke Pines
COUNTY: Broward COLLECTION DATE: 11-22-77
SAMPLING POINT (1) Treated water-260114080183001, tap at house, 110th Avenue and Taft Street.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.6		Dissolved solids (residue at 180°C)	153	
Calcium (Ca)	22		Hardness as $CaCO_3$ (Ca, Mg)	73	
Magnesium (Mg)	4.2		Noncarbonate hardness as $CaCO_3$	57	
Sodium (Na)	13		Percent sodium	28	
Potassium (K)	1.4		Alkalinity as $CaCO_3$	16	
Bicarbonate (HCO_3)	19		Specific conductance (umhos/cm at 25°C)	230	
Carbonate (CO_3)	0		pH (units)	7.5	
Sulfate (SO_4)	16		Temperature (°C)	25.0	
Chloride (Cl)	60		Color (Pt-Co units)	11	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.06				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	.6
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	62	Strontium, dissolved (Sr)	250
Iron (Fe)	150	Zinc (Zn)	360
Lead (Pb)	32		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	2.3	Gross Beta, as strontium-90	1.2
Gross Beta, as cesium-137	1.4		

PUBLIC WATER SUPPLY: Port Charlotte
COUNTY: Charlotte COLLECTION DATE: 12-22-77
SAMPLING POINT (1) Treated water-265924082044709, Port Charlotte water water treatment plant No. 2, tap at sink in laboratory (from Fordham Waterway). (2) Raw water-265924082044701, taken from canal along side the water treatment plant.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	6.8	8.2	Dissolved solids (residue at 180°C)	346	398
Calcium (Ca)	31	91	Hardness as $CaCO_3$ (Ca, Mg)	110	260
Magnesium (Mg)	6.7	7.3	Noncarbonate hardness as $CaCO_3$	23	53
Sodium (Na)	74	33	Percent sodium	60	22
Potassium (K)	2.3	.7	Alkalinity as $CaCO_3$	82	210
Bicarbonate (HCO_3)	100	250	Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0	0	pH (units)	8.1	7.2
Sulfate (SO_4)	83	45	Temperature (°C)	--	
Chloride (Cl)	77	58	Color (Pt-Co units)	6	50
Fluoride (F)	.2	.3	Turbidity (NTU)	1	2
Nitrate (NO_3-N), total	.02	.01			
Nitrite (NO_2-N), total	.00	.00			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	--	1	Manganese (Mn)	10	10
Barium (Ba)	--	--	Mercury (Hg)	--	<.5
Cadmium (Cd)	0	0	Selenium (Se)	--	0
Chromium (Cr)	10	10	Silver (Ag)	0	0
Copper (Cu)	4	20	Strontium, dissolved (Sr)	390	780
Iron (Fe)	70	300	Zinc (Zn)	10	10
Lead (Pb)	0	2			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	--
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	--
Heptachlor epoxide	.00	.00	2,4,5-T	.00	--

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	5.2	--	Gross Beta, as strontium-90	1.7	--
Gross Beta, as cesium-137	1.9	--			

PUBLIC WATER SUPPLY: Port Richey
COUNTY: Pasco COLLECTION DATE: 12-19-77
SAMPLING POINT (1) Treated water-281648082424809, tap outside water treatment plant on south side.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	401	
Calcium (Ca)	69		Hardness as $CaCO_3$ (Ca, Mg)	200	
Magnesium (Mg)	7.0		Noncarbonate hardness as $CaCO_3$	62	
Sodium (Na)	58		Percent sodium	38	
Potassium (K)	2.2		Alkalinity as $CaCO_3$	140	
Bicarbonate (HCO_3)	170		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.9	
Sulfate (SO_4)	11		Temperature (°C)	--	
Chloride (Cl)	120		Color (Pt-Co units)	3	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	230
Iron (Fe)	20	Zinc (Zn)	10
Lead (Pb)	9		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Port St. Joe
COUNTY: Gulf COLLECTION DATE: 12-23-77
SAMPLING POINT (1) Treated water-294911085180490, tap northwest corner of City Hall.
(2) Raw water-294911085180400, intake canal from Chipola River, straining barrier bridge, mid point.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	6.5	6.4	Dissolved solids (residue at 180°C)	109	51
Calcium (Ca)	22	13	Hardness as CaCO3 (Ca, Mg)	64	40
Magnesium (Mg)	2.1	1.9	Noncarbonate hardness as CaCO3	33	21
Sodium (Na)	7.1	5.7	Percent sodium	19	23
Potassium (K)	1.4	1.4	Alkalinity as CaCO3	31	20
Bicarbonate (HCO3)	38	24	Specific conductance (umhos/cm at 25°C)	145	95
Carbonate (CO3)	0	0	pH (units)	7.1	6.0
Sulfate (SO4)	27	27	Temperature (°C)	16.0	13.0
Chloride (Cl)	12	6.7	Color (Pt-Co units)	0	4
Fluoride (F)	.0	.0	Turbidity (NTU)	1	1
Nitrate (NO3-N), total	.27	.27			
Nitrite (NO2-N), total	.00	.00			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	0	Manganese (Mn)	0	10
Barium (Ba)	--	--	Mercury (Hg)	< .5	< .5
Cadmium (Cd)	0	0	Selenium (Se)	0	0
Chromium (Cr)	10	10	Silver (Ag)	0	0
Copper (Cu)	4	3	Strontium, dissolved (Sr)	90	80
Iron (Fe)	80	160	Zinc (Zn)	10	10
Lead (Pb)	61	33			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 1.2	< 1.1	Gross Beta, as strontium-90	1.7	1.5
Gross Beta, as cesium-137	2.0	1.7			

PUBLIC WATER SUPPLY: Punta Gorda
COUNTY: Charlotte COLLECTION DATE: 12-22-77
SAMPLING POINT (1) Treated water-265832081580709, tap inside water treatment plant.

(2) Raw water-265904081560901, Shell Creek near Punta Gorda.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	5.1	5.3	Dissolved solids (residue at 180°C)	364	310
Calcium (Ca)	42	39	Hardness as $CaCO_3$ (Ca, Mg)	160	160
Magnesium (Mg)	13	13	Noncarbonate hardness as $CaCO_3$	91	83
Sodium (Na)	60	31	Percent sodium	44	30
Potassium (K)	5.1	5.0	Alkalinity as $CaCO_3$	72	72
Bicarbonate (HCO_3)	88	88	Specific conductance (umhos/cm at 25°C)	--	480
Carbonate (CO_3)	0	0	pH (units)	7.8	6.8
Sulfate (SO_4)	110	56	Temperature (°C)	--	--
Chloride (Cl)	83	65	Color (Pt-Co units)	0	170
Fluoride (F)	.1	.2	Turbidity (NTU)	1	2
Nitrate (NO_3-N), total	.14	.07			
Nitrite (NO_2-N), total	.00	.01			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	0	Manganese (Mn)	10	20
Barium (Ba)	--	--	Mercury (Hg)	< .5	< .5
Cadmium (Cd)	0	0	Selenium (Se)	0	0
Chromium (Cr)	20	20	Silver (Ag)	0	2
Copper (Cu)	3	26	Strontium, dissolved (Sr)	4000	4000
Iron (Fe)	40	630	Zinc (Zn)	0	140
Lead (Pb)	0	8			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 3.3	4.7	Gross Beta, as strontium-90	9.5	10
Gross Beta, as cesium-137	10	11			

PUBLIC WATER SUPPLY: Quincy
COUNTY: Gadsden COLLECTION DATE: 11-22-77
SAMPLING POINT (1) Treated water-303554084344890, tap from water treatment plant settling tank.
(2) Raw water-02329534, Quincy Creek at State Road 267.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	5.8	6.0	Dissolved solids (residue at 180°C)	57	36
Calcium (Ca)	11	4.0	Hardness as $CaCO_3$ (Ca, Mg)	33	16
Magnesium (Mg)	1.4	1.4	Noncarbonate hardness as $CaCO_3$	9	0
Sodium (Na)	3.4	4.7	Percent sodium	18	38
Potassium (K)	.7	.7	Alkalinity as $CaCO_3$	25	16
Bicarbonate (HCO_3)	30	19	Specific conductance (umhos/cm at 25°C)	92	51
Carbonate (CO_3)	0	0	pH (units)	9.1	7.0
Sulfate (SO_4)	6.4	.6	Temperature (°C)	16.5	16.0
Chloride (Cl)	10	5.1	Color (Pt-Co units)	5	30
Fluoride (F)	.1	.1	Turbidity (NTU)	0	5
Nitrate (NO_3-N), total	.38	.38			
Nitrite (NO_2-N), total	.00	.00			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	1	Manganese (Mn)	20	40
Barium (Ba)	0	0	Mercury (Hg)	< .5	< .5
Cadmium (Cd)	2	2	Selenium (Se)	0	0
Chromium (Cr)	10	< 10	Silver (Ag)	1	0
Copper (Cu)	69	2	Strontium, dissolved (Sr)	40	30
Iron (Fe)	30	1000	Zinc (Zn)	20	0
Lead (Pb)	49	20			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< .5	--	Gross Beta, as strontium-90	1.4	--
Gross Beta, as cesium-137	1.5	--			

PUBLIC WATER SUPPLY: Rex Utilities (Florida City)
COUNTY: Dade COLLECTION DATE: 11-30-77
SAMPLING POINT (1) Treated water-252502080300401, tap outside administration building at Florida City Prison Camp.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	4.7		Dissolved solids (residue at 180°C)	328	
Calcium (Ca)	96		Hardness as $CaCO_3$ (Ca, Mg)	250	
Magnesium (Mg)	2.9		Noncarbonate hardness as $CaCO_3$	110	
Sodium (Na)	17		Percent sodium	13	
Potassium (K)	4.0		Alkalinity as $CaCO_3$	150	
Bicarbonate (HCO_3)	180		Specific conductance (umhos/cm at 25°C)	575	
Carbonate (CO_3)	0		pH (units)	7.3	
Sulfate (SO_4)	40		Temperature (°C)	25.0	
Chloride (Cl)	28		Color (Pt-Co units)	1	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	--				
Nitrite (NO_2-N), total	--				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	1
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	83	Strontium, dissolved (Sr)	880
Iron (Fe)	40	Zinc (Zn)	20
Lead (Pb)	13		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WA TER UPPLY: Ridge Manor
COUNTY: Hernando COLLECTION DATE: 11-02-77
SAMPLING POINT (1) Treated water-283036082104809, tap on north side of pumphouse building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	10		Dissolved solids (residue at 180°C)	157	
Calcium (Ca)	54		Hardness as CaCO3 (Ca, Mg)	140	
Magnesium (Mg)	1.0		Noncarbonate hardness as CaCO3	8	
Sodium (Na)	2.8		Percent sodium	4	
Potassium (K)	.2		Alkalinity as CaCO3	130	
Bicarbonate (HCO3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	7.5	
Sulfate (SO4)	.3		Temperature (°C)	--	
Chloride (Cl)	5.4		Color (Pt-Co units)	2	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO3-N), total	.28				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	2
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	14	Strontium, dissolved (Sr)	130
Iron (Fe)	160	Zinc (Zn)	10
Lead (Pb)	13		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Ridge Utilities
COUNTY: Polk COLLECTION DATE: 12-14-77
SAMPLING POINT (1) Treated water-281202081380809, tap outside pumphouse on east side (near Haines City).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	12		Dissolved solids (residue at 180°C)	159	
Calcium (Ca)	38		Hardness as $CaCO_3$ (Ca, Mg)	120	
Magnesium (Mg)	6.2		Noncarbonate hardness as $CaCO_3$	6	
Sodium (Na)	6.7		Percent sodium	11	
Potassium (K)	1.1		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	140		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.2	
Sulfate (SO_4)	4.9		Temperature (°C)	--	
Chloride (Cl)	12		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.69				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	8	Strontium, dissolved (Sr)	60
Iron (Fe)	90	Zinc (Zn)	10
Lead (Pb)	7		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	2.9	Gross Beta, as strontium-90	2.8
Gross Beta, as cesium-137	3.1		

PUBLIC WATER SUPPLY: Rotonda West
COUNTY: Charlotte COLLECTION DATE: 12-22-77
SAMPLING POINT (1) Treated water-265105082164809, tap at water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	.9		Dissolved solids (residue at 180°C)	378	
Calcium (Ca)	6.2		Hardness as $CaCO_3$ (Ca, Mg)	38	
Magnesium (Mg)	5.3		Noncarbonate hardness as $CaCO_3$	9	
Sodium (Na)	140		Percent sodium	88	
Potassium (K)	3.1		Alkalinity as $CaCO_3$	30	
Bicarbonate (HCO_3)	36		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.6	
Sulfate (SO_4)	13		Temperature (°C)	--	
Chloride (Cl)	210		Color (Pt-Co units)	0	
Fluoride (F)	.0		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.02				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	4	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	6	Strontium, dissolved (Sr)	720
Iron (Fe)	50	Zinc (Zn)	20
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Ruskin
COUNTY: Hillsborough COLLECTION DATE: 12-20-77
SAMPLING POINT (1) Treated water-274239082260009, tap outside water treatment plant on east side of building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	23		Dissolved solids (residue at 180°C)	629	
Calcium (Ca)	110		Hardness as $CaCO_3$ (Ca, Mg)	470	
Magnesium (Mg)	45		Noncarbonate hardness as $CaCO_3$	320	
Sodium (Na)	12		Percent sodium	5	
Potassium (K)	1.8		Alkalinity as $CaCO_3$	150	
Bicarbonate (HCO_3)	180		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.6	
Sulfate (SO_4)	300		Temperature (°C)	--	
Chloride (Cl)	24		Color (Pt-Co units)	3	
Fluoride (F)	.5		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	2
Copper (Cu)	6	Strontium, dissolved (Sr)	6300
Iron (Fe)	130	Zinc (Zn)	230
Lead (Pb)	14		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	6.8	Gross Beta, as strontium-90	4.3
Gross Beta, as cesium-137	4.7		

PUBLIC WATER SUPPLY: St. Augustine
COUNTY: St. Johns COLLECTION DATE: 12-12-77
SAMPLING POINT (1) Treated water-295326081194902, tap in front of water treatment plant office, about 10 feet from raw sampling point.
(2) Raw water-295326081194901, tap on transmission line before mixing basin at water treatment plant.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	18	12	Dissolved solids (residue at 180°C)	564	517
Calcium (Ca)	60	170	Hardness as $CaCO_3$ (Ca, Mg)	250	440
Magnesium (Mg)	23	3.9	Noncarbonate hardness as $CaCO_3$	230	120
Sodium (Na)	100	21	Percent sodium	47	9
Potassium (K)	3.7	1.4	Alkalinity as $CaCO_3$	20	320
Bicarbonate (HCO_3)	24	390	Specific conductance (umhos/cm at 25°C)	1020	860
Carbonate (CO_3)	0	0	pH (units)	8.7	6.7
Sulfate (SO_4)	160	84	Temperature (°C)	19.5	20.0
Chloride (Cl)	200	34	Color (Pt-Co units)	0	0
Fluoride (F)	.4	.1	Turbidity (NTU)	1	5
Nitrate (NO_3-N), total	.10	.19			
Nitrite (NO_2-N), total	.02	.00			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	2	Manganese (Mn)	0	10
Barium (Ba)	--	--	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	0	0	Selenium (Se)	0	0
Chromium (Cr)	10	10	Silver (Ag)	1	1
Copper (Cu)	11	23	Strontium, dissolved (Sr)	1700	870
Iron (Fe)	20	2700	Zinc (Zn)	10	10
Lead (Pb)	4	62			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.00
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	8.2	<4.3	Gross Beta, as strontium-90	3.0	<2.0
Gross Beta, as cesium-137	3.4	<2.2			

PUBLIC WATER SUPPLY: St. Cloud
COUNTY: Osceola COLLECTION DATE: 11-14-77
SAMPLING POINT (1) Treated water-281456081171901, (composite wells 2 & 3), tap inside pumphouse near elevated water tank.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	14		Dissolved solids (residue at 180°C)	240	
Calcium (Ca)	55		Hardness as $CaCO_3$ (Ca, Mg)	170	
Magnesium (Mg)	7.6		Noncarbonate hardness as $CaCO_3$	39	
Sodium (Na)	11		Percent sodium	12	
Potassium (K)	1.4		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	41		Temperature (°C)	23.0	
Chloride (Cl)	16		Color (Pt-Co units)	5	
Fluoride (F)	.7		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	100	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	5	Strontium, dissolved (Sr)	1200
Iron (Fe)	70	Zinc (Zn)	20
Lead (Pb)	5		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	3.8	Gross Beta, as strontium-90	2.4
Gross Beta, as cesium-137	2.7		

PUBLIC WATER SUPPLY: St. Marks
COUNTY: Wakulla COLLECTION DATE: 11-23-77
SAMPLING POINT (1) Treated water-301148084130390, tap on front of City Hall (east side) near front door.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	6.8		Dissolved solids (residue at 180°C)	275	
Calcium (Ca)	95		Hardness as CaCO3 (Ca, Mg)	260	
Magnesium (Mg)	4.8		Noncarbonate hardness as CaCO3	3	
Sodium (Na)	3.3		Percent sodium	3	
Potassium (K)	.4		Alkalinity as CaCO3	250	
Bicarbonate (HCO3)	310		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	7.5	
Sulfate (SO4)	6.8		Temperature (°C)	20.5	
Chloride (Cl)	6.8		Color (Pt-Co units)	0	
Fluoride (F)	--		Turbidity (NTU)	2	
Nitrate (NO3-N), total	.01				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	20
Barium (Ba)	100	Mercury (Hg)	.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	5	Strontium, dissolved (Sr)	100
Iron (Fe)	30	Zinc (Zn)	70
Lead (Pb)	21		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.6	Gross Beta, as strontium-90	1.4
Gross Beta, as cesium-137	1.5		

PUBLIC WATER SUPPLY: San Antonio
COUNTY: Pasco COLLECTION DATE: 12-20-77
SAMPLING POINT (1) Treated water-282011082162301, tap inside City Hall.

(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.8		Dissolved solids (residue at 180°C)	173	
Calcium (Ca)	50		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	2.1		Noncarbonate hardness as $CaCO_3$	11	
Sodium (Na)	14		Percent sodium	19	
Potassium (K)	.5		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	8.3	
Sulfate (SO_4)	4.2		Temperature (°C)	--	
Chloride (Cl)	21		Color (Pt-Co units)	0	
Fluoride (F)	.0		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.72				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	3	Manganese (Mn)	20
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	30	Silver (Ag)	0
Copper (Cu)	13	Strontium, dissolved (Sr)	100
Iron (Fe)	550	Zinc (Zn)	40
Lead (Pb)	15		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Sarasota
COUNTY: Sarasota COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-272252082175409, tap outside water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as $CaCO_3$ (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as $CaCO_3$		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as $CaCO_3$		
Bicarbonate (HCO_3)			Specific conductance (umhos/cm at 25°C)		
Carbonate (CO_3)			pH (units)		
Sulfate (SO_4)			Temperature (°C)		
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO_3-N), total					
Nitrite (NO_2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)		Manganese (Mn)	
Barium (Ba)		Mercury (Hg)	
Cadmium (Cd)		Selenium (Se)	
Chromium (Cr)		Silver (Ag)	
Copper (Cu)		Strontium, dissolved (Sr)	
Iron (Fe)		Zinc (Zn)	
Lead (Pb)			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin		Lindane	
Chlordane		Methoxychlor	
DDD		Mirex	
DDE		PCB	
DDT		PCN	
Dieldrin		Silvex	
Endrin		Toxaphene	
Heptachlor		2,4-D	
Heptachlor epoxide		2,4,5-T	

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	6.8	Gross Beta, as strontium-90	7.4
Gross Beta, as cesium-137	8.4		

PUBLIC WATER SUPPLY: Sawgrass
COUNTY: St. Johns COLLECTION DATE: 12-12-77
SAMPLING POINT (1) Treated water-301118081224401, tap on north side of holding tank about 30 feet from water treatment plant (building 10047) at Sawgrass development.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	23		Dissolved solids (residue at 180°C)	419	
Calcium (Ca)	63		Hardness as $CaCO_3$ (Ca, Mg)	300	
Magnesium (Mg)	34		Noncarbonate hardness as $CaCO_3$	180	
Sodium (Na)	17		Percent sodium	11	
Potassium (K)	3.0		Alkalinity as $CaCO_3$	110	
Bicarbonate (HCO_3)	140		Specific conductance (umhos/cm at 25°C)	647	
Carbonate (CO_3)	0		pH (units)	7.2	
Sulfate (SO_4)	170		Temperature (°C)	20.0	
Chloride (Cl)	24		Color (Pt-Co units)	0	
Fluoride (F)	.8		Turbidity (NTU)	2	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	1
Copper (Cu)	13	Strontium, dissolved (Sr)	2100
Iron (Fe)	90	Zinc (Zn)	10
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Sneads
COUNTY: Jackson COLLECTION DATE: 12-02-77
SAMPLING POINT (1) Treated water-304315084555290, tap on west side of U.S. Post Office building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	11		Dissolved solids (residue at 180°C)	115	
Calcium (Ca)	24		Hardness as CaCO3 (Ca, Mg)	110	
Magnesium (Mg)	12		Noncarbonate hardness as CaCO3	11	
Sodium (Na)	2.1		Percent sodium	4	
Potassium (K)	.3		Alkalinity as CaCO3	98	
Bicarbonate (HCO3)	120		Specific conductance (umhos/cm at 25°C)	180	
Carbonate (CO3)	0		pH (units)	7.8	
Sulfate (SO4)	1.2		Temperature (°C)	20.0	
Chloride (Cl)	3.7		Color (Pt-Co units)	1	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO3-N), total	.82				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	1.2
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	60
Iron (Fe)	30	Zinc (Zn)	20
Lead (Pb)	9		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<1.6	Gross Beta, as strontium-90	1.2
Gross Beta, as cesium-137	1.4		

PUBLIC WATER SUPPLY: South Miami Heights
COUNTY: Dade COLLECTION DATE: 12-15-77
SAMPLING POINT (1) Treated water-253427080193901, Tap at store, 20740 SW 84th Avenue, Saga Bay.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	4.8		Dissolved solids (residue at 180°C)	251	
Calcium (Ca)	76		Hardness as $CaCO_3$ (Ca, Mg)	200	
Magnesium (Mg)	2.0		Noncarbonate hardness as $CaCO_3$	35	
Sodium (Na)	12		Percent sodium	12	
Potassium (K)	1.6		Alkalinity as $CaCO_3$	160	
Bicarbonate (HCO_3)	200		Specific conductance (umhos/cm at 25°C)	435	
Carbonate (CO_3)	0		pH (units)	7.5	
Sulfate (SO_4)	20		Temperature (°C)	24.5	
Chloride (Cl)	22		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.44				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	8	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	1
Copper (Cu)	110	Strontium, dissolved (Sr)	770
Iron (Fe)	90	Zinc (Zn)	10
Lead (Pb)	68		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: South Walton County Utilities
COUNTY: Walton COLLECTION DATE: 01-05-78
SAMPLING POINT (1) Treated water-302241086223690, tap near left side of entrance to the Museum of the Sea and Indian.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	3.1		Dissolved solids (residue at 180°C)	48	
Calcium (Ca)	1.9		Hardness as $CaCO_3$ (Ca, Mg)	13	
Magnesium (Mg)	2.1		Noncarbonate hardness as $CaCO_3$	13	
Sodium (Na)	11		Percent sodium	63	
Potassium (K)	.7		Alkalinity as $CaCO_3$	0	
Bicarbonate (HCO_3)	0		Specific conductance (umhos/cm at 25°C)	80	
Carbonate (CO_3)	0		pH (units)	.5	
Sulfate (SO_4)	9.5		Temperature (°C)	12.5	
Chloride (Cl)	18		Color (Pt-Co units)	6	
Fluoride (F)	.0		Turbidity (NTU)	6	
Nitrate (NO_3-N), total	.00				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	8	Strontium, dissolved (Sr)	40
Iron (Fe)	2400	Zinc (Zn)	240
Lead (Pb)	26		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Sunrise
COUNTY: Broward COLLECTION DATE: 11-23-77
SAMPLING POINT (1) Treated water-260948080180601, tap at house, 123rd Terrace and 29th Avenue.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	8.8		Dissolved solids (residue at 180°C)	210	
Calcium (Ca)	37		Hardness as $CaCO_3$ (Ca, Mg)	100	
Magnesium (Mg)	1.9		Noncarbonate hardness as $CaCO_3$	72	
Sodium (Na)	30		Percent sodium	39	
Potassium (K)	2.4		Alkalinity as $CaCO_3$	29	
Bicarbonate (HCO_3)	35		Specific conductance (umhos/cm at 25°C)	380	
Carbonate (CO_3)	0		pH (units)	7.7	
Sulfate (SO_4)	62		Temperature (°C)	25.0	
Chloride (Cl)	55		Color (Pt-Co units)	4	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.08				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	14	Strontium, dissolved (Sr)	550
Iron (Fe)	50	Zinc (Zn)	10
Lead (Pb)	20		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	1.4
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<2.0	Gross Beta, as strontium-90	2.5
Gross Beta, as cesium-137	2.8		

PUBLIC WATER SUPPLY: Tamarac
COUNTY: Broward COLLECTION DATE: 11-23-77
SAMPLING POINT (1) Treated water-261127080172201, tap at house, 107th Terrace and 80th Court.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	12		Dissolved solids (residue at 180°C)	234	
Calcium (Ca)	29		Hardness as $CaCO_3$ (Ca, Mg)	87	
Magnesium (Mg)	3.4		Noncarbonate hardness as $CaCO_3$	54	
Sodium (Na)	33		Percent sodium	45	
Potassium (K)	2.2		Alkalinity as $CaCO_3$	33	
Bicarbonate (HCO_3)	40		Specific conductance (umhos/cm at 25°C)	380	
Carbonate (CO_3)	0		pH (units)	7.6	
Sulfate (SO_4)	39		Temperature (°C)	25.0	
Chloride (Cl)	68		Color (Pt-Co units)	15	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.05				
Nitrite (NO_2-N), total	.01				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	20
Barium (Ba)	--	Mercury (Hg)	.7
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	9	Strontium, dissolved (Sr)	720
Iron (Fe)	640	Zinc (Zn)	40
Lead (Pb)	21		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.06
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.0	Gross Beta, as strontium-90	2.5
Gross Beta, as cesium-137	2.8		

PUBLIC WATER SUPPLY: Tampa
COUNTY: Hillsborough COLLECTION DATE: 12-16-77
SAMPLING POINT (1) Treated water-280058082252809, tap in laboratory of water treatment plant.
(2) Raw water-280057082252000, tap inside old water treatment laboratory.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	6.2	6.6	Dissolved solids (residue at 180°C)	305	223
Calcium (Ca)	75	57	Hardness as $CaCO_3$ (Ca, Mg)	210	160
Magnesium (Mg)	6.3	5.2	Noncarbonate hardness as $CaCO_3$	91	33
Sodium (Na)	21	11	Percent sodium	17	13
Potassium (K)	2.4	2.2	Alkalinity as $CaCO_3$	120	130
Bicarbonate (HCO_3)	150	160	Specific conductance (umhos/cm at 25°C)	--	--
Carbonate (CO_3)	0	0	pH (units)	7.2	7.0
Sulfate (SO_4)	65	24	Temperature (°C)	--	--
Chloride (Cl)	42	16	Color (Pt-Co units)	2	1
Fluoride (F)	.1	.2	Turbidity (NTU)	--	1
Nitrate (NO_3-N), total	.14	.13			
Nitrite (NO_2-N), total	.00	.01			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	3	3	Manganese (Mn)	0	10
Barium (Ba)	--	--	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	0	0	Selenium (Se)	0	0
Chromium (Cr)	10	10	Silver (Ag)	1	1
Copper (Cu)	3	3	Strontium, dissolved (Sr)	460	430
Iron (Fe)	20	60	Zinc (Zn)	20	10
Lead (Pb)	4	6			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.00	.00
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.00	.02
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<2.6	--	Gross Beta, as strontium-90	3.8	--
Gross Beta, as cesium-137	4.1	--			

PUBLIC WATER SUPPLY: Temple Terrace
COUNTY: Hillsborough COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-280243082231909, tap outside water department office on west side.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	12		Dissolved solids (residue at 180°C)	222	
Calcium (Ca)	63		Hardness as CaCO3 (Ca, Mg)	180	
Magnesium (Mg)	4.7		Noncarbonate hardness as CaCO3	71	
Sodium (Na)	5.3		Percent sodium	6	
Potassium (K)	.7		Alkalinity as CaCO3	110	
Bicarbonate (HCO3)	130		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	7.4	
Sulfate (SO4)	58		Temperature (°C)	--	
Chloride (Cl)	9.5		Color (Pt-Co units)	2	
Fluoride (F)	.1		Turbidity (NTU)	0	
Nitrate (NO3-N), total	.85				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	1
Chromium (Cr)	30	Silver (Ag)	1
Copper (Cu)	6	Strontium, dissolved (Sr)	590
Iron (Fe)	170	Zinc (Zn)	40
Lead (Pb)	4		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	7.5	Gross Beta, as strontium-90	2.4
Gross Beta, as cesium-137	2.6		

PUBLIC WATER SUPPLY: Umatilla
COUNTY: Lake COLLECTION DATE: 11-03-77
SAMPLING POINT (1) Treated water-285627081400001, tap inside water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	14		Dissolved solids (residue at 180°C)	127	
Calcium (Ca)	31		Hardness as $CaCO_3$ (Ca, Mg)	100	
Magnesium (Mg)	6.5		Noncarbonate hardness as $CaCO_3$	6	
Sodium (Na)	6.7		Percent sodium	12	
Potassium (K)	1.2		Alkalinity as $CaCO_3$	98	
Bicarbonate (HCO_3)	120		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.1	
Sulfate (SO_4)	2.6		Temperature (°C)	24.0	
Chloride (Cl)	17		Color (Pt-Co units)	12	
Fluoride (F)	.1		Turbidity (NTU)	2	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	< .5
Cadmium (Cd)	1	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	130	Strontium, dissolved (Sr)	70
Iron (Fe)	100	Zinc (Zn)	10
Lead (Pb)	10		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	--
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	--
Heptachlor epoxide	.00	2,4,5-T	--

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Union Correctional Institute
COUNTY: Union COLLECTION DATE: 12-09-77
SAMPLING POINT (1) Treated water-30034208111390, tap in sink inside water treatment plant northwest of correctional facility.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	18		Dissolved solids (residue at 180°C)	187	
Calcium (Ca)	35		Hardness as $CaCO_3$ (Ca, Mg)	140	
Magnesium (Mg)	13		Noncarbonate hardness as $CaCO_3$	19	
Sodium (Na)	7.4		Percent sodium	10	
Potassium (K)	1.1		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	280	
Carbonate (CO_3)	0		pH (units)	7.7	
Sulfate (SO_4)	18		Temperature (°C)	24.0	
Chloride (Cl)	8.2		Color (Pt-Co units)	0	
Fluoride (F)	.3		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	39	Strontium, dissolved (Sr)	730
Iron (Fe)	0	Zinc (Zn)	0
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 2.9	Gross Beta, as strontium-90	1.1
Gross Beta, as cesium-137	1.4		

PUBLIC WATER SUPPLY: Venice
COUNTY: Sarasota COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-270601082261409, composite, tap outside old water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as $CaCO_3$ (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as $CaCO_3$		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as $CaCO_3$		
Bicarbonate (HCO_3)			Specific conductance (umhos/cm at 25°C)		
Carbonate (CO_3)			pH (units)		
Sulfate (SO_4)			Temperature (°C)		
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO_3-N), total					
Nitrite (NO_2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)		Manganese (Mn)	
Barium (Ba)		Mercury (Hg)	
Cadmium (Cd)		Selenium (Se)	
Chromium (Cr)		Silver (Ag)	
Copper (Cu)		Strontium, dissolved (Sr)	
Iron (Fe)		Zinc (Zn)	
Lead (Pb)			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin		Lindane	
Chlordane		Methoxychlor	
DDD		Mirex	
DDE		PCB	
DDT		PCN	
Dieldrin		Silvex	
Endrin		Toxaphene	
Heptachlor		2,4-D	
Heptachlor epoxide		2,4,5-T	

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	12	Gross Beta, as strontium-90	4.7
Gross Beta, as cesium-137	5.2		

PUBLIC WATER SUPPLY: Venice Gardens
COUNTY: Sarasota COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-270520082260409, tap inside water treatment plant number 2.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)	27		Dissolved solids (residue at 180°C)	800	
Calcium (Ca)	120		Hardness as CaCO3 (Ca, Mg)	480	
Magnesium (Mg)	44		Noncarbonate hardness as CaCO3	290	
Sodium (Na)	60		Percent sodium	21	
Potassium (K)	3.6		Alkalinity as CaCO3	200	
Bicarbonate (HCO3)	240		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO3)	0		pH (units)	8.2	
Sulfate (SO4)	230		Temperature (°C)	--	
Chloride (Cl)	140		Color (Pt-Co units)	0	
Fluoride (F)	.8		Turbidity (NTU)	1	
Nitrate (NO3-N), total	.02				
Nitrite (NO2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	67	Strontium, dissolved (Sr)	2900
Iron (Fe)	210	Zinc (Zn)	40
Lead (Pb)	3		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.02
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	33	Gross Beta, as strontium-90	12
Gross Beta, as cesium-137	14		

PUBLIC WATER SUPPLY: Vernon
COUNTY: Washington COLLECTION DATE: 11-22-77
SAMPLING POINT (1) Treated water-303739085424390, tap on east side of commons in town square across from City Hall.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.2		Dissolved solids (residue at 180°C)	124	
Calcium (Ca)	42		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	7.0		Noncarbonate hardness as $CaCO_3$	3	
Sodium (Na)	2.8		Percent sodium	4	
Potassium (K)	.5		Alkalinity as $CaCO_3$	130	
Bicarbonate (HCO_3)	160		Specific conductance (umhos/cm at 25°C)	200	
Carbonate (CO_3)	0		pH (units)	7.8	
Sulfate (SO_4)	2.3		Temperature (°C)	20.0	
Chloride (Cl)	3.7		Color (Pt-Co units)	2	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.16				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	3	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	30	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	100
Iron (Fe)	90	Zinc (Zn)	10
Lead (Pb)	28		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< 1.6	Gross Beta, as strontium-90	<.5
Gross Beta, as cesium-137	< .5		

PUBLIC WATER SUPPLY: Wahneta
COUNTY: Polk COLLECTION DATE: 12-14-77
SAMPLING POINT (1) Treated water-275726081433509, tap outside on south side of water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	19		Dissolved solids (residue at 180°C)	182	
Calcium (Ca)	38		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	8.0		Noncarbonate hardness as $CaCO_3$	5	
Sodium (Na)	10		Percent sodium	14	
Potassium (K)	1.4		Alkalinity as $CaCO_3$	120	
Bicarbonate (HCO_3)	150		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.0	
Sulfate (SO_4)	2.1		Temperature (°C)	--	
Chloride (Cl)	19		Color (Pt-Co units)	0	
Fluoride (F)	.2		Turbidity (NTU)	0	
Nitrate (NO_3-N), total	.01				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	17	Strontium, dissolved (Sr)	150
Iron (Fe)	50	Zinc (Zn)	90
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	4.6	Gross Beta, as strontium-90	1.8
Gross Beta, as cesium-137	2.0		

PUBLIC WATER SUPPLY: Walt Disney World
COUNTY: Orange COLLECTION DATE: 11-02-77
SAMPLING POINT (1) Treated water-282530081344501, (composite wells 8, 9, & 10), tap outside pump housing.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.2		Dissolved solids (residue at 180°C)	96	
Calcium (Ca)	25		Hardness as $CaCO_3$ (Ca, Mg)	85	
Magnesium (Mg)	5.4		Noncarbonate hardness as $CaCO_3$	11	
Sodium (Na)	2.6		Percent sodium	6	
Potassium (K)	.6		Alkalinity as $CaCO_3$	74	
Bicarbonate (HCO_3)	90		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.1	
Sulfate (SO_4)	1.9		Temperature (°C)	26.0	
Chloride (Cl)	5.8		Color (Pt-Co units)	0	
Fluoride (F)	.0		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.02				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	< 10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	100
Iron (Fe)	20	Zinc (Zn)	20
Lead (Pb)	7		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Weeki Wachee
COUNTY: Hernando COLLECTION DATE: 12-19-77
SAMPLING POINT (1) Treated water-283206082365809, tap inside west end of main building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.6		Dissolved solids (residue at 180°C)	143	
Calcium (Ca)	39		Hardness as $CaCO_3$ (Ca, Mg)	110	
Magnesium (Mg)	1.9		Noncarbonate hardness as $CaCO_3$	7	
Sodium (Na)	3.2		Percent sodium	6	
Potassium (K)	.4		Alkalinity as $CaCO_3$	98	
Bicarbonate (HCO_3)	120		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	1.5		Temperature (°C)	--	
Chloride (Cl)	7.1		Color (Pt-Co units)	3	
Fluoride (F)	.0		Turbidity (NTU)	3	
Nitrate (NO_3-N), total	.21				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	< .5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	20	Silver (Ag)	0
Copper (Cu)	160	Strontium, dissolved (Sr)	100
Iron (Fe)	100	Zinc (Zn)	80
Lead (Pb)	14		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: West Palm Beach
COUNTY: Palm Beach COLLECTION DATE: 11-28-77
SAMPLING POINT (1) Treated water-264255080035002, tap inside water treatment plant.

(2) Raw water-264255080035001, water treatment plant intake from Clear Lake.

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	8.8	8.4	Dissolved solids (residue at 180°C)	501	521
Calcium (Ca)	59	55	Hardness as $CaCO_3$ (Ca, Mg)	220	210
Magnesium (Mg)	18	18	Noncarbonate hardness as $CaCO_3$	95	55
Sodium (Na)	85	85	Percent sodium	45	46
Potassium (K)	5.0	5.0	Alkalinity as $CaCO_3$	130	160
Bicarbonate (HCO_3)	156	192	Specific conductance (umhos/cm at 25°C)	800	750
Carbonate (CO_3)	0	0	pH (units)	7.5	8.2
Sulfate (SO_4)	88	57	Temperature (°C)	24.5	24.0
Chloride (Cl)	150	150	Color (Pt-Co units)	7	35
Fluoride (F)	.2	.3	Turbidity (NTU)	1	1
Nitrate (NO_3-N), total	.00	.00			
Nitrite (NO_2-N), total	.01	.01			

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	2	Manganese (Mn)	10	10
Barium (Ba)	0	0	Mercury (Hg)	<.5	<.5
Cadmium (Cd)	0	1	Selenium (Se)	0	0
Chromium (Cr)	10	10	Silver (Ag)	0	0
Copper (Cu)	9	24	Strontium, dissolved (Sr)	1100	1100
Iron (Fe)	30	60	Zinc (Zn)	10	10
Lead (Pb)	0	28			

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	.00	Lindane	.00	.00
Chlordane	.0	.0	Methoxychlor	.00	.00
DDD	.00	.00	Mirex	.00	.00
DDE	.00	.00	PCB	.0	.0
DDT	.00	.00	PCN	.00	.00
Dieldrin	.00	.00	Silvex	.03	.01
Endrin	.00	.00	Toxaphene	0	0
Heptachlor	.00	.00	2,4-D	.15	.16
Heptachlor epoxide	.00	.00	2,4,5-T	.00	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<1.6	<5.0	Gross Beta, as strontium-90	2.3	8.1
Gross Beta, as cesium-137	2.6	9.1			

PUBLIC WATER SUPPLY: Wewahitchka
COUNTY: Gulf COLLECTION DATE: 12-23-77
SAMPLING POINT (1) Treated water-300642085115090, tap outside on east end of City Hall building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in m 11i grams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO2)			Dissolved solids (residue at 180°C)		
Calcium (Ca)			Hardness as CaCO3 (Ca, Mg)		
Magnesium (Mg)			Noncarbonate hardness as CaCO3		
Sodium (Na)			Percent sodium		
Potassium (K)			Alkalinity as CaCO3		
Bicarbonate (HCO3)			Specific conductance (umhos/cm at 25°C)	660	
Carbonate (CO3)			pH (units)	8.0	
Sulfate (SO4)			Temperature (°C)	14.0	
Chloride (Cl)			Color (Pt-Co units)		
Fluoride (F)			Turbidity (NTU)		
Nitrate (NO3-N), total					
Nitrite (NO2-N), total					

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Cadmium (Cd)	Selenium (Se)
Chromium (Cr)	Silver (Ag)
Copper (Cu)	Strontium, dissolved (Sr)
Iron (Fe)	Zinc (Zn)
Lead (Pb)	

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	Lindane
Chlordane	Methoxychlor
DDD	Mirex
DDE	PCB
DDT	PCN
Dieldrin	Silvex
Endrin	Toxaphene
Heptachlor	2,4-D
Heptachlor epoxide	2,4,5-T

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<6.0	Gross Beta, as strontium-90	4.9
Gross Beta, as cesium-137	5.7		

PUBLIC WATER SUPPLY: White Springs
COUNTY: Hamilton COLLECTION DATE: 12-08-77
SAMPLING POINT (1) Treated water-301945082443790, tap in rear of U.S. Post Office building (south side).
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	27		Dissolved solids (residue at 180°C)	224	
Calcium (Ca)	45		Hardness as $CaCO_3$ (Ca, Mg)	190	
Magnesium (Mg)	19		Noncarbonate hardness as $CaCO_3$	18	
Sodium (Na)	5.1		Percent sodium	5	
Potassium (K)	.7		Alkalinity as $CaCO_3$	170	
Bicarbonate (HCO_3)	210		Specific conductance (umhos/cm at 25°C)	345	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	7.3		Temperature (°C)	17.0	
Chloride (Cl)	11		Color (Pt-Co units)	2	
Fluoride (F)	.3		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.05				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	16	Strontium, dissolved (Sr)	70
Iron (Fe)	70	Zinc (Zn)	180
Lead (Pb)	16		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMP OUN S
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	2.9	Gross Beta, as strontium-90	2.4
Gross Beta, as cesium-137	2.6		

PUBLIC WATER SUPPLY: Wildwood
COUNTY: Sumter COLLECTION DATE: 11-08-77
SAMPLING POINT (1) Treated water-285141082015501, tap outside pumphouse.

(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	10		Dissolved solids (residue at 180°C)	183	
Calcium (Ca)	60		Hardness as $CaCO_3$ (Ca, Mg)	160	
Magnesium (Mg)	2.6		Noncarbonate hardness as $CaCO_3$	13	
Sodium (Na)	5.4		Percent sodium	7	
Potassium (K)	.6		Alkalinity as $CaCO_3$	150	
Bicarbonate (HCO_3)	180		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.3	
Sulfate (SO_4)	4.5		Temperature (°C)	23.0	
Chloride (Cl)	8.6		Color (Pt-Co units)	5	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	1.1				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	0	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	15
Chromium (Cr)	<10	Silver (Ag)	1
Copper (Cu)	9	Strontium, dissolved (Sr)	290
Iron (Fe)	50	Zinc (Zn)	60
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	<2.2	Gross Beta, as strontium-90	1.6
Gross Beta, as cesium-137	1.7		

PUBLIC WATER SUPPLY: Williston
COUNTY: Levy COLLECTION DATE: 11-03-77
SAMPLING POINT (1) Treated water-292309082272601, tap at water treatment plant.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	6.3		Dissolved solids (residue at 180°C)	254	
Calcium (Ca)	88		Hardness as $CaCO_3$ (Ca, Mg)	230	
Magnesium (Mg)	2.5		Noncarbonate hardness as $CaCO_3$	1	
Sodium (Na)	3.7		Percent sodium	3	
Potassium (K)	.4		Alkalinity as $CaCO_3$	230	
Bicarbonate (HCO_3)	280		Specific conductance (umhos/cm at 25°C)	478	
Carbonate (CO_3)	0		pH (units)	6.9	
Sulfate (SO_4)	1.9		Temperature (°C)	22.5	
Chloride (Cl)	6.5		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	2	
Nitrate (NO_3-N), total	1.4				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	0
Barium (Ba)	100	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	0
Copper (Cu)	4	Strontium, dissolved (Sr)	110
Iron (Fe)	30	Zinc (Zn)	10
Lead (Pb)	6		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	--
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	--	Gross Beta, as strontium-90	--
Gross Beta, as cesium-137	--		

PUBLIC WATER SUPPLY: Woodville
COUNTY: Leon COLLECTION DATE: 11-23-77
SAMPLING POINT (1) Treated water-301853084145090, tap on west side of U.S. Post Office building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	11		Dissolved solids (residue at 180°C)	233	
Calcium (Ca)	58		Hardness as $CaCO_3$ (Ca, Mg)	240	
Magnesium (Mg)	23		Noncarbonate hardness as $CaCO_3$	18	
Sodium (Na)	4.2		Percent sodium	4	
Potassium (K)	.4		Alkalinity as $CaCO_3$	220	
Bicarbonate (HCO_3)	270		Specific conductance (umhos/cm at 25°C)	450	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)	7.4		Temperature (°C)	19.5	
Chloride (Cl)	5.6		Color (Pt-Co units)	4	
Fluoride (F)	.2		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	1.0				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	2	Manganese (Mn)	10
Barium (Ba)	0	Mercury (Hg)	1.4
Cadmium (Cd)	5	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	16	Strontium, dissolved (Sr)	90
Iron (Fe)	0	Zinc (Zn)	390
Lead (Pb)	77		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	7.5	Gross Beta, as strontium-90	3.8
Gross Beta, as cesium-137	4.3		

PUBLIC WATER SUPPLY: Zephyrhills
COUNTY: Pasco COLLECTION DATE: 12-20-77
SAMPLING POINT (1) Treated water-281403082105309, tap outside fire station from elevated tank.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	9.4		Dissolved solids (residue at 180°C)	162	
Calcium (Ca)	48		Hardness as $CaCO_3$ (Ca, Mg)	130	
Magnesium (Mg)	1.5		Noncarbonate hardness as $CaCO_3$	36	
Sodium (Na)	3.8		Percent sodium	6	
Potassium (K)	.3		Alkalinity as $CaCO_3$	90	
Bicarbonate (HCO_3)	110		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	8.4	
Sulfate (SO_4)	3.0		Temperature (°C)	--	
Chloride (Cl)	28		Color (Pt-Co units)	0	
Fluoride (F)	.1		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	1.0				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	0	Manganese (Mn)	10
Barium (Ba)	--	Mercury (Hg)	1.2
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	10	Silver (Ag)	2
Copper (Cu)	9	Strontium, dissolved (Sr)	90
Iron (Fe)	30	Zinc (Zn)	20
Lead (Pb)	10		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	< .9	Gross Beta, as strontium-90	< .4
Gross Beta, as cesium-137	< .5		

PUBLIC WATER SUPPLY: Zolfo Springs
COUNTY: Hardee COLLECTION DATE: 12-21-77
SAMPLING POINT (1) Treated water-272945081474409, tap on south side of pumphouse building.
(2) Raw water-

ANALYSIS OF MAJOR CHEMICAL CONSTITUENTS AND PHYSICAL PROPERTIES
(Dissolved concentrations in milligrams per liter, except as indicated)

	(1)	(2)		(1)	(2)
Silica (SiO_2)	20		Dissolved solids (residue at 180°C)	477	
Calcium (Ca)	73		Hardness as $CaCO_3$ (Ca, Mg)	360	
Magnesium (Mg)	34		Noncarbonate hardness as $CaCO_3$	200	
Sodium (Na)	13		Percent sodium	8	
Potassium (K)	2.2		Alkalinity as $CaCO_3$	160	
Bicarbonate (HCO_3)	190		Specific conductance (umhos/cm at 25°C)	--	
Carbonate (CO_3)	0		pH (units)	7.4	
Sulfate (SO_4)			Temperature (°C)	--	
Chloride (Cl)	22		Color (Pt-Co units)	3	
Fluoride (F)	1.0		Turbidity (NTU)	1	
Nitrate (NO_3-N), total	.03				
Nitrite (NO_2-N), total	.00				

ANALYSIS OF SELECTED TRACE ELEMENTS
(Total concentrations in micrograms per liter, except as indicated)

Arsenic (As)	1	Manganese (Mn)	0
Barium (Ba)	--	Mercury (Hg)	<.5
Cadmium (Cd)	0	Selenium (Se)	0
Chromium (Cr)	<10	Silver (Ag)	0
Copper (Cu)	3	Strontium, dissolved (Sr)	30000
Iron (Fe)	20	Zinc (Zn)	30
Lead (Pb)	0		

ANALYSIS OF SELECTED PESTICIDE AND INDUSTRIAL COMPOUNDS
(Total concentrations in micrograms per liter)

Aldrin	.00	Lindane	.00
Chlordane	.0	Methoxychlor	.00
DDD	.00	Mirex	.00
DDE	.00	PCB	.0
DDT	.00	PCN	.00
Dieldrin	.00	Silvex	.00
Endrin	.00	Toxaphene	0
Heptachlor	.00	2,4-D	.00
Heptachlor epoxide	.00	2,4,5-T	.00

ANALYSIS OF SELECTED GROSS RADIOACTIVITY
(Total activity concentrations in picocuries per liter)

Gross Alpha, as uranium natural	20	Gross Beta, as strontium-90	5.8
Gross Beta, as cesium-137	6.6		

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