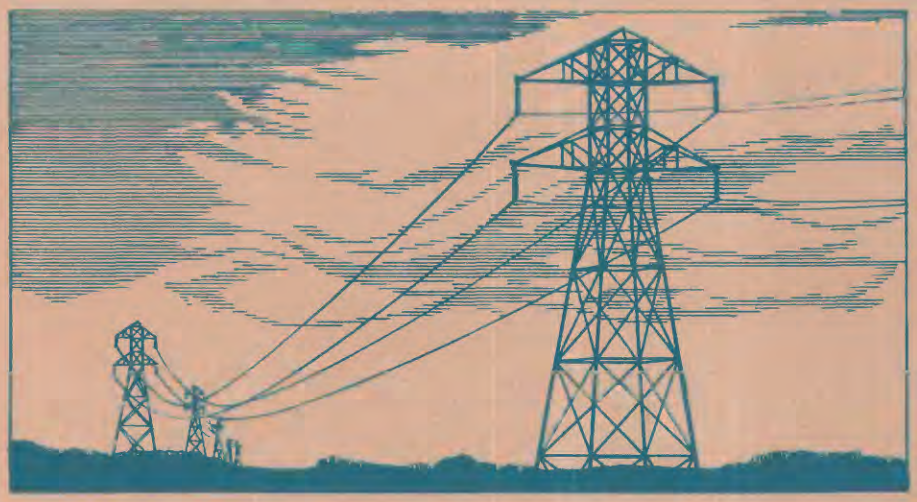
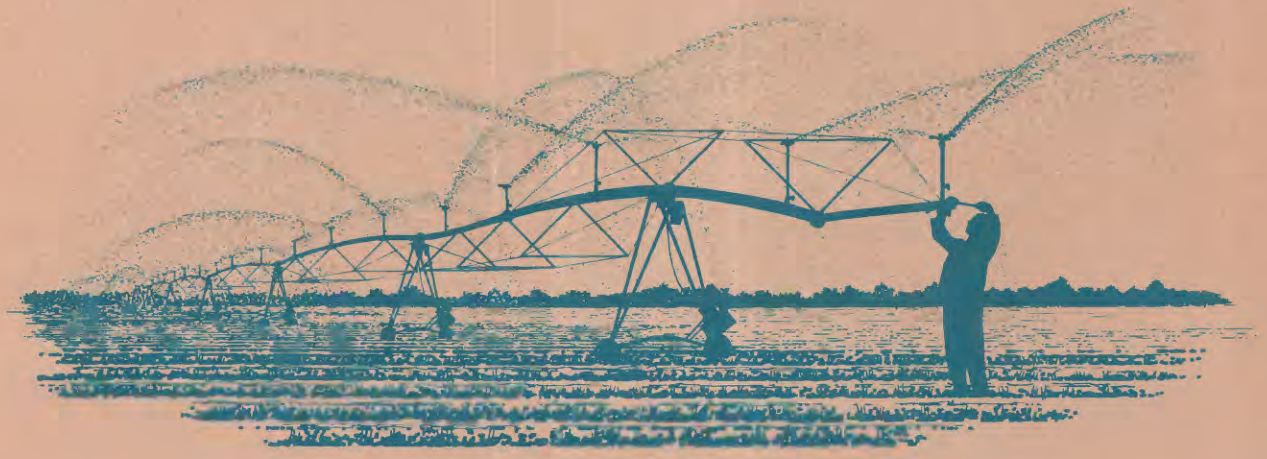
STEINKAMPF

SOURCE, USE, AND DISPOSITION OF WATER IN FLORIDA, 1975



U.S. GEOLOGICAL SURVEY

Water-Resources Investigation 78-17



Prepared in cooperation with
FLORIDA STATE DEPARTMENT OF ENVIRONMENTAL REGULATION,
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT,
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT,
SOUTH FLORIDA WATER MANAGEMENT DISTRICT,
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT,
SUWANNEE RIVER WATER MANAGEMENT DISTRICT

BIBLIOGRAPHIC DATA SHEET	1. Report No.	2.	3. Recipient's Accession No.

4. Title and Subtitle

SOURCE, USE, AND DISPOSITION OF WATER IN FLORIDA, 1975

5. Report Date: April 1978

6.

7. Author(s): S. D. Leach

8. Performing Organization Rept. No. USGS/WRI 78-17

9. Performing Organization Name and Address
U.S. Geological Survey, Water Resources Division
Suite F-240
325 John Knox Road
Tallahassee, Florida 32303

10. Project/Task/Work Unit No.

11. Contract/Grant No.

12. Sponsoring Organization Name and Address
U.S. Geological Survey, Water Resources Division
Suite F-240
325 John Knox Road
Tallahassee, Florida 32303

13. Type of Report & Period Covered

14.

15. Supplementary Notes: Prepared in cooperation with Fl. State Dept of Env. Reg., NW Fl. Wtr. Management Dist., St. Johns River WMD, So. Fl. WMD, SW Fl. WMD, and Suwannee River WMD.

16. Abstracts: The average daily water used in Florida during 1975 (18,420 million gallons) was an increase of 3,107 million gallons per day since 1970. The 1975 daily total was made up of 11,502 million gallons of saline water and 6,918 million gallons of freshwater.

How was the water used in 1975? Virtually all the saline water was used for thermoelectric power generation. The largest user of the freshwater in Florida was for irrigation--2,868 million gallons each day on the average. The remaining use of freshwater, in million gallons per day, amounted to 1,698 for thermoelectric power generation; 1,146 for public supply; 940 for industrial use other than thermoelectric power generation; and 266 on the average, for rural domestic and livestock use.

17. Key Words and Document Analysis. 17a. Descriptors

Florida, Water use, Water utilization, Water works, Water-sheds, Agriculture, Areal hydrogeology, Consumptive use, Freshwater, Ground water, Hydrology, Industrial water, Irrigation, Irrigation water, Acreage, Basins, S line water, Supply, Surface water, Water.

17b. Identifiers/Open-Ended Terms

Florida

17c. COSATI Field/Group

18. Availability Statement	19. Security Class (This Report)	21. No. of Pages
No restriction on distribution.	UNCLASSIFIED	96
	20. Security Class (This Page) UNCLASSIFIED	22. Price

SOURCE, USE, AND DISPOSITION OF WATER IN FLORIDA, 1975

By S. D. Leach

U.S. GEOLOGICAL SURVEY

Water-Resources Investigation 78-17

Prepared in cooperation with

FLORIDA STATE DEPARTMENT OF ENVIRONMENTAL REGULATION,
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT,
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT,
SOUTH FLORIDA WATER MANAGEMENT DISTRICT,
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT,
SUWANNEE RIVER WATER MANAGEMENT DISTRICT

APRIL 1978

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

For additional information write to:

U.S. Geological Survey
325 John Knox Road
Suite F-240
Tallahassee, Florida 32303

CONTENTS

ILLUSTRATIONS

TABLES

TABLES (continued)

SOURCE, USE, AND DISPOSITION OF WATER IN FLORIDA, 1975

By
S. D. Leach

ABSTRACT

On the average, 18,420 million gallons of water was withdrawn for use in Florida each day in 1975--an increase of 3,107 million gallons per day rate since 1970. The 1975 daily total was made up of 11,502 million gallons of saline water and 6,918 million gallons of freshwater. The saline water supply, largely surface water, was pumped from tidal estuaries. Only 95.3 million gallons per day--less than 1 percent--was obtained from wells. The freshwater supply was almost equally divided between surface water (52 percent) and ground water (48 percent).

How was the water used in 1975? Virtually all the saline water was used for thermoelectric power generation. Only 63 million gallons of saline water was used each day for all other industrial purposes. The largest user of the freshwater in Florida was for irrigation--2,868 million gallons each day on the average. The remaining use of freshwater amounted to 1,698 million gallons per day for thermoelectric power generation; 1,146 million gallons per day for public supply; 940 million gallons per day for industrial use other than thermoelectric power generation; and 266 million gallons each day, on the average, for rural domestic and livestock use.

Irrigation, the largest user of freshwater, also is responsible for the greatest consumption, 1,332 million gallons each day or about half the water applied. Included in the quantity of water consumed by irrigation is that part of the conveyance loss made up of evapotranspiration--estimated at 109 million gallons per day. The remainder of the conveyance loss is returned to the ground water reservoir for reuse by seepage from the canals.

INTRODUCTION

From 1970 to 1975 the average amount of freshwater available for man's use in Florida remained relatively unchanged while the population increased by almost 1.7 million. Because of this increase--almost equally divided between incorporated and unincorporated areas of the state--262 Mgal/d (million gallons per day) more water was pumped for municipal water use (public supplies) in 1975 than in 1970, an increase of almost 30 percent. The overall increase in demand for freshwater for public-supply, rural, industrial, irrigation, and thermoelectric use accentuated the value of an annual assessment of the source, use, and disposition of water in Florida. This annual assessment will not only show changes in quantities of water used but will also indicate trends in use and will provide the basic data required for establishing water

budgets and developing water-use plans and for hydrologic-systems appraisals. For future planning to be realistic, estimates of future water requirements based on historical record and current information should be available.

This study is the second in a series and the forerunner of a continuous water-source, use, and disposition-assessment program. The general organization of the first study, by Pride (1973), has been used in this study and parts of the text and figures in the report resulting from that study have been updated to reflect 1975 conditions.

Presented in this report are data on the purpose for which the water is used, the source of water, and the quantities used for each purpose. Each type of use has a different effect on the available supply and on the remaining supply. For example, only about 2 percent of the freshwater used for thermoelectric cooling, which is subject to heat pollution, is consumed. Irrigation, on the other hand, is by far the largest user of freshwater; consumptive use and conveyance loss exceed all other water losses in the state. Freshwater used for irrigation and returned to the system is subject to pollution by pesticides and fertilizers, which further contribute to water losses. Water used by industry picks up pollutants of various types depending on the product manufactured. However, when compared to all other uses industry consumes only a small amount of water.

Water data for this report are presented by principal use and by source for each of the 67 counties in Florida, by the five Water Management Districts, and by hydrologic unit subregions which make up the eight major drainage basins in the state. The map showing the locations of the five Water Management Districts is shown in figure 10, and the map of the eight major hydrologic subregions, in figure 11. Data for Water Management Districts and hydrologic unit subregions are given in summary data A and B.

Information concerning nonwithdrawal uses, which include hydroelectric power generation, navigation, water-based recreation, propagation of fish and wildlife, and dilution and conveyance of sewage and other liquid and solid wastes, was not collected.

Increase in use of freshwater throughout the state will place a heavy burden on both management and conservation agencies if the available water supplies are to be effectively developed. Management practices might well include: Development of reliable methods to increase the capacity of the aquifer to store freshwater by artificially recharging the aquifer; more effective reuse of the freshwater supply; lessening consumptive use for irrigation by reducing evaporation and conveyance losses from water used; encouraging the use of saline water for cooling for thermoelectric power generation; and augmenting public supplies by the use of desalination processes for some types of industrial pro-

cessing and for other uses. The conservation of freshwater is already evident in thermoelectric power generation: The average annual generation of power has increased from 57,260 KWH x 10^6 (kilowatt hours) in 1970 to 81,102 KWH x 10^6 in 1975, or an increase of almost 42 percent. However, the use of freshwater by power generating plants increased less than 0.5 percent while the use of saltwater increased by 22 percent.

Previous Investigations

The U.S. Geological Survey started a nationwide compilation of water-use data in 1950, and continued the computations at 5-year intervals. The results for 1950, 1955, 1960, 1965, and 1970 are contained in reports by MacKichan (1951, 1957); MacKichan and Kammerer (1961); Murray (1968); and Murray and Reeves (1972). These reports contain estimates of water use by categories for each state but contain no information for smaller subareas such as counties. The earliest documentation of water use on a county-by-county basis in Florida was made in 1956 by the Florida Water Resources Study Commission. The results of the investigation were forwarded to the Governor of Florida and the 1957 Legislature.

A water-use inventory of southwest Florida was made in 1962 by the Florida Division of Water Resources and was published in their report on land and water resources (1966). Snell and Anderson (1970) compiled water-use data for northeast Florida for 1965. These data were included in the water and related land resources report of the St. Johns River basin by the Florida Department of Natural Resources (1970). Additional Florida water-use data reports by the U.S. Geological Survey include: 1965 water-use data for Florida, a map report, (Pride, 1970); Estimated use of water in Florida, 1970 (Pride, 1973); Public water supplies of selected municipalities in Florida, 1970 (Healy, 1972), and Public water supplies of selected municipalities in Florida 1975 (Healy, 1977).

Present Investigation

This report documents the results of the 1975 Florida water assessment made by personnel of the five Water Management Districts in a joint effort with U.S. Geological Survey personnel. The study was made as part of a statewide cooperative program with the Florida State Department of Environmental Regulation, Northwest Florida Water Management District, South Florida Water Management District, Southwest Florida Water Management District, St. Johns River Water Management District, and the Suwannee River Water management District.

The water-use data--the quantity of water diverted for use and consumed in Florida--obtained from many sources during the investigation, are presented in this report by the following categories: Public supply,

rural domestic and livestock, self-supplied industrial, irrigation, and thermoelectric power generation. The water-use data in this report are further categorized by county, by Water Management District, and by hydrologic subregion.

Included in the category "thermoelectric power generation" is a listing of the quantities of water that are used for cooling in steam plants where the energy from fossil or nuclear fuels is converted to electrical energy. One hydroelectric plant in Florida is located on the Apalachicola River near Chattahoochee. Because hydroelectric power generation is considered a nonwithdrawal use, the water that flows through this plant, 10,336 Mgal/d in 1975, was not considered in the compilation of data in this report.

The statewide source of water, both surface and ground, municipal, rural, industrial, irrigation, and thermoelectric use and the disposition of the water used are given in figure 1. This figure effectively portrays the statewide water use. For example, let us follow one of the sources through use to disposition. First, surface-water source represents 52 percent of the statewide use of 3,600 Mgal/d, of which 45.3 percent is pumped for irrigation use. Irrigation receives 56.6 percent of its freshwater from the surface water source. Irrigation uses 2,868 Mgal/d or 41 percent of the statewide use, 46.5 percent of irrigation water is consumed, and 7.6 percent is lost to conveyance (about one half of conveyance is evaporated) the remainder is returned to the system for reuse. Irrigation contributes 30.1 percent of the 4,398 Mgal/d of all freshwater that is returned for reuse.

Acknowledgments

Grateful acknowledgments are extended to the county utilities and municipal water department officials and representatives of private utility companies for their assistance in supplying and verifying records of water use and other information on their water- and sewage-treatment plants. Also, thanks are extended to county agricultural agents for supplying records on type of crops, acreage, and the amount of irrigation for their county, to the managers of industrial and thermoelectric power plants, and to other county, state, and federal agencies furnishing data pertinent to this report.

Special thanks are extended to the many individuals in the five Water Management Districts who participated in the joint effort with their U.S. Geological Survey counterparts in the statewide water-use assessment to obtain the best water-use data available.

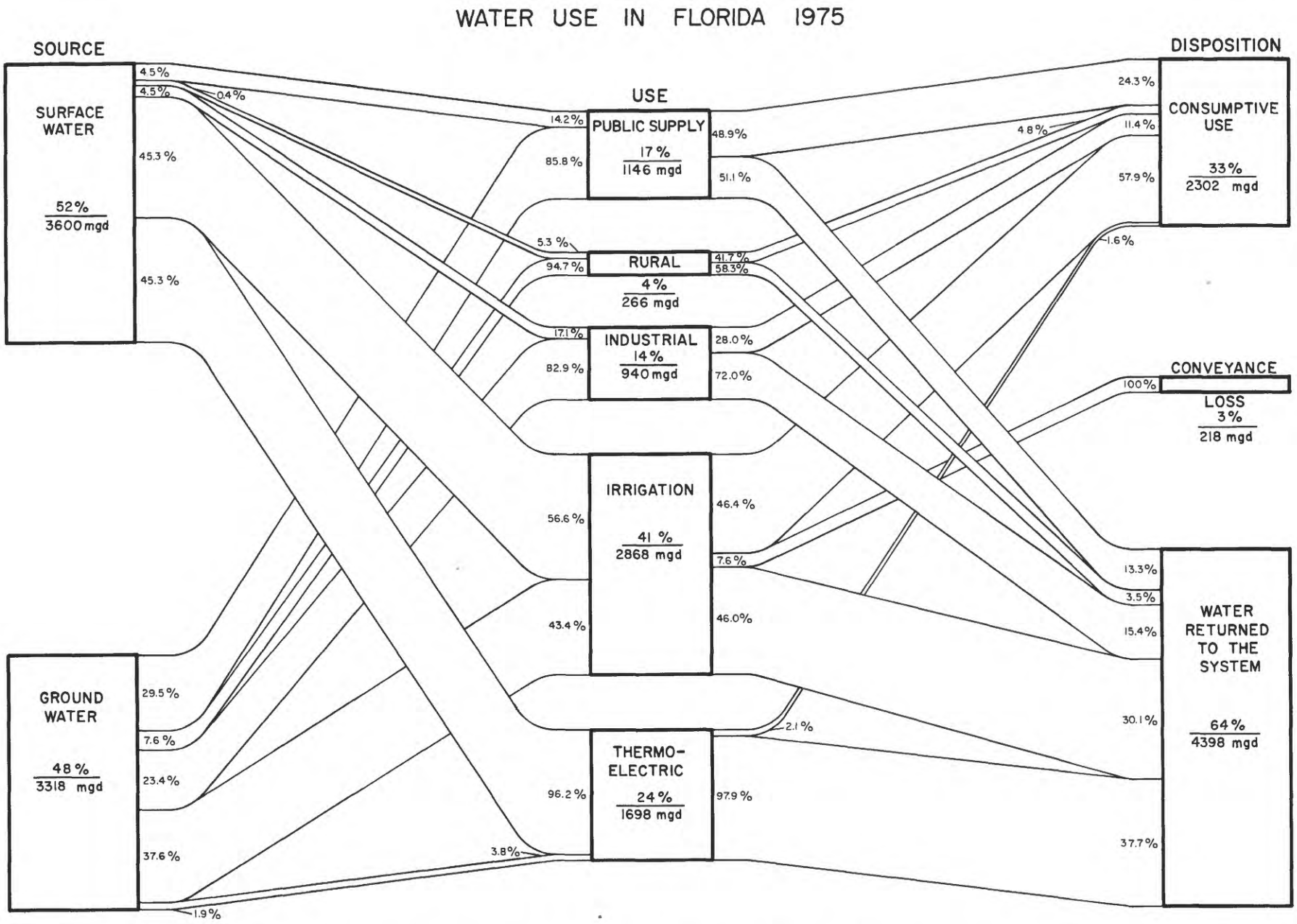


Figure 1.--Source, use, and disposition of 6,918 Mgal/d of freshwater and percent of use, 1975.

Terminology

When the term "water use" appears in this report, withdrawal use (the amount of water withdrawn from its source) is implied; this is equivalent to "intake" or "water diversion," as used in industry and agriculture, respectively. Water diverted from a source for agriculture is generally more than that delivered or conveyed to the crops because of "conveyance losses" and may be more or less than the optimum amount required by a crop. No attempt has been made in this report to determine how much of the conveyance loss returns to the hydrologic system for further use or how much is consumed (evaporated). If water is reused it will do the work of a greater quantity of water. The amount of this greater quantity, which is commonly called the "gross water use," is not evaluated in this report. If, however, the water is returned to a stream, lake, aquifer, or other source and then withdrawn anew, the summation of successive withdrawals gives the total withdrawal use.

The terms "water consumed," "consumptive use," or "consumption," as used in this report, refer to that part of the water withdrawn that is no longer available because it has been evaporated, has been incorporated into products and crops, consumed by man or livestock, or otherwise removed from the water environment. Water that is discharged into saltwater bodies after being used and is not recoverable from a practical standpoint is not classed as consumed. Water containing more than 1,000 mg/L of dissolved solids is classed as "saline" irrespective of the nature of the minerals present of their source.

A municipal water supply or a water utility that serves the public is classed as a "public supply." If public supply either is not available to individual families and small communities or if available is not used by them the water used is self-supplied and categorized as "rural" or "rural supply" whether or not the users live within the city limits. The term "nonwithdrawal uses" refer to water that is used while within recognized stream channels. Some nonwithdrawal uses are hydroelectric power generation, navigation, sport fishing, freshwater discharge into estuaries to maintain proper salinity, and the disposition and dilution of waste water.

In this report, water-use data are expressed in millions of gallons per day. They represent average daily use for the year because they have been derived from annual quantities. For irrigation, the average use is also expressed in units of 1,000 acre-feet per year. An acre-foot of water is the amount required to cover an acre (43,560 square feet) to a depth of 1 foot. Therefore an acre-foot of water equals 325,851 gallons. One million gallons per day is 3.07 acre-feet per day. One thousand acre-feet is nearly equal to a flow of a million gallons per day for a year (1,000 acre-feet per year equals 0.89 Mgal/d). Common equivalents of these and other units are given in table 1.

Table 1.--Hydraulic equivalents.

Million gallons per day (Mgal/d)	Billion gallons per day (Bgal/d)	Thousand acre-feet per year	Thousand cubic feet per second	Thousand gallons per minute	Million cubic meters per day
1.0	0.001	1.12	0.00155	0.694	0.00379
1,000	1.0	1,120	1.55	694	3.79
.893	.000893	1.0	.00138	.620	.00338
646	.646	724	1.0	449	2.45
1.44	.00144	1.61	.00223	1.0	.00545
264	.264	296	.409	184	1.0

WATER USE BY COUNTIES

Included in the county-by-county public supply section is the amount of water pumped by public water suppliers for agriculture, industry, commercial, and air conditioning. The amount of water consumed for all public supplies is also included. The quantity of water computed by subtracting the amount consumed from the total amount withdrawn for each county indicates the amount returned to the system for possible reuse. The quantity of water for reuse ranges from 108.7 Mgal/d in Dade County to 8.53 Mgal/d in Pinellas County for public supplies in seven counties supplying over 50 Mgal/d or 69 percent of the total statewide public supply.

This report also represents information on the total quantity of water withdrawn by counties for both domestic (self-supplied) and livestock--the so-called "rural category" includes the total number of people who live in each county that supply their own water. The domestic self-supplied population was computed by subtracting the number of people on public supply in each county from the total number of people in the county.

Domestic water use was then computed by comparison of per capita use for each area of the state. Water used by livestock was computed by a livestock head count for each county times a fixed amount for each head. Consumptive water use for the rural community was generally high due to almost 100 percent consumption for livestock, but this percentage was lowered to about 42 percent to allow for the majority of the self-supplied population who use septic tanks which return a large portion of the water withdrawn back to the system. Nineteen counties withdraw 65 percent of the total statewide rural supply; forty-eight of the counties use less than 5 Mgal/d.

Industrial self-supplied water use was computed from a county-by-county canvass of 296 industries. Infomation is presented in this report on the amounts of fresh and saline water withdrawn by industry as well as the total amount consumed, for each county. Also included, by counties, are the total amounts of water used for lime rock mining, pulp and paper processing, chemical products, phosphate mining, citrus processing, food processing, air conditioning and all other uses. Industry in 18 counties withdraw 877 Mgal/d or 93 percent of the total freshwater used for industrial supply, and 49 counties used less than 10 Mgal/d. Polk County has the largest withdrawal of 272 Mgal/d, and 9 counties reported no industrial use.

In 1975 the total area irrigated for citrus was 564,829 acres; truck farming, 317,716 acres; pasture lands 537,600 acres; sugar cane, 289,000 acres; tobacco, 11,430 acres; corn, 23,585 acres; watermelons, 25,845 acres; and 71,328 acres for all other types of crops. Also in 1975, the total acreage for all other crops included nurseries and golf courses, for a total irrigated area of 1,841,333 areas.

In each of 17 counties, pumpage for irrigation was greater than 50 Mgal/d, representing an aggregate use of 2,493 Mgal/d or 87 percent of all the water used statewide for irrigation.

In the section of this report that lists the quantities of water used for irrigation by county, the data are shown in terms of acre feet per year and million gallons per day. Of all the water used for irrigation, surface water supplies 57 percent and ground water supplies 43 percent. Conveyance loss amounts to 7 percent of the total water used.

Also presented in this report are water-use data for 47 thermoelectric power generating plants. Included are the amounts of fresh and saline water used by power generating plants in each county for cooling water and all other uses. The amount of water consumed, both fresh and saline, was computed and reported separately for each county. Also included is the average annual generation in millions of kilowatt hours for each county where electrical power is generated. In 1975, a statewide total of 81.1 billion kilowatt hours were generated.

The supplementary data include county-by-county water-use data for the five Water Management District and the eight hydrologic subregions of the state. Categorizing water-use data--such as water withdrawn, water consumed, and water returned--both by Water Management District and by subregion is important: Water-use data used in conjunction with other hydrologic data should aid the Water Management Districts in evaluating the water resource in connection with their well permitting decisions. The categorizing of water use by subregion is a necessary adjunct to any type of budget study being undertaken on a basin basis.

Public Supply

Source and Reliability of Data

The data for public-supply systems in 1975 was furnished by water department officials. Most of these utilities systems maintain adequate records of water pumped from the source or delivered to customers. The data from these systems is considered reliable. Some of the smaller utility companies do not maintain records of pumpage records. For these systems the amount of water used during 1975 was estimated on the basis of the number of customers served. In all, water-use information was obtained from 710 county, municipal, and private utilities systems of which the largest is Miami Dade Water and Sewer Authority serving more than 1.12 million people, and the smallest are private systems that serve less than 100 people. The total public supply water use for each county is shown in table 2 and figure 2.

Water Withdrawn

The average quantity of water withdrawn each day in Florida by public supplies in 1975 was estimated to be 1,146 Mgal/d, an increase of 262 Mgal/d since 1970. Of this quantity, 86 percent was ground water while the remaining 14 percent was surface water, from lakes, streams, and reservoirs. The population of the state increased from 6,791,418 in 1970 (U.S. Department of Commerce, 1971), to 8,485,230 (estimated by the Bureau of Economic and Business Research, Division of Population Studies) as of July 1, 1975. This increase in population of 1,693,812 over the 5-year period added 1.4 million people to the number served by public water suppliers in 1970. Of all the water pumped, 924 Mgal/d was from public supplies--an increase of 206 Mgal/d during the last 5 years. The other uses of public water supplies--in addition to the general use of public water supply for domestic purposes--were as follows: 24.7 Mgal/d for agriculture, 165 Mgal/d for commercial and industrial use, and 33 Mgal/d for air conditioning.

The average per capita public supply system was 168 gal/d. Considering only that part of public supply water that was used for domestic purposes, the average per capita use was 135 gal/d--only a 3 gal/d increase over the per capita use in 1970. The per capita use in Bay and Nassau Counties are high because water for industrial use supplied from a municipal source is included in the total municipal pumpage.

Consumptive Use

The amount of public supply water that is consumed is considered to be the difference between water withdrawn from the source and the effluent discharge from the sewage treatment plant. This relationship is true if there are no leaks into or out of the sewers, no industries discharging self-supplied water to the sewers, and no extensive use of septic tanks in areas served from the public supplies. Only a few cities measure the effluent from their sewage treatment plants and generally sewage discharge must be estimated to compute the consumption. These estimates are based on knowledge obtained from similar systems serving about the same number of people and other commercial uses.

The percent consumed varies from city to city because of the type of waste discharge and the percentage of the public supply that is used for commercial uses. Some industries consumed almost 100 percent of their water in products that are carried away while others return almost all the water to the system for reuse.

Available Water Use Information

In the collection of water use data from 710 systems throughout the state for this study much information was collected that is not published as part of this report. However, the data are available in

APALACHICOLA

County: Franklin **Population served:** 3,200
River basin: Apalachicola River (13 00 11)

Ownership of supply or system: Municipal
Source of water: Ground water, Floridan aquifer; 2 wells 275 to 350 feet deep; yield 200 to 700 gal/min

Rated plant capacity: 0.936 Mgal/d
Pumpage: Year—167.89 Mgal **Average daily**— 0.46[a/] Mgal
Highest month: July, 16.47 Mgal **Lowest month:** February, 9.36 Mgal

Per capita use: 144 gal/d
Finished-water storage: 0.3 Mgal
Treatment: Aeration, chlorination

Type/Frequency of analysis: Bacteriological/monthly

Sewage discharge: 0.50 Mgal/d
Sewage treatment: Secondary

Waste discharged to: Cool Springs, Scipio Creek, Apalachicola River

Remarks: City also supplies water to areas adjacent to city. Average daily pumpage increase from 0.20 Mgal/d in 1956 to 0.46 Mgal/d in 1975.
a/ Includes 0.138 Mgal/d commercial use.

CHEMICAL ANALYSIS [1/] **(milligrams per liter except as indicated)**

ANALYSIS BY: U.S. Geological Survey. **COLLECTION DATE:** 6-24-75
SAMPLING POINT: 294339084591901

Silica (SiO_2)	23	Dissolved solids (residue at 180°C)	760
Calcium (Ca)	74	Total hardness (as $CaCO_3$)	440
Magnesium (Mg)	60	Noncarbonate hardness (as $CaCO_3$)	170
Sodium (Na)	65	Alkalinity (as $CaCO_3$)	280
Potassium (K)	8	pH (units)	7.6
Strontium (Sr)	9.5	Specific conductance (μmhos/cm at 25°C)	1190
Bicarbonate (HCO_3)	337	Color (Pt-Co units)	5
Sulfate (SO_4)	170	Temperature (°C)	24
Chloride (Cl)	120	Turbidity (JTU)	2
Fluoride (F)	1.2	Carbon, organic, total (C)	1
Nitrate (NO_3-N)	.01	Orthophosphate total (PO_4-P)	.02
Nitrite (NO_2-N)	.01		
Nitrogen, organic (N)	.06		
Nitrogen (ammonia, total (NH_4-N))	.34		
Iron (Fe)	.01		
Phosphorus, total (P)	.2		

1/ Analysis of raw water unless otherwise noted.

TABLE 2.-- PUBLIC SUPPLY WATER USE IN FLORIDA

BY COUNTIES, 1975

COUNTY	POPULATION (THSNDS)			POPULATION SERVED (THSNDS)			WATER WITHDRAWN (MGD)			PER	WATER DELIVERED (MGD) BY USES					WATER CONSUMED
	TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL	CAP	PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	(MGD)
ALACHUA	130.8	86.3	44.5	90.7	0.0	90.7	14.90	0.0	14.90	164	14.90	0.0	0.0	0.0	0.0	5.82
BAKER	12.3	4.0	8.3	4.1	0.0	4.1	0.54	0.0	0.54	132	0.46	0.0	0.0	0.08	0.0	0.49
BAY	91.6	65.3	26.3	17.7	65.0	82.7	1.95	32.59	34.54	418	7.84	0.0	25.56	1.14	0.0	12.49
BRADFORD	16.3	6.7	9.6	8.3	0.0	8.3	0.83	0.0	0.83	100	0.67	0.0	0.0	0.16	0.0	0.0
BREVARD	252.0	157.1	94.9	134.9	90.0	224.9	A/18.22	8.90	A/27.12	121	27.12	0.0	0.0	0.0	0.0	8.85
BROWARD	876.3	730.8	145.5	812.0	0.0	812.0	139.78	0.0	139.78	172	102.66	20.71	5.12	8.70	2.58	80.91
CALHOUN	8.3	3.0	5.3	3.0	0.0	3.0	0.28	0.0	0.28	93	0.21	0.0	0.0	0.07	0.0	0.05
CHARLOTTE	42.2	6.1	36.1	1.7	30.3	32.0	0.18	3.90	4.08	128	3.63	0.0	0.0	0.45	0.0	2.15
CITRUS	35.3	5.7	29.6	5.5	0.0	5.5	0.59	0.0	0.59	107	0.40	0.0	0.0	0.19	0.0	0.14
CLAY	47.7	16.7	31.0	29.7	0.0	29.7	5.01	0.0	5.01	169	4.65	0.0	0.06	0.22	0.08	0.81
COLLIER	62.7	17.7	45.0	52.4	0.0	52.4	11.93	0.0	11.93	228	9.35	2.28	0.10	0.10	0.10	7.43
COLUMBIA	28.8	11.5	17.3	15.9	0.0	15.9	1.70	0.0	1.70	107	1.04	0.0	0.17	0.41	0.08	0.67
DADE	B/1638.0	803.5	834.5	1546.4	0.0	1546.4	C/264.55	0.0	C/264.55	171	221.28	0.0	12.44	20.96	9.87	155.89
DESOTO	18.2	6.1	12.1	7.0	0.0	7.0	0.76	0.0	0.76	109	0.68	0.0	0.05	0.03	0.0	0.38
DIXIE	6.6	2.5	4.1	3.8	0.0	3.8	0.42	0.0	0.42	111	0.40	0.0	0.0	0.02	0.0	0.07
DUVAL	578.3	578.3	0.0	523.7	0.0	523.7	95.42	0.0	95.42	182	69.46	0.0	7.54	13.20	5.22	29.90
ESCAMBIA	224.9	67.2	157.7	192.1	0.0	192.1	27.46	0.34	27.80	145	19.43	0.06	0.0	8.31	0.0	5.51
FLAGLER	6.6	3.5	3.1	6.0	0.0	6.0	0.62	0.0	0.62	103	0.62	0.0	0.0	0.0	0.0	0.26
FRANKLIN	7.9	4.3	3.6	6.7	0.0	6.7	0.99	0.0	0.99	148	0.72	0.0	0.06	0.22	0.0	0.69
GADSDEN	39.1	18.6	20.5	8.5	10.9	19.4	0.96	1.18	2.14	110	1.97	0.0	0.0	0.17	0.0	1.09
GILCHRIST	5.1	1.7	3.4	1.5	0.0	1.5	0.38	0.0	0.38	253	0.38	0.0	0.0	0.0	0.0	0.09
GLADES	5.1	1.2	3.9	1.2	0.0	1.2	0.20	0.0	0.20	167	0.18	0.0	0.0	0.02	0.0	0.04
GULF	10.9	6.7	4.2	1.9	4.7	6.6	0.11	0.64	0.75	114	0.47	0.0	0.26	0.01	0.0	0.15
HAMILTON	8.6	3.8	4.8	5.9	0.0	5.9	0.60	0.0	0.60	102	0.53	0.0	0.02	0.05	0.0	0.13
HARDEE	18.5	7.0	11.5	6.9	0.0	6.9	1.20	0.0	1.20	174	1.20	0.0	0.0	0.0	0.0	0.20
HENDRY	15.9	7.3	8.6	3.2	6.9	10.1	0.25	1.80	2.05	203	1.42	0.0	0.63	0.0	0.0	1.83
HERNANDO	28.5	4.8	23.7	5.0	0.0	5.0	0.75	0.0	0.75	150	0.75	0.0	0.0	0.0	0.0	0.19
HIGHLANDS	42.8	17.1	25.7	24.4	0.0	24.4	4.26	0.0	4.26	175	3.84	0.0	0.05	0.36	0.0	2.50
HILLSBOROUGH	605.6	318.6	287.0	53.6	350.0	403.6	D/7.17	52.70	D/ 59.87	148	55.14	0.0	3.61	0.80	0.32	8.55
HOLMES	12.5	3.4	9.1	4.0	0.0	4.0	0.20	0.0	0.20	50	0.14	0.0	0.03	0.03	0.0	0.14
INDIAN RIVER	46.3	18.1	28.2	18.6	0.0	18.6	4.49	0.0	4.49	241	3.81	0.0	0.28	0.40	0.0	1.79
JACKSON	41.2	16.3	24.9	16.8	0.0	16.8	1.77	0.01	1.78	106	1.30	0.0	0.16	0.31	0.01	0.75
JEFFERSON	9.4	2.5	6.9	3.0	0.0	3.0	0.44	0.0	0.44	147	0.38	0.02	0.0	0.04	0.0	0.14
LAFAYETTE	3.1	0.8	2.3	1.0	0.0	1.0	0.14	0.0	0.14	140	0.08	0.0	0.0	0.03	0.03	0.03
LAKE	86.7	45.8	40.9	50.5	0.0	50.5	9.85	0.0	9.85	195	7.09	0.0	0.36	2.39	0.0	4.00
LEE	156.5	58.2	98.3	112.8	35.0	147.8	9.97	6.85	16.82	114	14.60	0.0	1.08	1.14	0.0	3.44
LEON	133.2	86.4	46.8	101.2	0.4	101.6	15.83	0.0	15.83	156	12.96	0.0	0.0	2.87	0.0	3.89
LEVY	15.6	7.6	8.0	7.0	0.0	7.0	0.98	0.0	0.98	140	0.98	0.0	0.0	0.0	0.0	0.23
LIBERTY	3.9	0.7	3.2	1.5	0.0	1.5	0.09	0.0	0.09	60	0.07	0.01	0.0	0.01	0.0	0.02
MADISON	14.4	5.4	9.0	7.0	0.0	7.0	1.09	0.0	1.09	156	0.74	0.0	0.30	0.05	0.0	0.67
MANATEE	123.5	45.0	78.5	0.0	80.0	80.0	0.0	18.91	18.91	236	12.91	0.0	6.00	0.0	0.0	11.92
MARION	93.5	5.9	87.6	37.6	0.0	37.6	6.23	0.0	6.23	166	6.11	0.0	0.09	0.02	0.0	2.99
MARTIN	47.7	10.8	36.9	23.8	0.0	23.8	5.72	0.0	5.72	240	5.42	0.0	0.15	0.15	0.0	2.60
MONROE	55.7	30.3	25.4	43.5	12.2	55.7	E/5.96	E/ 1.71	7.67	138	6.60	0.0	0.0	0.77	0.31	7.67
NASSAU	29.1	10.3	18.8	5.8	0.0	5.8	2.40	0.0	2.40	414	1.24	0.18	0.70	0.27	0.0	0.61
OKALOOSA	102.0	48.9	53.1	79.8	0.0	79.8	9.31	0.0	9.31	117	8.53	0.12	0.0	0.66	0.0	4.16
OKEECHOBEE	17.0	4.2	12.8	0.0	8.2	8.2	0.0	1.04	1.04	127	0.94	0.0	0.0	0.10	0.0	0.42
ORANGE	424.6	174.6	250.0	339.1	0.0	339.1	G/63.35	0.0	G/63.35	187	58.97	0.0	2.19	2.19	0.0	30.07

TABLE 2.-- PUBLIC SUPPLY WATER USE IN FLORIDA

BY COUNTIES, 1975 (CONTINUED)

COUNTY	POPULATION (THSNDS)			POPULATION SERVED (THSNDS)			WATER WITHDRAWN (MGD)			PER	WATER DELIVERED (MGD) BY USES					WATER
	TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL	CAP	PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	CONSUMED (MGD)
OSCEOLA	36.7	18.2	18.5	19.0	0.0	19.0	3.65	0.0	3.65	192	3.30	0.0	0.34	0.0	0.0	0.79
PALM BEACH	477.8	337.8	140.0	282.2	109.7	391.9	62.98	31.43	94.41	241	74.93	0.0	6.61	6.73	6.14	43.51
PASCO	130.2	20.6	109.6	26.3	0.0	26.3	H/ 2.96	0.0	H/ 2.96	113	2.85	0.0	0.0	0.10	0.0	1.73
PINELLAS	666.6	500.4	166.2	604.6	0.0	604.6	I/ 76.97	0.0	I/ 76.97	127	62.98	0.22	3.19	4.00	6.58	68.44
POLK	276.0	125.9	150.1	183.0	0.0	183.0	31.23	0.0	31.23	171	28.62	1.02	0.62	0.97	0.0	18.71
PUTNAM	43.5	13.6	29.9	14.9	0.0	14.9	2.58	0.0	2.58	173	2.58	0.0	0.0	0.0	0.0	0.87
ST JOHNS	40.2	14.3	25.9	21.2	0.0	21.2	2.67	0.0	2.67	126	2.49	0.0	0.18	0.0	0.0	0.17
ST LUCIE	69.1	37.1	32.0	42.5	0.0	42.5	6.14	0.0	6.14	144	5.70	0.0	0.11	0.27	0.05	2.43
SANTA ROSA	46.9	14.7	32.2	37.9	0.0	37.9	3.40	0.0	3.40	90	2.99	0.06	0.0	0.35	0.0	1.04
SARASOTA	163.2	67.7	95.5	87.0	2.9	89.9	9.33	0.98	10.31	115	7.93	0.0	0.71	0.48	1.19	2.02
SEMINOLE	136.4	68.9	67.5	63.1	0.0	63.1	10.45	0.0	10.45	166	9.40	0.0	0.0	0.92	0.13	3.13
SUMTER	20.6	6.1	14.5	7.3	0.0	7.3	0.61	0.0	0.61	84	0.53	0.0	0.0	0.08	0.0	0.12
SUWANNEE	18.9	8.1	10.8	9.1	0.0	9.1	1.13	0.0	1.13	124	0.86	0.03	0.04	0.21	0.0	0.67
TAYLOR	14.6	8.0	6.6	10.4	0.0	10.4	1.37	0.0	1.37	132	1.03	0.0	0.0	0.30	0.04	0.54
UNION	10.4	2.2	8.2	1.7	0.0	1.7	0.55	0.0	0.55	324	0.20	0.0	0.30	0.05	0.0	0.27
VOLUSIA	212.4	137.0	75.4	147.7	0.0	147.7	25.06	0.0	25.06	170	21.22	0.0	1.76	1.83	0.25	12.07
WAKULLA	8.8	0.7	8.1	4.5	0.0	4.5	0.26	0.0	0.26	58	0.26	0.0	0.0	0.0	0.0	0.06
WALTON	18.0	6.5	11.5	10.6	0.0	10.6	1.08	0.0	1.08	102	0.86	0.0	0.02	0.18	0.02	0.52
WASHINGTON	14.1	6.0	8.1	6.4	0.4	6.8	0.59	0.0	0.59	87	0.58	0.0	0.0	0.01	0.0	0.07
STATE TOTAL	B/ 8685.1	4932.1	3753.1	6006.1	806.6	6812.6	982.83	162.98	1145.81	168	923.58	24.71	80.90	83.62	33.00	559.97

A/ Includes 14.4 Mgal/d imported from Orange County.
B/ Includes an estimated 200,000 tourists in Dade County.
C/ Does not include 5.96 Mgal/d exported to Monroe County.
D/ Does not include 24.27 Mgal/d exported to Pinellas County.
E/ Imported from Dade County.
F/ Production from desalination plant at Stock Island, Florida.
G/ Does not include 14.4 Mgal/d exported to Brevard County.
H/ Does not include 15.7 Mgal/d exported to Pinellas County.
I/ Includes 24.27 Mgal/d exported from Hillsborough County and 15.7 Mgal/d exported from Pasco County.

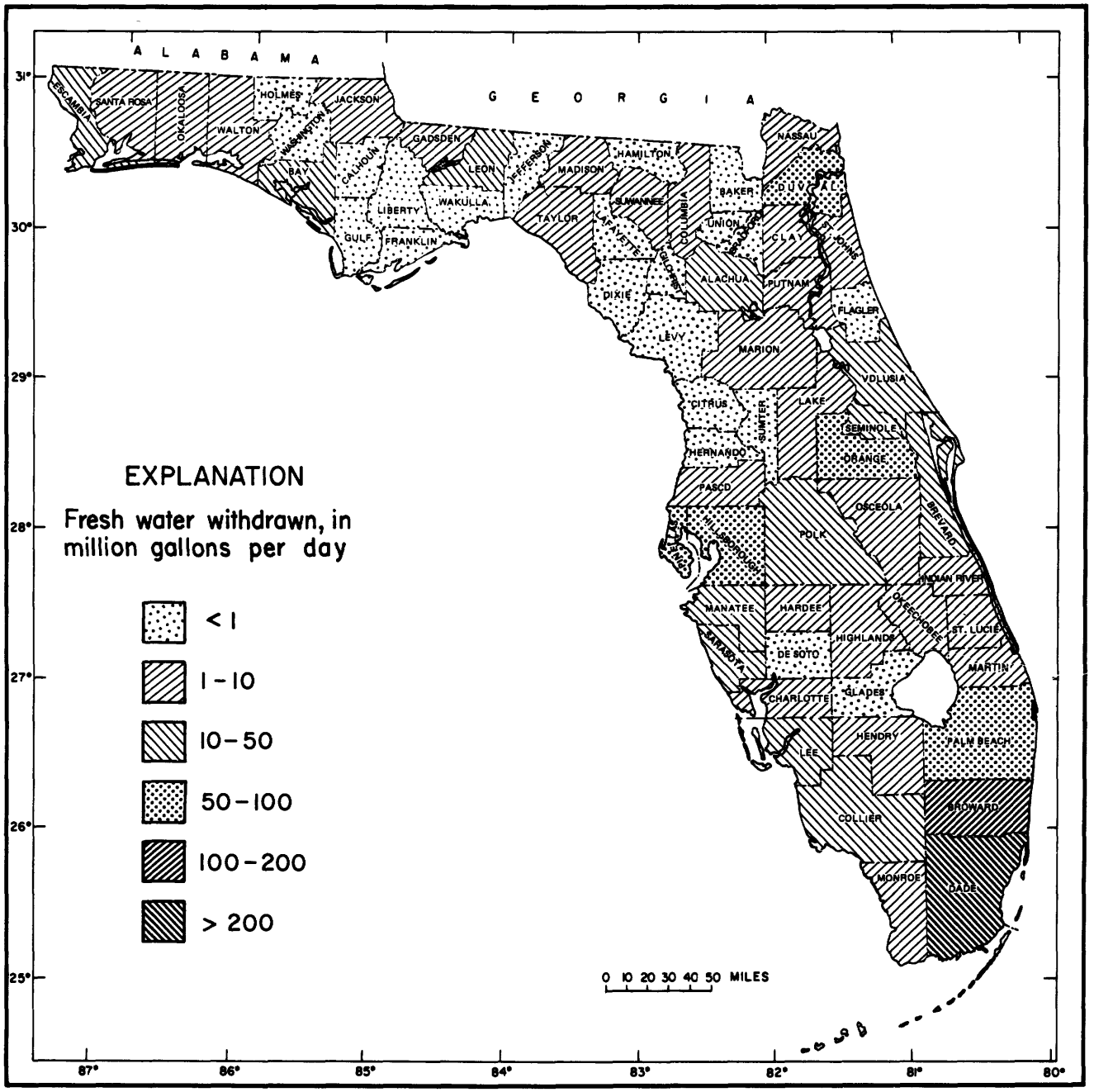


Figure 2.--Water withdrawn for public supplies by counties, 1975.

a report by Healy (1977). Healy cites water use data for 169 municipal and 5 county utility systems. The type of data available in that report are given in the sample on page 11 for the city of Apalachicola. In addition to chemical analysis of raw water pumped and the type of sewage treatment used, other information available in the report includes population serviced, ownership, source of water, pumping rates, per capita use, storage available, treatment of raw water, and discharge of waste water.

Rural Supply

As used in this report, rural supply includes both domestic and livestock water use, from individual wells or points of surface-water diversion. Even though the amount of water used by the rural community is small when compared to all other uses--it amounted to only 266 Mgal/d or less than 4 percent of the quantity of water used statewide--it increased by 36 percent during the last 5 years. Rural use estimates, by county, are presented for the first time in this report. Domestic self-supplied use and livestock use are shown separately, in table 3 and figure 3.

Domestic Use

The rural domestic self-supplied population increase from 1,379,000 in 1970 to 1,872,500 in 1975(table 2). This is an increase of 36 percent, significant because it represents a segment of the population whose water demand must be considered in all future water-use assessments.

Rural domestic use averaged 108 gal/d per person in 1975 compared to 120 gal/d in 1970 and 117 gal/d in 1965. The population served by rural supply (self-supplied) in 1975 for each county was determined to be the difference between the total population for the couty and the population served by all public supply systems within the county. The rural domestic use was computed by multiplying the total number of people in each county not served by a municipal supply system times a per capita use amount that was estimated from nearby areas where records were kept. The rural domestic per capita use ranged from about 155 gal/d in Palm Beach County to 66 gal/d in Jefferson County. Rural water use per person tends to be larger in the more developed counties especially in south Florida where lawn sprinkling is prevalent. The majority of the rural population use septic tanks for their waste disposal, and the consumptive use is low.

Livestock

Water use for livestock was estimated on the basis of a fixed amount of water use per head, for each kind of animal. For example,

TABLE 3.-- RURAL WATER USE IN FLORIDA

BY COUNTIES, 1975

COUNTY	SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE(MGD) WITHDRAWN SW	DOMESTIC USE(MGD) WITHDRAWN GW	DOMESTIC USE(MGD) WITHDRAWN ALL WATER	DOMESTIC USE(MGD) CONSUMED	LIVESTOCK USE(MGD) WITHDRAWN SW	LIVESTOCK USE(MGD) WITHDRAWN GW	LIVESTOCK USE(MGD) WITHDRAWN ALL WATER	LIVESTOCK USE(MGD) CONSUMED	ALL USES(MGD) WITHDRAWN SW	ALL USES(MGD) WITHDRAWN GW	ALL USES(MGD) WITHDRAWN ALL WATER	ALL USES(MGD) CONSUMED
ALACHUA	40.1	0.0	3.81	3.81	1.90	0.60	0.60	1.20	1.20	0.60	4.41	5.01	3.10
BAKER	8.2	0.0	0.82	0.82	0.0	0.05	0.88	0.93	0.76	0.05	1.70	1.75	0.76
BAY	8.9	0.0	0.89	0.89	0.18	0.16	0.07	0.23	0.23	0.16	0.96	1.12	0.41
BRADFORD	8.0	0.0	0.96	0.96	0.68	0.08	0.04	0.12	0.12	0.08	1.00	1.08	0.80
BREVARD	27.1	0.0	2.70	2.70	0.90	0.20	3.20	3.40	3.40	0.20	5.90	6.10	4.30
BROWARD	64.3	0.0	8.16	8.16	1.63	0.40	0.05	0.45	0.45	0.40	8.21	8.61	2.08
CALHOUN	5.3	0.01	0.50	0.51	0.41	0.11	0.03	0.14	0.14	0.12	0.53	0.65	0.55
CHARLOTTE	10.2	0.0	1.17	1.17	0.24	0.0	0.34	0.34	0.34	0.0	1.51	1.51	0.58
CITRUS	29.8	0.0	3.24	3.24	0.32	0.0	0.14	0.14	0.14	0.0	3.38	3.38	0.46
CLAY	18.0	0.0	1.81	1.81	0.36	0.0	0.47	0.47	0.47	0.0	2.28	2.28	0.83
COLLIER	10.3	0.75	0.40	1.15	0.23	0.0	0.25	0.25	0.25	0.75	0.65	1.40	0.48
COLUMBIA	12.9	0.0	1.33	1.33	1.06	0.17	0.27	0.44	0.44	0.17	1.60	1.77	1.50
DADE	91.6	0.0	9.50	9.50	1.90	0.0	0.15	0.15	0.15	0.0	9.65	9.65	2.05
DESOTO	11.2	0.0	1.12	1.12	0.11	0.0	2.93	2.93	2.93	0.0	4.05	4.05	3.04
DIXIE	2.8	0.0	0.29	0.29	0.06	0.03	0.32	0.35	0.13	0.03	0.61	0.64	0.19
DUVAL	54.6	0.0	7.27	7.27	1.45	0.0	0.53	0.53	0.53	0.0	7.80	7.80	1.98
ESCAMBIA	32.8	0.0	3.28	3.28	0.60	0.17	3.02	3.19	3.19	0.17	6.30	6.47	3.79
FLAGLER	0.6	0.0	0.09	0.09	0.02	0.0	0.29	0.29	0.29	0.0	0.38	0.38	0.31
FRANKLIN	1.2	0.0	0.12	0.12	0.03	0.01	0.0	0.01	0.01	0.01	0.12	0.13	0.04
GADSDEN	19.7	0.10	1.97	2.07	1.58	0.30	0.03	0.33	0.33	0.40	2.00	2.40	1.91
GILCHRIST	3.6	0.0	0.36	0.36	0.07	0.12	0.06	0.18	0.18	0.12	0.42	0.54	0.25
GLADES	3.9	0.0	0.40	0.40	0.10	0.40	0.30	0.70	0.70	0.40	0.70	1.10	0.80
GULF	4.3	0.0	0.43	0.43	0.08	0.08	0.04	0.12	0.12	0.08	0.47	0.55	0.20
HAMILTON	2.7	0.0	0.28	0.28	0.22	0.07	0.41	0.48	0.48	0.07	0.69	0.76	0.70
HARDEE	11.6	0.0	1.16	1.16	0.23	0.0	2.79	2.79	2.79	0.0	3.95	3.95	3.02
HENDRY	5.8	0.0	0.70	0.70	0.60	0.90	3.70	4.60	4.60	0.90	4.40	5.30	5.20
HERNANDO	23.5	0.0	2.35	2.35	0.47	0.31	2.48	2.79	2.79	0.31	4.83	5.14	3.26
HIGHLANDS	18.4	0.0	1.84	1.84	0.46	1.10	0.10	1.20	1.20	1.10	1.94	3.04	1.66
HILLSBOROUGH	202.0	0.0	21.26	21.26	2.13	0.0	4.87	4.87	4.87	0.0	26.13	26.13	7.00
HOLMES	8.5	0.0	0.85	0.85	0.17	0.26	0.14	0.40	0.40	0.26	0.99	1.25	0.57
INDIAN RIVER	27.7	0.0	2.80	2.80	0.08	0.30	0.04	0.34	0.34	0.30	2.84	3.14	0.42
JACKSON	24.4	0.0	2.48	2.48	0.49	0.11	0.29	0.40	0.40	0.11	2.77	2.88	0.89
JEFFERSON	6.4	0.0	0.42	0.42	0.04	0.06	0.89	0.95	0.95	0.06	1.31	1.37	0.99
LAFAYETTE	2.1	0.0	0.21	0.21	0.04	0.02	1.23	1.25	1.25	0.02	1.44	1.46	1.29
LAKE	36.2	0.0	4.20	4.20	1.30	0.30	0.20	0.50	0.50	0.30	4.40	4.70	1.80
LEE	8.7	0.0	2.00	2.00	0.49	0.03	0.30	0.33	0.33	0.03	2.30	2.33	0.82
LEON	31.6	0.0	3.21	3.21	0.64	0.12	0.05	0.17	0.17	0.12	3.26	3.38	0.81
LEVY	8.6	0.0	0.85	0.85	0.17	0.0	0.64	0.64	0.64	0.0	1.49	1.49	0.81
LIBERTY	2.4	0.0	0.24	0.24	0.04	0.01	0.0	0.01	0.01	0.01	0.24	0.25	0.05
MADISON	7.4	0.0	0.75	0.75	0.60	0.03	0.27	0.30	0.24	0.03	1.02	1.05	0.84
MANATEE	43.5	0.0	4.40	4.40	0.50	0.18	1.65	1.83	1.83	0.18	6.05	6.23	2.33
MARION	55.9	0.0	6.58	6.58	0.56	0.0	2.00	2.00	2.00	0.0	8.58	8.58	2.56
MARTIN	23.9	0.0	2.40	2.40	1.80	0.05	0.50	0.55	0.55	0.05	2.90	2.95	2.35
MONROE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NASSAU	23.3	0.0	1.83	1.83	1.44	0.0	0.41	0.41	0.41	0.0	2.24	2.24	1.85
OKALOOSA	22.2	0.0	2.21	2.21	0.44	0.11	0.07	0.18	0.18	0.11	2.28	2.39	0.62
OKEECHOBEE	8.8	0.0	0.90	0.90	0.27	1.30	0.80	2.10	2.10	1.30	1.70	3.00	2.37
ORANGE	85.5	0.0	8.55	8.55	6.64	0.10	0.23	0.33	0.33	0.10	8.78	8.88	6.97

TABLE 3.-- RURAL WATER USE IN FLORIDA

BY COUNTIES, 1975 (CONTINUED)

COUNTY	SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE (MGD) WITHDRAWN SW	DOMESTIC USE (MGD) WITHDRAWN GW	DOMESTIC USE (MGD) WITHDRAWN ALL WATER	DOMESTIC USE (MGD) CONSUMED	LIVESTOCK USE (MGD) WITHDRAWN SW	LIVESTOCK USE (MGD) WITHDRAWN GW	LIVESTOCK USE (MGD) WITHDRAWN ALL WATER	LIVESTOCK USE (MGD) CONSUMED	ALL USES (MGD) WITHDRAWN SW	ALL USES (MGD) WITHDRAWN GW	ALL USES (MGD) WITHDRAWN ALL WATER	ALL USES (MGD) CONSUMED
OSCEOLA	17.7	0.0	1.80	1.80	0.36	0.42	0.50	0.92	0.92	0.42	2.30	2.72	1.28
PALM BEACH	85.9	0.45	12.88	13.33	3.33	1.03	1.04	2.07	2.07	1.48	13.92	15.40	5.40
PASCO	103.9	0.0	10.39	10.39	1.04	1.00	2.21	3.21	3.21	1.00	12.60	13.60	4.25
PINELLAS	62.0	0.0	6.46	6.46	0.65	0.02	0.50	0.52	0.52	0.02	6.96	6.98	1.17
POLK	93.0	0.0	9.30	9.30	0.93	0.13	2.51	2.64	2.64	0.13	11.81	11.94	3.57
PUTNAM	28.6	0.0	2.91	2.91	0.58	0.18	3.06	3.24	3.24	0.18	5.97	6.15	3.82
ST JOHNS	19.0	0.0	2.35	2.35	1.88	0.10	0.04	0.14	0.14	0.10	2.39	2.49	2.02
ST LUCIE	26.6	0.0	3.97	3.97	0.79	0.15	0.66	0.81	0.81	0.15	4.63	4.78	1.60
SANTA ROSA	9.0	0.0	1.05	1.05	0.21	0.17	0.07	0.24	0.24	0.17	1.12	1.29	0.45
SARASOTA	73.3	0.0	7.33	7.33	0.73	0.34	0.36	0.70	0.70	0.34	7.69	8.03	1.43
SEMINOLE	73.3	0.0	8.05	8.05	1.61	0.0	0.0	0.0	0.0	0.0	8.05	8.05	1.61
SUMTER	13.3	0.0	1.35	1.35	0.14	0.0	0.76	0.76	0.76	0.0	2.11	2.11	0.90
SUWANNEE	9.8	0.0	0.99	0.99	0.79	0.02	0.53	0.55	0.55	0.02	1.52	1.54	1.34
TAYLOR	4.2	0.0	0.42	0.42	0.08	0.11	0.12	0.23	0.23	0.11	0.54	0.65	0.31
UNION	8.7	0.0	0.87	0.87	0.17	0.0	0.05	0.05	0.05	0.0	0.92	0.92	0.22
VOLUSIA	64.7	0.0	6.50	6.50	2.00	0.0	0.20	0.20	0.20	0.0	6.70	6.70	2.20
WAKULLA	4.3	0.0	0.42	0.42	0.08	0.03	0.01	0.04	0.04	0.03	0.43	0.46	0.12
WALTON	7.4	0.74	0.0	0.74	0.59	0.14	0.08	0.22	0.22	0.88	0.08	0.96	0.81
WASHINGTON	7.3	0.0	0.80	0.80	0.64	0.07	0.10	0.17	0.17	0.07	0.90	0.97	0.81
STATE TOTAL	1872.5	2.05	200.93	202.98	50.33	12.15	50.87	63.02	62.57	14.20	251.80	266.00	112.90

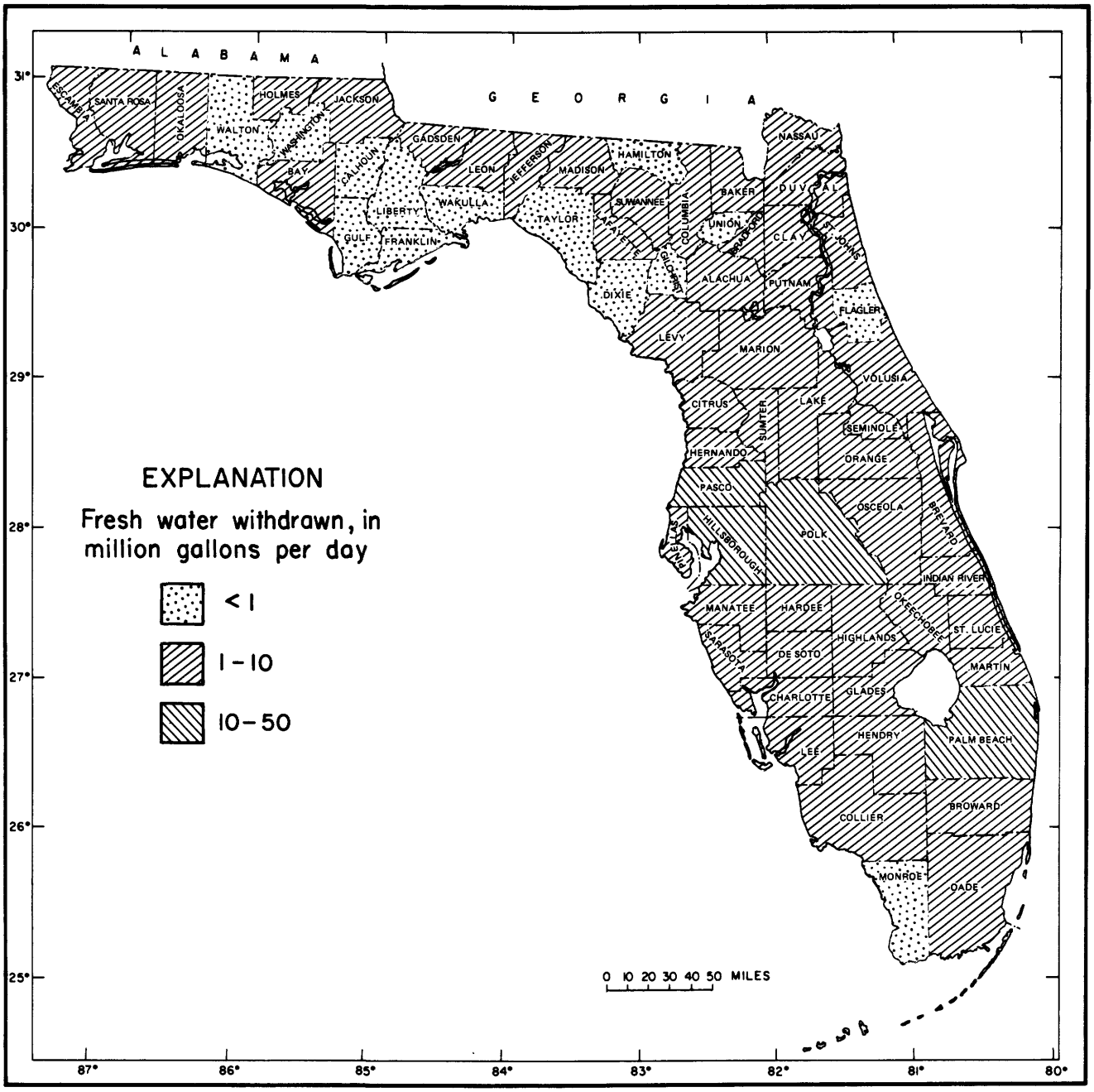


Figure 3.--Water withdrawn for rural domestic and livestock use by counties, 1975.

15 gal/d for cattle and 0.04 gal/d for chickens. More than 99 percent of the water used for livestock, 63.02 Mgal/d, was considered consumed. Livestock population increased between 1970-75 and the water used for livestock more than doubled during the last 5 years, increasing from 30 Mgal/d to 63 Mgal/d with a comparable increase in overall consumption.

Industrial Self-Supplied

Source and Reliability of Data

Table 4 and figure 4 include only those industries that supply their own water. The table does not include almost 200 Mgal/d sold to industry from public supplies. The water-use data was obtained by a plant-to-plant canvass of 401 industries which supply their own water. Their records were considered reasonably reliable. Water used by some of the industries that do not keep water use records was estimated by comparing similar industries which did keep records either of their monthly utility bills from municipal supplies or records of their own self-supplied water.

Water Withdrawn

In 1975 the total quantity of self-supplied freshwater withdrawn by industries remained about the same--940 Mgal/d--as in 1970. Freshwater use increased by 2 percent and saline-water use decreased more than 50 percent or 63 Mgal/d. Excluding the 305 Mgal/d recycled water in Hamilton County the self-supplied water used by industries for 1975 is as follows: Phosphate mining, 270 Mgal/d; pulp and paper processing, 225 Mgal/d; chemical products, 100 Mgal/d; lime rock mining, 88 Mgal/d; citrus products, 70 Mgal/d; food processing, 66 Mgal/d; air conditioning, 53 Mgal/d; and all other smaller classifications, grouped 131 Mgal/d.

Consumptive Use

Consumptive use of water by self-supplied industries was about 263 Mgal/d (26 percent of all water used or 28 percent of all the freshwater used). Although industry returns 72 percent of all water pumped for possible reuse, the water quality may have been changed to the extent that reuse would require treatment. The chemical, bacteriological, or thermal pollution resulting from reuse could reach a point where quality of the resulting water could become more of an environmental concern than the quantity of water used. Raw water for municipal use was sampled for chemical analysis in this assessment, but industry discharge water was not. The sampling and analysis of industrial discharge might well become an integral part of a continuing water-use data collection program.

TABLE 4.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY COUNTIES, 1975

COUNTY	WATER WITHDRAWN (MGD)						WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
	GROUND WATER		SURFACE WATER		ALL WATER		WATER CONSUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
	FRESH	SALINE	FRESH	SALINE	FRESH	SALINE									
ALACHUA	6.53	0.0	0.0	0.0	6.53	0.0	2.81	0.0	0.03	0.0	0.0	0.0	0.45	5.20	0.85
BAKER	0.32	0.0	0.0	0.0	0.32	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.31
BAY	1.35	0.0	0.0	0.0	1.35	0.0	0.33	0.0	0.33	0.50	0.0	0.0	0.21	0.0	0.31
BRADFORD	3.96	0.0	0.0	0.0	3.96	0.0	1.64	0.0	0.0	2.59	0.0	0.0	0.01	0.0	1.36
BREVARD	0.45	0.0	0.0	0.0	0.45	0.0	0.20	0.0	0.0	0.0	0.0	0.20	0.20	0.0	0.05
BROWARD	2.50	0.0	1.00	0.0	3.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.50
CALHOUN	0.36	0.0	0.0	0.0	0.36	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36
CHARLOTTE	0.10	0.0	0.0	0.0	0.10	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
CITRUS	1.32	0.0	0.0	0.0	1.32	0.0	0.33	1.03	0.0	0.0	0.0	0.14	0.15	0.0	0.0
CLAY	6.62	0.0	4.30	0.0	10.92	0.0	3.26	0.0	0.0	10.73	0.0	0.0	0.0	0.0	0.19
COLLIER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLUMBIA	0.12	0.0	0.0	0.0	0.12	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
DADE	3.38	0.0	0.0	0.0	3.38	0.0	1.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.38
DESOTO	0.59	0.0	0.0	0.0	0.59	0.0	0.11	0.0	0.0	0.0	0.0	0.23	0.11	0.0	0.25
DIXIE	0.45	0.0	3.09	0.0	3.54	0.0	0.19	0.0	0.0	3.36	0.0	0.0	0.0	0.0	0.18
DUVAL	48.63	0.0	0.14	0.0	48.77	0.0	4.83	0.0	20.61	1.95	0.0	0.0	1.28	7.39	17.54
ESCAMBIA	44.75	2.80	31.70	0.24	76.45	3.04	18.02	0.0	24.00	45.78	0.0	0.0	0.0	0.24	9.47
FLAGLER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FRANKLIN	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
GADSDEN	0.09	0.0	1.94	0.0	2.03	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.06	1.97
GILCHRIST	0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
GLADES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GULF	0.52	0.0	33.20	13.00	33.72	13.00	18.35	0.0	32.20	14.50	0.0	0.0	0.0	0.0	0.02
HAMILTON	30.30	0.0	0.0	0.0	30.30	0.0	3.10	0.0	0.0	2.50	A/27.80	0.0	0.0	0.0	0.0
HARDEE	1.45	0.0	0.0	0.0	1.45	0.0	0.01	0.0	0.0	0.0	0.0	0.0	1.45	0.0	0.0
HENDRY	0.22	0.0	0.60	0.0	0.82	0.0	0.13	0.0	0.0	0.0	0.0	0.22	0.60	0.0	0.0
HERNANDO	61.68	0.0	0.0	0.0	61.68	0.0	27.30	61.50	0.0	0.0	0.0	0.0	0.17	0.0	0.01
HIGHLANDS	0.70	0.0	0.0	0.0	0.70	0.0	0.01	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0
HILLSBOROUGH	8.02	45.00	8.10	0.0	16.12	45.00	8.56	0.0	0.0	8.60	0.83	0.10	2.83	0.29	48.47
HOLMES	0.02	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
INDIAN RIVER	0.44	0.0	0.0	0.0	0.44	0.0	0.09	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.04
JACKSON	0.80	0.0	0.0	0.0	0.80	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80
JEFFERSON	0.02	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
LAFAYETTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAKE	20.65	0.0	0.0	0.0	20.65	0.0	9.05	0.0	0.0	0.0	0.0	18.90	1.75	0.0	0.0
LEE	0.40	0.0	8.00	0.0	8.40	0.0	0.02	8.00	0.0	0.0	0.0	0.0	0.0	0.40	0.0
LEON	33.61	0.0	0.0	0.0	33.61	0.0	1.14	0.0	0.0	0.0	0.0	0.0	0.0	33.55	0.06
LEVY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LIBERTY	0.33	0.0	0.0	0.0	0.33	0.0	0.27	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.18
MADISON	0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
MANATEE	1.99	0.0	0.0	0.0	1.99	0.0	0.20	0.0	0.0	0.0	0.0	0.0	1.34	0.61	0.04
MARION	0.30	0.0	0.0	0.0	0.30	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
MARTIN	0.08	0.0	0.0	0.0	0.08	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
MONROE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NASSAU	57.93	0.0	0.0	2.00	57.93	2.00	53.19	0.0	57.64	0.0	0.0	0.0	0.29	2.00	0.0
OKALOOSA	6.05	0.0	0.0	0.0	6.05	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.05
OKEECHOBEE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ORANGE	14.18	0.0	0.60	0.0	14.78	0.0	3.73	0.0	0.0	0.0	0.0	5.21	0.02	0.0	9.55

TABLE 4.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY COUNTIES, 1975 (CONTINUED)

COUNTY	WATER WITHDRAWN (MGD)						WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
	GROUND WATER		SURFACE WATER		ALL WATER		WATER CONSUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
	FRESH	SALINE	FRESH	SALINE	FRESH	SALINE									
OSCEOLA	0.70	0.0	0.0	0.0	0.70	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70
PALM BEACH	1.79	0.0	44.75	0.0	46.54	0.0	12.20	0.0	0.0	1.00	0.0	0.0	44.04	0.0	1.50
PASCO	25.01	0.0	0.0	0.0	25.01	0.0	15.72	0.0	0.0	0.0	0.0	24.03	0.73	0.0	0.25
PINELLAS	1.30	0.0	0.0	0.0	1.30	0.0	0.40	0.0	0.0	0.0	0.0	0.39	0.24	0.0	0.67
POLK	270.38	0.0	1.85	0.0	272.23	0.0	35.69	0.0	0.0	0.05	241.70	17.25	6.74	0.0	6.64
PUTNAM	16.20	0.0	21.00	0.0	37.20	0.0	12.28	0.0	34.50	0.0	0.0	0.0	0.0	0.50	2.20
ST JOHNS	2.00	0.0	0.0	0.0	2.00	0.0	0.40	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0
ST LUCIE	0.19	0.0	0.0	0.0	0.19	0.0	0.07	0.0	0.0	0.0	0.0	0.14	0.05	0.0	0.0
SANTA ROSA	17.67	0.0	0.0	0.0	17.67	0.0	4.83	0.0	0.0	8.20	0.0	0.0	0.0	0.64	8.83
SARASOTA	2.99	0.0	0.0	0.0	2.99	0.0	0.61	0.0	0.0	0.0	0.0	0.02	0.13	1.80	1.04
SEMINOLE	2.59	0.0	0.0	0.0	2.59	0.0	2.53	0.0	0.0	0.0	0.0	0.0	1.51	0.0	1.08
SUMTER	16.06	0.0	0.0	0.0	16.06	0.0	3.48	16.00	0.0	0.04	0.0	0.0	0.02	0.0	0.0
SUWANNEE	2.39	0.0	0.0	0.0	2.39	0.0	0.34	1.44	0.0	0.0	0.0	0.0	0.90	0.0	0.05
TAYLOR	57.02	0.0	0.0	0.0	57.02	0.0	11.01	0.0	56.00	0.0	0.0	0.0	0.0	0.0	1.02
UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VOLUSIA	0.14	0.0	0.0	0.0	0.14	0.0	0.01	0.0	0.0	0.10	0.0	0.01	0.03	0.0	0.0
WAKULLA	0.80	0.0	0.43	0.0	1.23	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23
WALTON	0.41	0.0	0.0	0.0	0.41	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0
WASHINGTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STATE TOTAL	778.91	47.80	160.70	15.24	939.61	63.04	262.91	87.97	225.31	100.05	270.33	69.94	65.77	52.69	130.75

A/ Does not include 305 Mgal/d of water that is reused from their holding ponds.

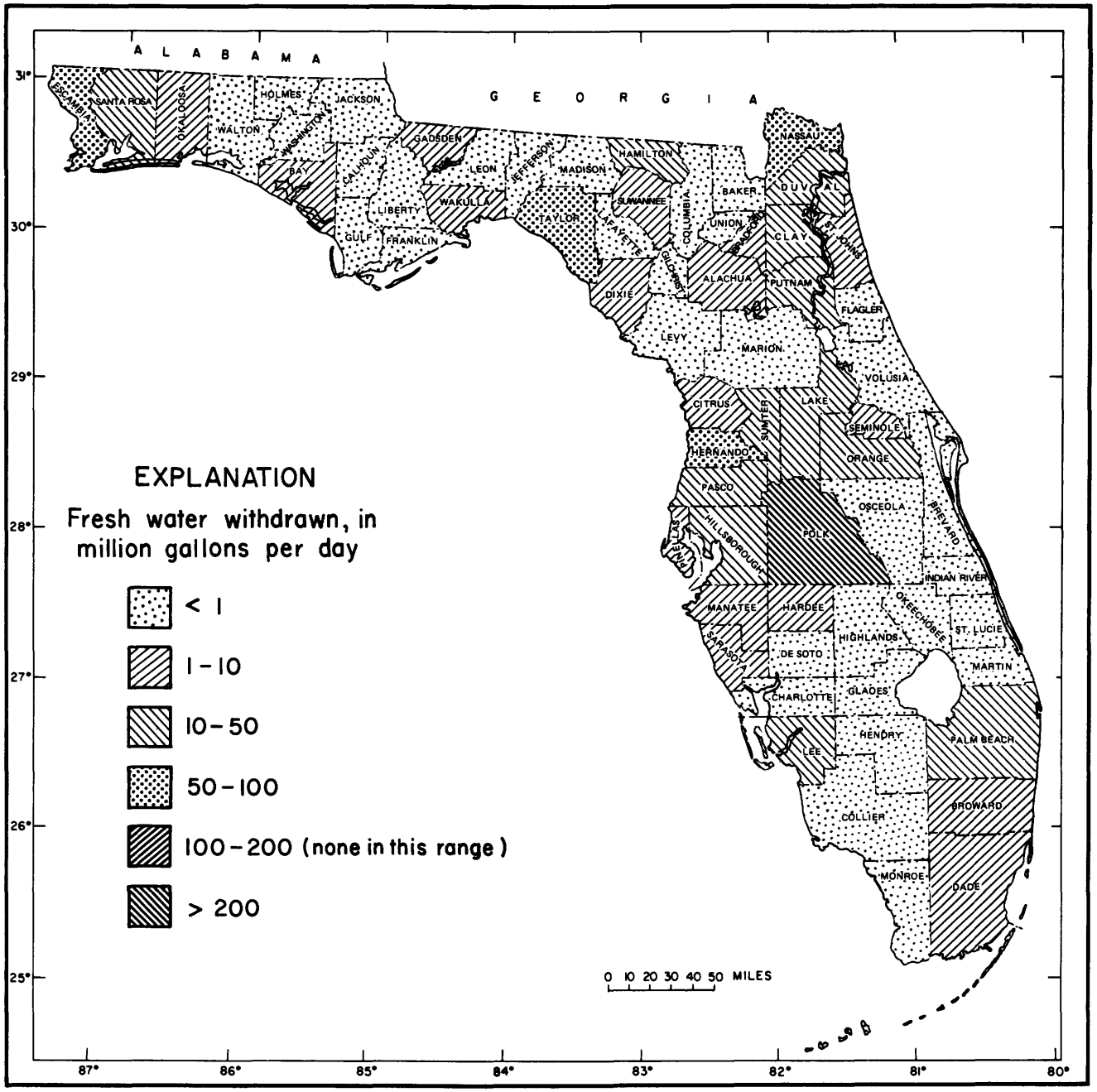


Figure 4.--Self-supplied industrial freshwater withdrawals (excluding thermoelectric power use) by counties, 1975.

Irrigation

Source and Reliability of Data

Estimates of water used for irrigation of crops during 1975 were made by water use specialists from each of the five Water Management Districts and by U.S. Geological Survey hydrologists. The estimates were based on information obtained by personal communiciation with local (county) and state representatives of agricultural agencies, and from some grove owners and/or farmers. The county agricultural agent, the County Soil Conservation Service (SCS) Director, or the County Agricultural Stabilization and Conservation Service (ASCS) Director usually were interviewed to obtain estimates of irrigation acreage and depth of water applied for each type of crop irrigated in a county (table 5).

The total crop acreage irrigated in each county and each type of crop was compared with the 1970 acreage report by Pride (1973). Water use values of the 1970 inventory were used as a guide, wither to verify the difference as being a reasonable change during the 5-year period (1970-75) or to indicate where additional rechecking of field data was needed. Irrigation by counties is shown in table 6 and figure 5.

Water Withdrawn

Water used for irrigation in 1975 was reported as the amount pumped from the source. It includes conveyance loss, if any, in addition to the amount applied to the area of irrigated crops. The amount of water applied to each type of crop was determined by multiplying the acreage times the number of irrigation applications during the 1975 growing season, times the depth in inches for each application. The total depth of all applications was then converted to feet to determine the total acre-feet of water applied during the year. For example, 15 applications of water to 500 acres of corn with an average of 1 inch per application, and assuming no conveyance loss, would equal 625 acre-feet per year of irrigation applied to the corn. This is equivalent to an average daily application of 0.56 Mgal.

In some areas of the state, particularly south Florida, irrigation water is conveyed by open ditches from the source, which may be several miles away from the crops. Because of the open ditch travel distance, the conveyance loss due to seepage and evaporation, is large. This loss must be added to the estimated water applied to determine the total amount withdrawn. The water used for irrigation as reported by the U.S. Geological Survey is estimated as the amount withdrawn from the source during the year.

Climatic conditions, particularly seasonal and annual variations in the amount and distribution of rainfall throughout the state during the growing season, influences both quantity and distribuition of water used for irrigation. Seasonal variations and distribution of rainfall range from 5 inches in the south during December through February, to more than 24 inches in southern and west-central Florida during June through August (Hughes and others, 1971). Annual variations in rainfall are large--90 inches measured at Pensacola in the panhandle, and 40 inches recorded at Gainesville in the central peninsular part of the state. Because of the frequency of numerous short-term but untimely droughts, irrigation is particularly important to insure successful crops. The total effect of rainfall during the growing season has an important bearing on the quantity of water required for irrigation of the nearly 2 million acres in the state where irrigation water is available.

The SCS (Soil Conservation Service) and other agricultural agencies usually report water use for irrigation on the basis of optimum use for crop requirements determined by the Blaney-Cridle or other methods. On a long-term average the results obtained by the different approaches should be reasonably consistent, although the total quantity of water withdrawn in a year in most cases usually exceeds the optimum use.

The results of the assessment indicate that the number of applications of water and the depth of application in the southern part of the state are greater than in the rest of the state. Several factors affect this increase in the application of water: The southern part of the state is a subtropic region where the evapotranspiration rate is high; where the soils are very pervious and do not retain moisture as well as soil in other parts of the state; and where the growing season is during the winter when rainfall is scant. More water is required for irrigation because of these conditions.

The total acres irrigated, by crop types, by counties, and the state total for 1975 are shown in table 5. This table indicates that 1.84 million acres were irrigated in 1975; 246 thousand acres more than in 1970--an increase of 15 percent. In 1975 more than 3.2 million acre feet of water was used for irrigation--an increase of almost 0.9 million acre-feet since 1970. Palm Beach County again reported the largest number of acres irrigated and the most water used for irrigation; 444,000 acres irrigated with 563,600 acre-feet or 503.29 Mgal/d of water. This is an average application of 15.23 inches for the 13,000 acres of citrus, 119,000 acres of truck farming, 60,000 acres of pasture, 245,000 acres of sugar cane, and 7,000 acres of other types of crops. The largest increase in acreage in the county was for sugar cane which increased more than 110 percent during the period 1970-75. Six counties report no irrigation; some minor amounts of water may have been used for irrigation but amounts less than 0.01 Mgal/d are not shown in the table. The counties that reported less than 0.01 Mgal/d are not shown in the table. The counties that reported less than 0.01 Mgal/d of irrigation are: Bay, Franklin, Liberty, Monroe, Wakulla, and Washington Counties. These counties are all in the northern part of the state.

TABLE 5.--ACRES IRRIGATED BY COUNTIES, 1975.

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY	CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
ALACHUA	0	655	1080	0	1479	1440	0	2700	7354
BAKER	0	0	0	0	10	0	0	50	60
BAY	0	0	0	0	0	0	0	0	0
BRADFORD	0	100	0	0	50	0	0	140	290
BREVARD	6000	0	23200	0	0	0	0	485	29685
BROWARD	0	5000	0	0	0	0	0	5800	10800
CALHOUN	0	0	0	0	0	120	0	252	372
CHARLOTTE	4450	1080	4640	0	0	0	1000	130	11300
CITRUS	3500	5	0	0	0	80	200	1	3786
CLAY	0	50	1000	0	0	0	0	60	1110
COLLIER	7000	22500	5000	0	0	1000	3500	490	39490
COLUMBIA	0	0	100	0	935	480	220	80	1815
DADE	3719	34185	750	0	0	0	0	12900	51554
DESOTO	30000	1000	8000	0	0	160	3500	0	42660
DIXIE	0	33	80	0	73	0	225	0	411
DUVAL	0	0	0	0	0	0	0	2338	2338
ESCAMBIA	0	0	0	0	0	0	0	428	428
FLAGLER	0	4500	2400	0	0	0	0	0	6900
FRANKLIN	0	0	0	0	0	0	0	0	0
GADSDEN	0	1500	0	0	1000	500	0	350	3350
GILCHRIST	0	60	100	0	200	200	100	0	660
GLADES	2200	1200	26000	16000	0	0	0	0	45400
GULF	0	0	0	0	0	0	0	300	300
HAMILTON	0	200	1000	0	1600	500	200	80	3580
HARDEE	23000	2500	25000	0	0	0	1000	16	51516
HENDRY	30000	12000	88000	25000	0	0	0	0	155000
HERNANDO	650	30	60	0	0	0	100	400	1240
HIGHLANDS	35000	3000	100000	0	0	0	250	1400	139650
HILLSBOROUGH	20000	9250	5000	0	0	0	0	2340	36590
HOLMES	0	100	0	0	0	0	0	50	150
INDIAN RIVER	50000	0	34000	0	0	0	0	230	84230
JACKSON	0	12500	1000	0	100	2500	800	350	17250
JEFFERSON	0	200	510	0	50	0	100	328	1188
LAFAYETTE	0	100	200	0	700	50	2000	6	3056
LAKE	52000	9800	2500	0	0	0	750	500	65550
LEE	7000	5700	25000	0	0	0	1500	3000	42200
LEON	0	0	0	0	0	280	0	223	503
LEVY	0	200	160	0	120	1000	1000	400	2880
LIBERTY	0	0	0	0	0	0	0	0	0
MADISON	0	760	100	0	1130	1200	200	2220	5610
MANATEE	7000	7000	8000	0	0	600	1000	2748	26348
MARION	6000	6000	20000	0	18	5000	5000	1210	43228
MARTIN	41000	3000	5000	3000	0	0	0	1400	53400
MONROE	0	0	0	0	0	0	0	0	0
NASSAU	0	0	0	0	0	0	0	175	175
OKALOOSA	0	0	520	0	0	0	0	310	830
OKEECHOBEE	4200	800	40000	0	0	0	100	0	45100
ORANGE	19000	4500	0	0	0	4500	0	2700	30700

TABLE 5.--A C R E S I R R I G A T E D B Y C O U N T I E S, 1975 (CONTINUED)

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY	CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
OSCEOLA	8000	0	200	0	500	0	300	300	9300
PALM BEACH	13000	119000	60000	245000	0	0	0	7000	444000
PASCO	19000	800	5000	0	0	0	0	4000	27800
PINELLAS	1000	0	1000	0	0	0	0	8000	10000
POLK	91650	2000	7000	0	0	0	0	1115	101765
PUTNAM	800	4780	3000	0	0	2500	0	300	11380
ST JOHNS	60	19910	0	0	0	0	0	330	20300
ST LUCIE	73000	1200	22000	0	0	0	200	800	97200
SANTA ROSA	0	1900	0	0	0	0	0	102	2002
SARASOTA	1500	2000	10000	0	0	850	0	125	14475
SEMINOLE	5000	4170	0	0	0	0	0	460	9630
SUMTER	500	2500	1000	0	15	100	2200	265	6580
SUWANNEE	0	50	0	0	3000	500	400	40	3990
TAYLOR	0	20	0	0	200	25	0	81	326
UNION	0	0	0	0	250	0	0	250	500
VOLUSIA	600	3000	0	0	0	0	0	1420	5020
WAKULLA	0	0	0	0	0	0	0	0	0
WALTON	0	6878	0	0	0	0	0	150	7028
WASHINGTON	0	0	0	0	0	0	0	0	0
STATE TOTAL	564829	317716	537600	289000	11430	23585	25845	71328	1841333

TABLE 6.-- IRRIGATION WATER USE IN FLORIDA

BY COUNTIES, 1975

COUNTY	ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
ALACHUA	7354	1671	5011	6682	0	4678	1.49	4.47	5.97	0.0	4.18
BAKER	60	750	5	755	0	250	0.67	0.00	0.67	0.0	0.22
BAY	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BRADFORD	290	7	59	66	0	33	0.01	0.05	0.06	0.0	0.03
BREVARD	29685	24100	41400	65500	3100	13600	21.52	36.97	58.49	2.77	12.14
BROWARD	10800	66700	20000	86700	8700	16400	59.56	17.86	77.42	7.77	14.65
CALHOUN	372	1575	1317	2892	0	578	1.41	1.18	2.58	0.0	0.52
CHARLOTTE	11300	0	38420	38420	0	14507	0.0	34.31	34.31	0.0	12.95
CITRUS	3786	265	265	530	0	424	0.24	0.24	0.47	0.0	0.38
CLAY	1110	40	10	50	0	10	0.04	0.01	0.04	0.0	0.01
COLLIER	39490	5600	72250	77850	16130	39100	5.00	64.52	69.52	14.40	34.92
COLUMBIA	1815	127	1146	1273	0	891	0.11	1.02	1.14	0.0	0.80
DADE	51554	3250	98000	101250	0	37200	2.90	87.51	90.42	0.0	33.22
DESOTO	42660	2240	69195	71435	0	47933	2.00	61.79	63.79	0.0	42.80
DIXIE	411	52	119	171	0	34	0.05	0.11	0.15	0.0	0.03
DUVAL	2338	251	2015	2266	0	1133	0.22	1.80	2.02	0.0	1.01
ESCAMBIA	428	302	704	1006	0	201	0.27	0.63	0.90	0.0	0.18
FLAGLER	6900	0	9400	9400	0	0	0.0	8.39	8.39	0.0	0.0
FRANKLIN	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
GADSDEN	3350	2724	0	2724	0	545	2.43	0.0	2.43	0.0	0.49
GILCHRIST	660	20	185	205	0	41	0.02	0.17	0.18	0.0	0.04
GLADES	45400	46600	12500	59100	6100	41900	41.61	11.16	52.78	5.45	37.42
GULF	300	0	250	250	0	100	0.0	0.22	0.22	0.0	0.09
HAMILTON	3580	167	1506	1673	0	335	0.15	1.34	1.49	0.0	0.30
HARDEE	51516	0	101357	101357	0	70291	0.0	90.51	90.51	0.0	62.77
HENDRY	155000	237600	86100	323700	31000	189300	212.18	76.89	289.06	27.68	169.04
HERNANDO	1240	114	660	774	0	608	0.10	0.59	0.69	0.0	0.54
HIGHLANDS	139650	64500	97200	161700	8400	49800	57.60	86.80	144.40	7.50	44.47
HILLSBOROUGH	36590	2540	48859	51399	0	36400	2.27	43.63	45.90	0.0	32.51
HOLMES	150	83	0	83	0	0	0.07	0.0	0.07	0.0	0.0
INDIAN RIVER	84230	289100	44400	333500	37700	59100	258.17	39.65	297.82	33.67	52.78
JACKSON	17250	673	6053	6726	0	1681	0.60	5.41	6.01	0.0	1.50
JEFFERSON	1188	86	692	778	0	194	0.08	0.62	0.69	0.0	0.17
LAFAYETTE	3056	168	1530	1698	0	424	0.15	1.37	1.52	0.0	0.38
LAKE	65550	21247	42936	64183	0	47997	18.97	38.34	57.32	0.0	42.86
LEE	42200	17390	54350	71740	970	42200	15.53	48.53	64.06	0.87	37.68
LEON	503	173	487	660	0	0	0.15	0.43	0.59	0.0	0.0
LEVY	2880	144	1296	1440	0	288	0.13	1.16	1.29	0.0	0.26
LIBERTY	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
MADISON	5610	206	1857	2063	0	518	0.18	1.66	1.84	0.0	0.46
MANATEE	26348	1343	25514	26857	0	3064	1.20	22.78	23.98	0.0	2.74
MARION	43228	952	18000	18952	0	15160	0.85	16.07	16.92	0.0	13.54
MARTIN	53400	85900	7600	93500	11200	46000	76.71	6.79	83.50	10.00	41.08
MONROE	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
NASSAU	175	0	580	580	0	400	0.0	0.52	0.52	0.0	0.36
OKALOOSA	830	385	425	810	0	162	0.34	0.38	0.72	0.0	0.14
OKEECHOBEE	45100	17600	75200	92800	2300	18400	15.72	67.15	82.87	2.05	16.43
ORANGE	30700	22100	14500	36600	2900	22000	19.74	12.95	32.68	2.59	19.65

TABLE 6.-- IRRIGATION WATER USE IN FLORIDA

BY COUNTIES, 1975 (CONTINUED)

COUNTY	ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
OSCEOLA	9300	4200	9400	13600	500	6800	3.75	8.39	12.14	0.45	6.07
PALM BEACH	444000	524500	39100	563600	68400	367800	468.38	34.92	503.29	61.08	328.45
PASCO	27800	10563	42276	52839	0	32676	9.43	37.75	47.19	0.0	29.18
PINELLAS	10000	0	37818	37818	0	11200	0.0	33.77	33.77	0.0	10.00
POLK	101765	5563	105692	111255	0	106600	4.97	94.38	99.35	0.0	95.19
PUTNAM	11380	0	17691	17691	0	3538	0.0	15.80	15.80	0.0	3.16
ST JOHNS	20300	0	32225	32225	0	25780	0.0	28.78	28.78	0.0	23.02
ST LUCIE	97200	357400	54800	412200	46600	78200	319.16	48.94	368.09	41.61	69.83
SANTA ROSA	2002	0	366	366	0	73	0.0	0.33	0.33	0.0	0.07
SARASOTA	14475	2238	20145	22383	0	18674	2.00	17.99	19.99	0.0	16.68
SEMINOLE	9630	0	12300	12300	240	8300	0.0	10.98	10.98	0.21	7.41
SUMTER	6580	190	3604	3794	0	2883	0.17	3.22	3.39	0.0	2.57
SUWANNEE	3990	0	1592	1592	0	318	0.0	1.42	1.42	0.0	0.28
TAYLOR	326	18	195	213	0	43	0.02	0.17	0.19	0.0	0.04
UNION	500	25	200	225	0	45	0.02	0.18	0.20	0.0	0.04
VOLUSIA	5020	0	6000	6000	0	4500	0.0	5.36	5.36	0.0	4.02
WAKULLA	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
WALTON	7028	210	665	875	0	144	0.19	0.59	0.78	0.0	0.13
WASHINGTON	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
STATE TOTAL	1841333	1823652	1387422	3211074	244240	1491454	1628.52	1238.96	2867.48	218.11	1331.86

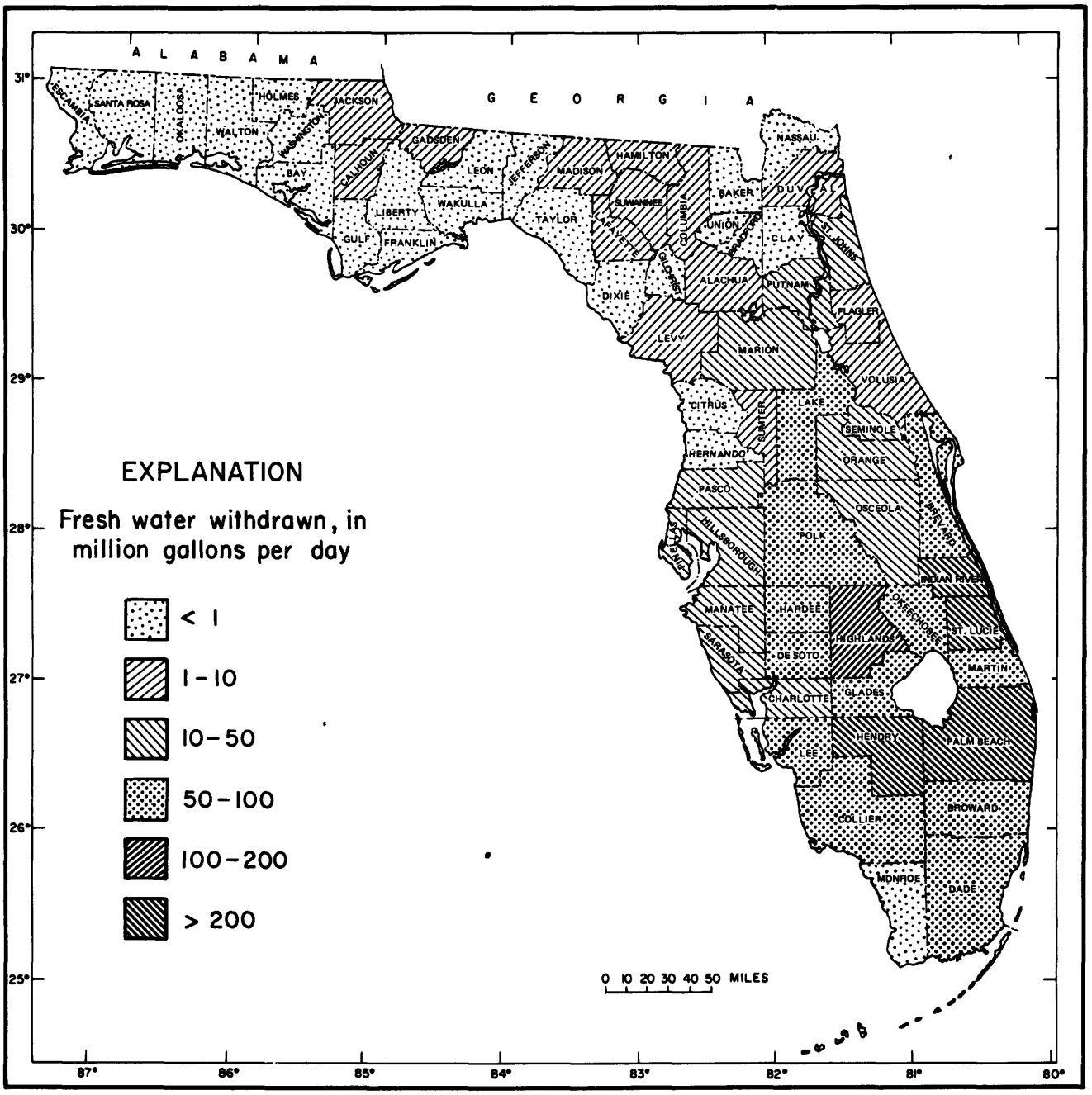


Figure 5.--Water withdrawn for irrigation (including conveyance losses) by counties, 1975.

Consumptive Use

Consumptive use figures for irrigation in this report were generally computed by multiplying the amount of water applied times the consumptive use coefficient estimated for each area. The consumptive use coefficient used in this report generally ranged from 0.40 to 0.75 of the water used for irrigation, (the state average was 0.46). In a few counties the coefficient was nearly 0.90, in others it was as low as 0.20. The total consumptive use for irrigation in Florida 1975 was estimated to be 1,332 Mgal/d or about 1.5 million acre feet and the conveyance loss was reported to be 218 Mgal/d or about 0.25 million acre feet, as shown in table 6.

Thermoelectric Power

Source and Reliability of Data

Estimates of water use for condenser cooling and for electrical power generated at thermoelectric power plants were obtained by personal communication with power company officials or with plant superintendents. This water was largely self-supplied, although small quantities were obtained from public supplies. The estimates of water use were based on pumping records or power production records considered to be reliable.

Water Withdrawn

Most thermoelectric power plants in Florida are located on the coast where large quantities of saline or brackish water can be withdrawn from bays or estuaries for once-through cooling with no recycling. Some power plants located inland on freshwater streams or lakes also use once-through cooling. In recent years as the size of power plants has increased, power plants have begun to recycle cooling water after routing the water to cooling ponds or cooling towers. In this compilation, if man-made cooling ponds or cooling towers were used, only the make-up water, that is, water diverted from the source, is considered as water withdrawn.

During 1975, water withdrawn for thermoelectric power production totaled 13,137 Mgal/d which includes 11,439 Mgal/d of saline water. This represents an 18 percent increase over the quantity of water withdrawn for power production in Florida in 1970 (Pride, 1973, p. 20). As shown in table 7, nearly 100 percent of the water withdrawn in 1975 was for cooling, of which 97 percent was saline water and slightly less than 3 percent was freshwater. The remainder, about 0.2 percent, was freshwater used for other purposes such as boiler feed, domestic uses at plants, and irrigation (lawn sprinkling of plant grounds). The largest ground-water use for cooling was 47.5 Mgal/d of saline water reported for Monroe County and 45 Mgal/d of fresh ground water reported for Nassau County.

There are 28 counties with thermoelectric power generating plants. All of these plants either use large amounts of freshwater for cooling or small amounts for other purposes as shown in figure 6. Of these 28 counties there are 14 that use large amounts of saline water for cooling in thermoelectric plants as shown in figure 7. Also included in figure 7 are 4 counties with industries using saline water, one of which Gulf County does not have a thermoelectric power plant.

Production by thermoelectric power plants in Florida during 1975 totaled 81.1 billion kilowatt-hours, 42 percent larger than the 57.3 billion reported by Pride (1973, p. 20) for 1970. The disparity between the 42-percent increase in electrical power production and the 18-percent increase in total water withdrawn probably reflects in part a change to plants equipped with cooling ponds or cooling towers from which the cooled water is recycled.

Consumptive Use

The quantity of water consumed or evaporated by cooling systems of thermoelectric power plants is directly related to the quantity of electric power generated. However, the relation between the two varies seasonally with meteorological conditions and also with the type of power plants and type of cooling system used. In this survey, no attempt was made to distinguish between quantities of electrical power generated by different combinations of thermoelectric power plants and cooling systems. Consequently, consumptive use of cooling water was estimated on the basis of an average annual consumption rate of 0.00137 Mgal/d per million kilowatt-hours. This rate is equivalent to a cooling-water consumption rate of 12 Mgal/d for a 1,000 megawatt power plant operating at full capacity throughout the year. According to Hughes (1975, figs. 3, 5) such a rate would apply reasonably well to electrical power generated in Florida by a mixture of nuclear and fossil-fueled power plants using a variety of cooling systems. Consumption of water withdrawn for purposes other than cooling was arbitrarily set at 75 percent of the quantity withdrawn for such purposes. The consumptive use figures in the table include the water consumed for cooling and other purposes.

In 1975, water consumption by thermoelectric power plants in Florida (all uses combined) totaled 127 Mgal/d of which 36 Mgal/d was fresh and 91 Mgal/d was saline. Because of differences in the way that water consumption was estimated in 1970 and 1975, there may be discrepancies in the quantities consumed in the different years.

TRENDS IN WATER USE 1950-75

Trends of water use in Florida indicate simply that as the population increases the demand for water also increases. The data in table 8 and the graphs shown in figure 8 were taken from MacKichan (1951, 1957) for 1950 and 1955 and by McKichan and Kammerer (1961) for 1960 data. The

TABLE 7.-- THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY COUNTIES, 1975

COUNTY	COOLING WATER (MGD)				OTHER WATER (MGD)				WATER CONSUMED		AVE ANNUAL GENERATION
	SELF-SUPPLIED				PUBLIC SUPPLY	SELF-SUPPLIED		PUBLIC SUPPLY			
	GROUND WATER		SURFACE WATER			FRESH	FRESH				
	FRESH	SALINE	FRESH	SALINE		GW	SW		FRESH	SALINE	(KWHX10**6)
ALACHUA	0.5	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.9	0.0	379
BAKER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
BAY	0.0	0.0	0.0	228.7	0.0	0.68	0.0	0.0	0.5	2.1	1500
BRADFORD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
BREVARD	0.0	0.0	0.0	1612.0	0.0	0.50	0.0	0.03	0.4	7.4	5420
BROWARD	0.0	0.0	0.0	1678.0	0.03	0.50	0.0	0.0	0.4	7.4	12500
CALHOUN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
CHARLOTTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
CITRUS	0.0	0.0	0.0	919.0	0.0	0.63	0.0	0.0	0.5	7.5	5497
CLAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
COLLIER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
COLUMBIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DADE	0.0	0.0	0.0	504.0	0.0	0.04	0.0	0.05	0.1	18.4	13048
DESOTO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DIXIE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DUVAL	0.0	0.0	40.0	653.8	0.0	2.12	0.0	0.0	4.0	5.2	5537
ESCAMBIA	0.0	0.0	265.4	0.0	0.0	2.52	0.0	0.0	7.7	0.0	4250
FLAGLER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
FRANKLIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GADSDEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GILCHRIST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GLADES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GULF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HAMILTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HARDEE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.1	0.0	3
HENDRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HERNANDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HIGHLANDS	0.0	0.0	95.2	0.0	0.0	0.0	0.03	0.0	0.3	0.0	237
HILLSBOROUGH	0.0	0.0	0.0	3031.0	0.0	0.37	2.04	0.0	1.3	19.1	8702
HOLMES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
INDIAN RIVER	4.3	0.0	0.0	60.0	0.0	0.0	0.0	0.0	3.6	3.4	269
JACKSON	0.3	0.0	120.1	0.0	0.0	0.0	0.32	0.0	0.8	0.0	443
JEFFERSON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LAFAYETTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LAKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEE	0.0	0.0	0.0	568.0	0.0	0.04	0.0	0.07	0.1	4.8	3491
LEON	1.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.6	0.0	474
LEVY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LIBERTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MADISON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MANATEE	0.0	0.0	A/25.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0
MARION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MARTIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MONROE	0.0	47.5	0.0	0.0	0.0	0.10	0.0	0.0	0.1	0.5	352
NASSAU	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	B/ 0
OKALOOSA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
OKEECHOBEE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ORANGE	0.0	0.0	77.4	0.0	0.0	0.08	0.0	0.0	0.4	0.0	217

TABLE 7.-- THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY COUNTIES, 1975 (CONTINUED)

COUNTY	COOLING WATER (MGD) SELF-SUPPLIED GROUND WATER FRESH	GROUND WATER SALINE	SURFACE WATER FRESH	SURFACE WATER SALINE	OTHER WATER (MGD) PUBLIC SUPPLY	SELF-SUPPLIED FRESH GW	SELF-SUPPLIED FRESH SW	PUBLIC SUPPLY	WATER CONSUMED FRESH	WATER CONSUMED SALINE	AVE ANNUAL GENERATION (KWHX10**6)
OSCEOLA	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	96
PALM BEACH	0.0	0.0	0.0	657.0	0.51	0.18	0.0	0.0	0.5	5.3	3896
PASCO	0.0	0.0	0.0	670.0	0.0	0.0	0.0	0.23	0.2	4.2	3055
PINELLAS	0.0	0.0	0.0	794.0	0.0	0.0	0.0	0.14	0.1	5.8	3485
POLK	0.0	0.0	298.5	0.0	0.0	0.11	0.0	0.19	3.8	0.0	949
PUTNAM	0.0	0.0	120.0	0.0	0.0	0.06	0.0	0.0	0.7	0.0	445
ST JOHNS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ST LUCIE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	790
SANTA ROSA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SARASOTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SEMINOLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SUMTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SUWANNEE	0.1	0.0	172.8	0.0	0.0	0.01	0.0	0.0	1.3	0.0	936
TAYLOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
VOLUSIA	0.0	0.0	314.0	16.0	0.0	0.03	0.0	0.0	6.5	0.0	4742
WAKULLA	0.0	0.0	104.6	0.0	0.0	0.28	0.0	0.70	0.0	0.0	389
WALTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WASHINGTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
STATE TOTAL	51.7	47.5	1633.0	11391.5	1.44	8.45	2.39	1.64	36.1	91.1	81102

A/ Water used to fill reservoir only, not in operation during 1975.
B/ Not available.

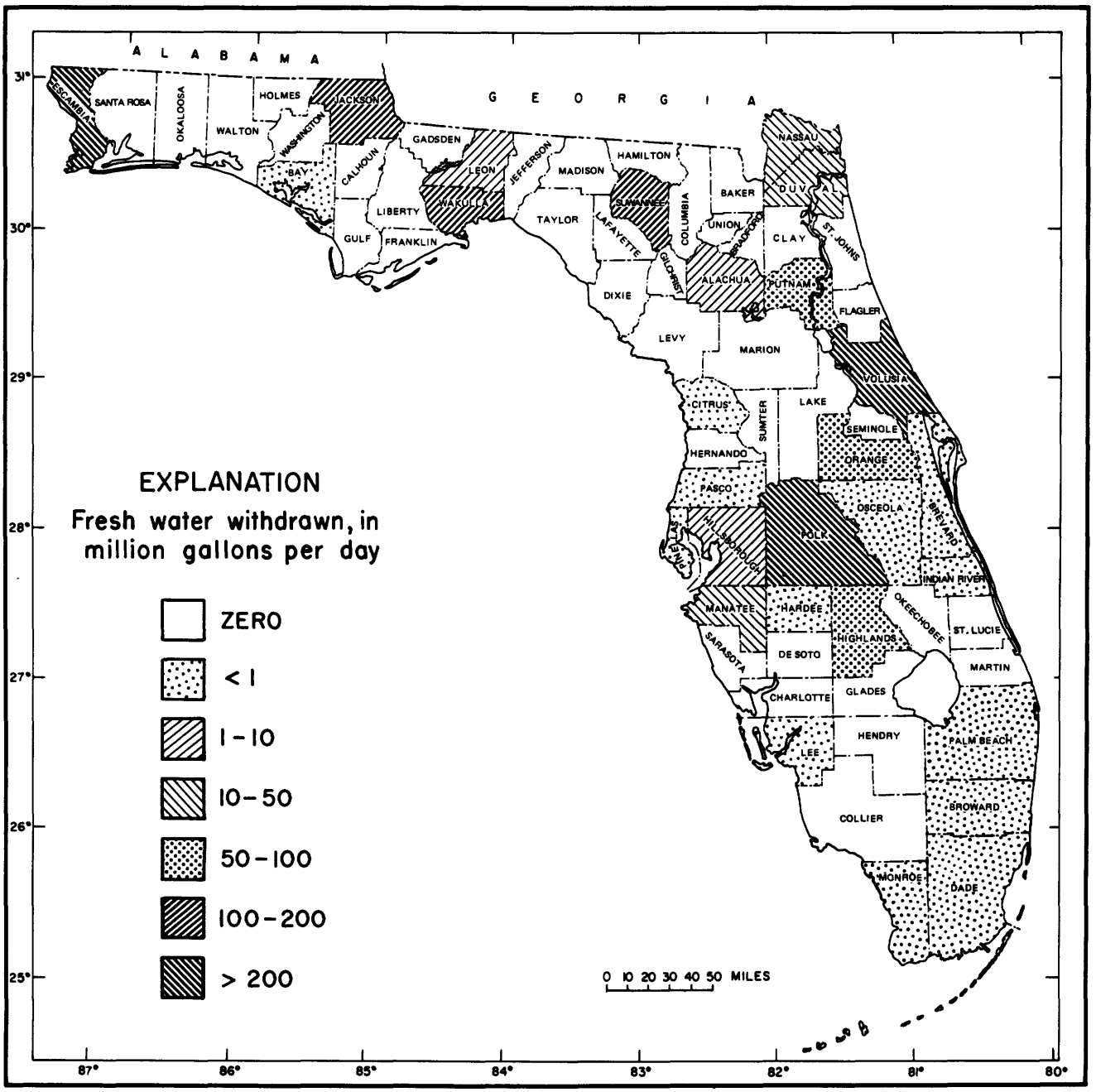


Figure 6.--Freshwater withdrawn for thermoelectric power generation by counties, 1975.

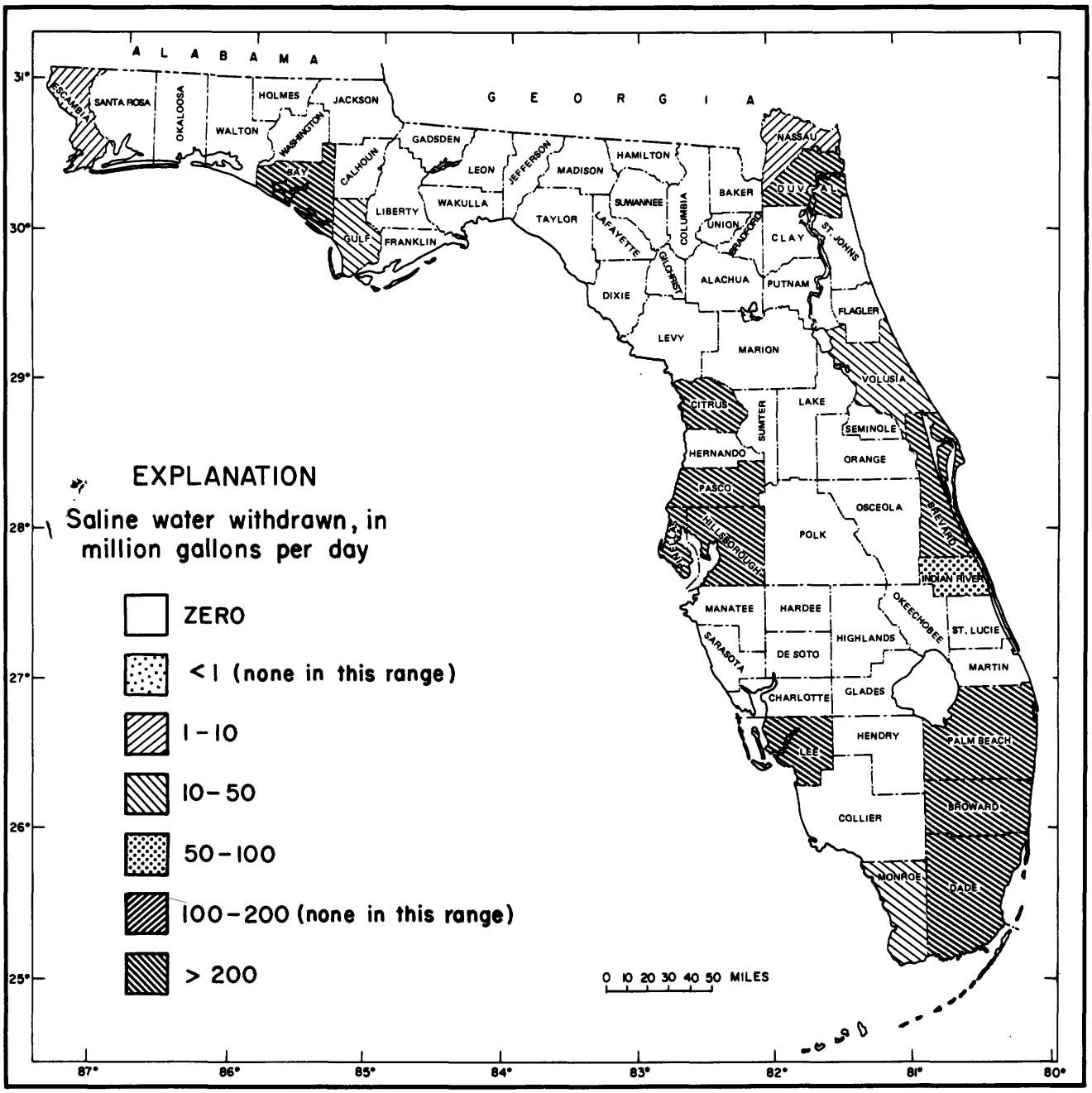


Figure 7.--Saline water withdrawn for thermoelectric power generation (including 63 Mgal/d used by other industries) by counties, 1975.

estimates of water use in Florida in 1956 are given in a report by the Florida Water Resources Study Commission (1956). The 1965 estimates are from county-by-county inventories made by the U.S. Geological Survey for the national report by Murray (1968) and are given by Pride (1970). The 1970 water use figures are taken from Pride (1973). Table 8 and figure 8 shows a steady increase in water withdrawn for all uses except for "other industry" and for "irrigation" which reflects climatic conditions. The trends of irrigation use, however, as indicated by the dashed line in figure 8, also show a steady increase. The 1965 estimate is now considered to be too high, both in irrigated acres and in withdrawal rates. Therefore the dashed line is considered to be a more representative estimate of water use for irrigation. Irrigation is by far the largest user of freshwater, 42 percent or 2,868 Mgal/d.

Industrial water use including thermoelectric power generation has shown a steady overall increase of 17 percent during the last 5 years, from 1970-75. Of the 13,137 Mgal/d used for thermoelectric power generation (for cooling and other uses), a large part is saline water for cooling (11,439 Mgal/d) which leaves 1,698 Mgal/d of freshwater used by the thermoelectric power industry. Of a total of 1,003 Mgal/d withdrawn by all other industries, only 63 Mgal/d was saline. Water used by all industries (self-supplied) remained about the same as in 1970 although the use of freshwater increased about 13 Mgal/d. This increase was more than offset by a decrease in saline water use of 69 Mgal/d. The overall trend of all industrial uses except thermoelectric power production was a decrease of about 5 percent.

Average per capita use of all water (fresh and saline) has increased from 332 gal/d in 1950 to a peak of 2,259 gal/d in 1965, reflecting a large quantity of water used for irrigation that year. The present (1975) per capita trends indicate a somewhat stable value of about 2,200 gal/d for the state. The more important water-use figure is the freshwater per capita use of slightly more than 800 gal/d. Freshwater has many more uses than saline water; the latter is mostly used for cooling.

The greatest increase in water use (table 8) is shown by the sharp upward trend in the use of saline water for cooling since 1950. In 1965 and earlier the use of freshwater exceeded that of saline water. This trend has reversed so that freshwater amounts to only 38 percent of the water used in 1970 and 1975, compared to 53 percent in 1960.

SUMMARY OF ALL USES

Water withdrawn--both fresh and saline--for all uses by counties is summarized in table 9. The distribution of freshwater draft by counties is shown in figure 9.

Table 8.--The population and estimated water use, 1950-75.

Years included in inventory	Total population (thousands)	Total water withdrawn (mgd)									Per capita use (gpd)		Total water consumed (mgd)
		Industrial uses						All uses					
		Public supplies	Rural domestic and livestock	Irrigation	Thermoelectric power production	Other industry	All industrial uses	Fresh	Saline	All water	Fresh water only	All water	
1950	2,771	170	55	410	(a)	(a)	286	(a)	(a)	921	(a)	332	(a)
1955	3,670	319	38	510	(a)	(a)	1,945	2,167	645	2,812	590	766	(a)
1956	3,941	390	(a)	1,182	(a)	(a)	2,227	(a)	(a)	3,799	(a)	964	(a)
1960	4,951	530	110	660	4,800	1,020	5,820	3,760	3,360	7,120	759	1,438	1,210
1965	5,805	710	142	3,200	8,100	961	9,061	6,852	6,261	13,113	1,180	2,259	1,639
1970	6,789	884	195	2,099	11,076	1,059	12,135	5,768	9,545	15,313	849	2,255	1,934
1975	8,485	1,146	266	2,868	13,137	1,003	14,140	6,918	11,502	18,420	815	2,170	[1]2,393

(a) Data not available.

[1] Does not include that portion of conveyance loss that is consumed.

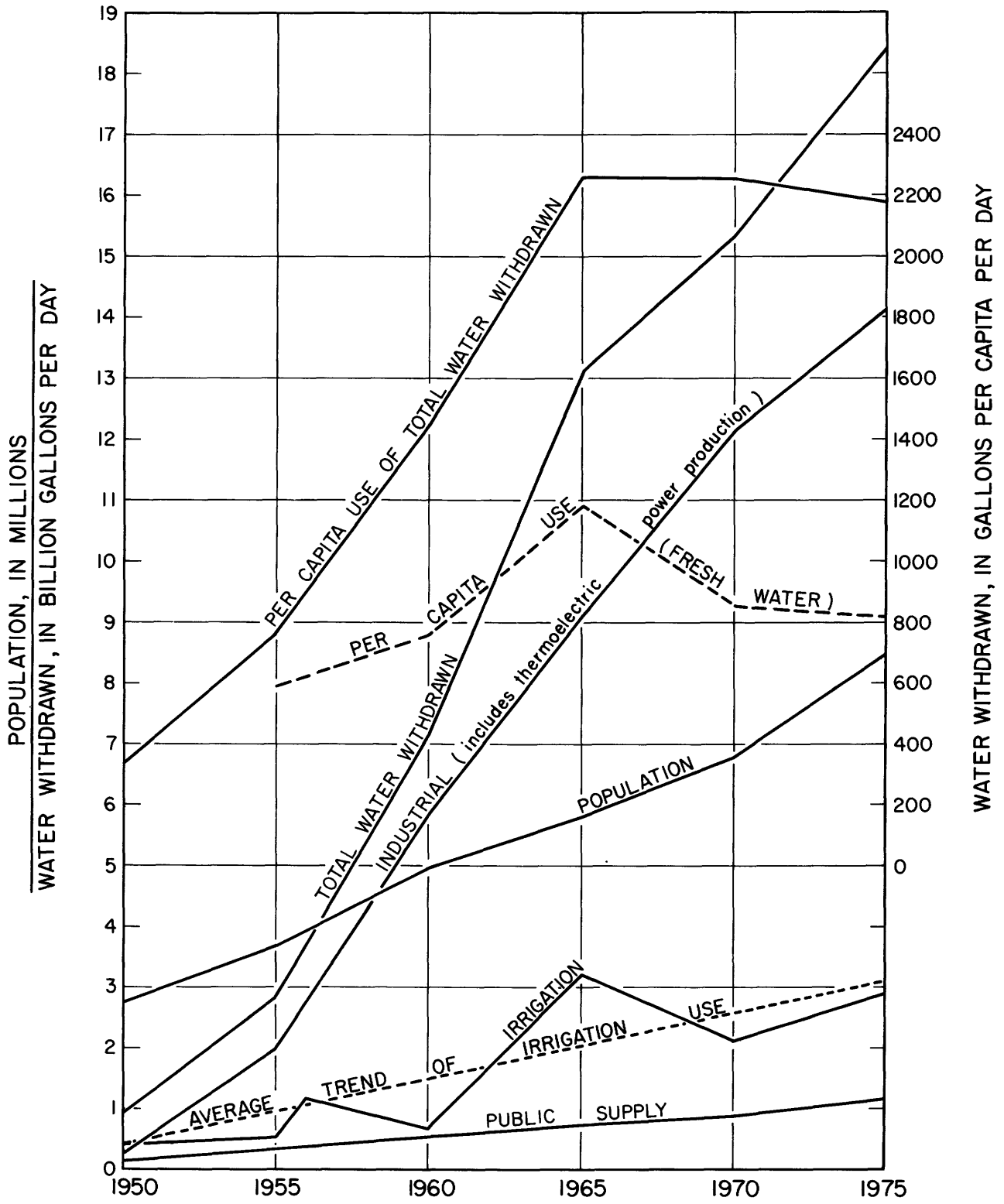


Figure 8.--Trends in population and withdrawals of water, 1950-75.

In Florida there are several counties that use more than 200 Mgal/d of freshwater. Of these Polk County is the largest user of freshwater, 714 Mgal/d, and Palm Beach County is second with 660 Mgal/d. In 1975, Palm Beach County used more than 76 percent of its freshwater withdrawal for irrigation; Polk County used more than 80 percent for phosphate mining and thermoelectric power production. Liberty County had the smallest freshwater use; less than 1 Mgal/d. The total freshwater use for Franklin, Gilchrist, Holmes, Union, and Washington Counties, was just over 1 Mgal/d.

The quantity of saline water used for thermoelectric power generation obviously is not correlatable with the population of the county in which the plant is located. For example, Citrus County, with a population of 35,252 used 919 Mgal/d of saline water for cooling, while in the coastal counties, Manatee and Sarasota, each with a population of over 120 thousand the use of saline water is zero--there are no steam plants there. The seeming disparity between county population and water use results, of course, from the fact that thermoelectric power plants supply electricity outside the counties in which the power generation takes place.

Table 9.--Total water withdrawn for all uses by counties, 1975.

County	Municipal Fresh	Rural Fresh	Industrial Fresh	Industrial Saline	Irrigation Fresh	Thermoelectric Fresh	Thermoelectric Saline	Totals Mgal/d Fresh	Totals Mgal/d Saline
Alachua	14.90	5.01	6.53	-	5.97	1.40	-	33.81	0
Baker	0.54	1.75	0.32	-	0.67	-	-	3.28	0
Bay	34.54	1.12	1.35	-	0.0	0.68	228.7	37.69	228.7
Bradford	0.83	1.08	3.96	-	0.06	-	-	5.93	-
Brevard	27.12	6.10	0.45	-	58.49	0.53	1,612.0	92.69	1,612.0
Broward	139.78	8.61	3.50	-	77.42	0.53	1,678.0	229.84	1,678.0
Calhoun	0.28	0.65	0.36	-	2.58	-	-	3.87	-
Charlotte	4.08	1.51	0.10	-	34.31	-	-	40.00	-
Citrus	0.59	3.38	1.32	-	0.47	0.63	919.0	6.39	919.0
Clay	5.01	2.28	10.92	-	0.04	-	-	18.25	-
Collier	11.93	1.40	0.0	-	69.52	-	-	82.85	-
Columbia	1.70	1.77	0.12	-	1.14	-	-	4.73	-
Dade	264.55	9.65	3.38	-	90.42	0.09	504.0	368.09	504.0
DeSoto	0.76	4.05	0.59	-	63.79	-	-	69.19	-
Dixie	0.42	0.64	3.54	-	0.15	-	-	4.75	-
Duval	95.42	7.80	48.77	-	2.02	42.12	653.8	196.13	653.8
Escambia	27.80	6.47	76.45	3.04	0.90	267.92	-	379.54	3.0
Flagler	0.62	0.38	0.0	-	8.39	-	-	9.39	-
Franklin	0.99	0.13	0.01	-	0.0	-	-	1.13	-
Gadsden	2.14	2.40	2.03	-	2.43	-	-	9.00	-
Gilchrist	0.38	0.54	0.03	-	0.18	-	-	1.13	-
Glades	0.20	1.10	0.0	-	52.78	-	-	54.08	-
Gulf	0.75	0.55	33.72	13.00	0.22	-	-	35.24	13.0
Hamilton	0.60	0.76	30.30	-	1.49	-	-	33.15	-
Hardee	1.20	3.95	1.45	-	90.51	0.23	-	97.34	-
Hendry	2.05	5.30	0.82	-	289.06	-	-	297.23	-
Hernando	0.75	5.14	61.68	-	0.69	-	-	68.26	-
Highlands	4.26	3.04	0.70	-	144.40	95.23	-	247.63	-
Hillsborough	59.87	26.13	16.12	45.00	45.90	2.41	3,031.0	150.43	3,076.0
Holmes	0.20	1.25	0.02	-	0.07	-	-	1.54	-
Indian River	4.49	3.14	0.44	-	297.82	0.43	60.0	306.32	60.0
Jackson	1.78	2.88	0.80	-	6.01	120.72	-	132.19	-
Jefferson	0.44	1.37	0.02	-	0.69	-	-	2.52	-
Lafayette	0.14	1.46	0.0	-	1.52	-	-	3.12	-
Lake	9.85	4.70	20.65	-	57.32	-	-	92.52	-
Lee	16.82	2.33	8.40	-	64.06	0.11	568.0	91.72	568.0
Leon	15.83	3.38	33.61	-	0.59	1.18	-	54.59	-
Levy	0.98	1.49	0.0	-	1.29	-	-	3.76	-
Liberty	0.09	0.25	0.33	-	0.0	-	-	0.67	-
Madison	1.09	1.05	0.03	-	1.84	-	-	4.01	-
Manatee	18.91	6.23	1.99	-	23.98	25.02	-	76.13	-
Marion	6.23	8.58	0.30	-	16.92	-	-	32.03	-
Martin	5.72	2.95	0.08	-	83.50	-	-	92.25	-
Monroe	7.67	0.0	0.0	-	0.0	0.10	47.5	7.77	47.5
Nassau	2.40	2.24	57.93	2.00	0.52	45.00	-	108.09	2.0
Okaloosa	9.31	2.39	6.05	-	0.72	-	-	18.47	-
Okeechobee	1.04	3.00	0.0	-	82.87	-	-	86.91	-

Table 9.--Total water withdrawn for all uses by counties, 1975. (continued)

County	Municipal	Rural	Industrial		Irrigation	Thermoelectric		Total Mgal/d	
	Fresh	Fresh	Fresh	Saline	Fresh	Fresh	Saline	Fresh	Saline
Orange	63.35	8.88	14.78	-	32.68	77.48	-	197.17	-
Osceola	3.65	2.72	0.70	-	12.14	0.05	-	19.26	-
Palm Beach	94.41	15.40	46.54	-	503.29	0.69	657.0	660.33	657.0
Pasco	2.96	13.60	25.01	-	47.19	0.23	670.0	88.99	670.0
Pinellas	76.97	6.98	1.30	-	33.77	0.14	794.0	119.16	794.0
Polk	31.23	11.94	272.23	-	99.35	298.80	-	713.55	0.2
Putnam	2.58	6.15	37.20	-	15.80	120.06	-	181.79	-
St. Johns	2.67	2.49	2.00	-	28.78	-	-	35.94	-
St. Lucie	6.14	4.78	0.19	-	368.09	-	-	379.20	-
Santa Rosa	3.40	1.29	17.67	-	0.33	-	-	22.69	-
Sarasota	10.31	8.03	2.99	-	19.99	-	-	41.32	-
Seminole	10.45	8.05	2.59	-	10.98	-	-	32.07	-
Sumter	0.61	2.11	16.06	-	3.39	-	-	22.17	-
Suwannee	1.13	1.54	2.39	-	1.42	172.91	-	179.39	-
Taylor	1.37	0.65	57.02	-	0.19	-	-	59.23	-
Union	0.55	0.92	0.0	-	0.20	-	-	1.67	-
Volusia	25.06	6.70	0.14	-	5.36	314.03	16.0	351.29	16.0
Wakulla	0.26	0.46	1.23	-	0.0	105.58	-	107.53	-
Walton	1.08	0.96	0.41	-	0.78	-	-	3.23	-
Washington	0.59	0.97	0.0	-	0.0	-	-	1.56	-

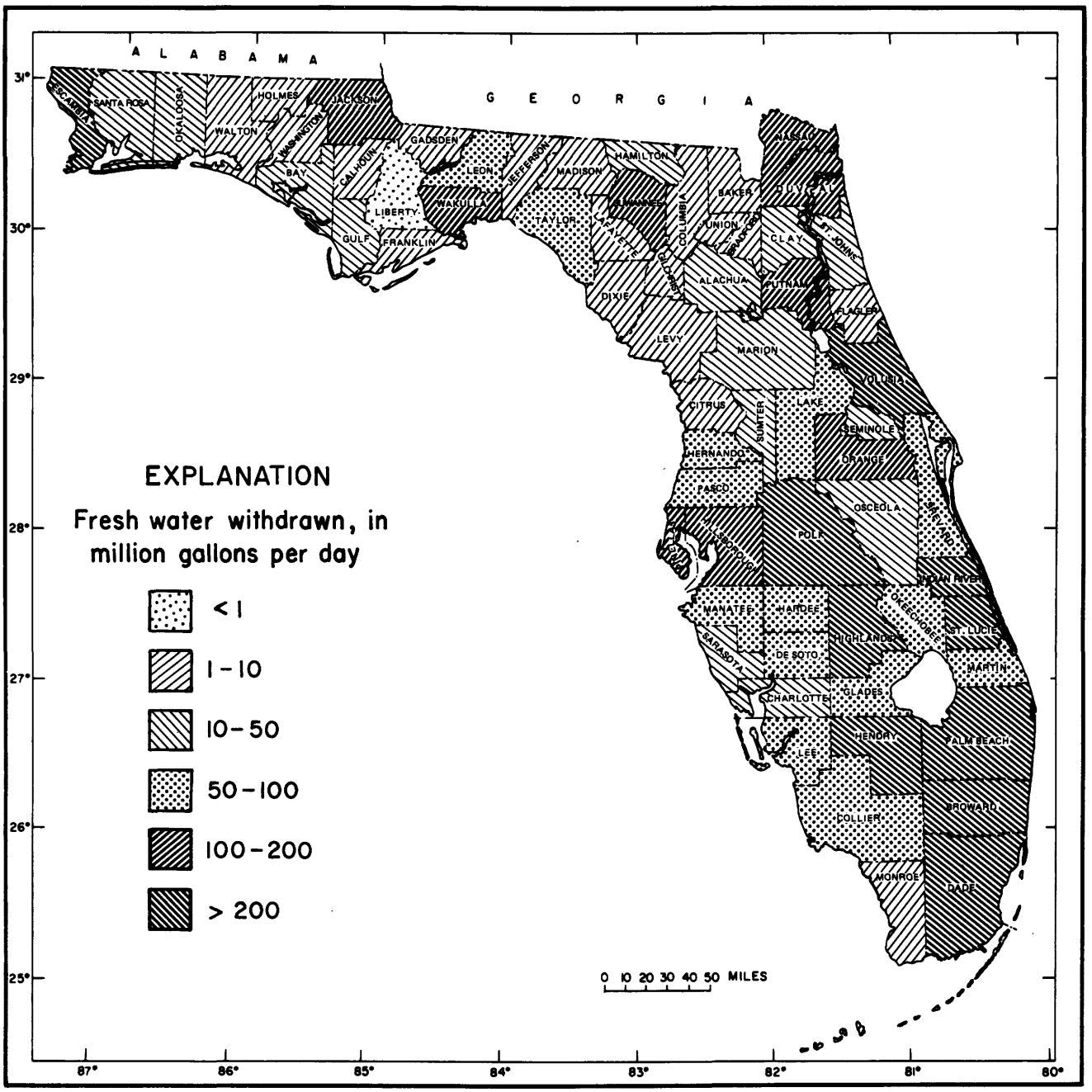


Figure 9.--Total freshwater withdrawn for all uses by counties, 1975.

SELECTED REFERENCES

Florida Department of Natural Resources, 1970, Report on water and related land resources availability and use in the St. Johns River basin and adjoining coastal area.

Florida Development Commission, 1965, Population of Florida.

Florida Division of Water Resources, 1966, Report on land and water resources needs and availability in the Florida west coast tributaries area.

Florida Water Resources Study Commission, 1956, Florida's water resources: Report to the Governor of Florida and the 1957 legislature.

Healy, H. G., 1972, Public water supplies of selected municipalities in Florida, 1970: Florida Bureau of Geol. Inf. Circ. No. 81.

_____ 1977, Public water supplies of selected municipalities in Florida 1975: U.S. Geol. Survey Water-Resources Inv. 77-53.

Hughes, G. H., 1975, Perspective on use of fresh water for cooling systems of thermoelectric powerplants in Florida: U.S. Geol. Survey Water-Resources Inv. 43-75.

Hughes, G. H., Hampton, E. R., and Tucker, D. F., 1971, Annual and seasonal rainfall in Florida: Florida Dept. Nat. Resources, Bur. of Geology, Map Series 40.

MacKichan, K. A., 1951, Estimated use of water in the United States, 1950: U.S. Geol. Survey Circ. 115.

_____ 1957, Estimated use of water in the United States, 1955: U.S. Geol. Survey Circ. 398.

MacKichan, K. A. and Kammerer, J. C., 1961, Estimated use of water in the United States, 1960: U.S. Geol. Survey Circ. 456.

Murray, C. R., 1968, Estimated use of water in the United States, 1965: U.S. Geol. Survey Circ. 556.

Murray, C. R. and Reeves, E. B., 1972, Estimated use of water in the United States in 1970: U.S. Geol. Survey Circ. 676.

Pride, R. W., 1970, Estimated water use in Florida, 1965: Florida Bureau of Geol. Map Series 36.

_____ 1973, Estimated use of water in Florida, 1970: Florida Bureau of Geol. Inf. Circ. No. 83.

Snell, L. J. and Anderson, Warren, 1970, Water resources of northeast Florida: Florida Bureau of Geol. Rept. of Inv. 54.

U.S. Department of Agriculture, 1967, Irrigation water requirements, Soil Conservation Service, Technical Release 21.

_____ 1970, Florida Agricultural Stabilization and Conservation Service, Ann. Rept.

_____ 1971, Livestock and poultry inventory, January 1: Statistical Reporting Service, Crop Reporting Board, Ann. Rept.

U.S. Department of Commerce, 1971, 1970 Census of Population, Number of Inhabitants, Florida.

U.S. Federal Power Commission, 1971, Production of electric energy by electric utilities by states and type of plant 1970 (preliminary) with comparative 1969 data: Florida Power Commission News Release March 18, 1971.

University of Florida, 1969, DARE Report: Institute of Food and Agricultural Sciences, Publ. 7.

_____ 1971, The DARE Report 1971: Institute of Food and Agricultural Sciences, Publ. 10.

_____ 1975, Bureau of Economic and Business Research, Division of Population Studies.

U.S. Water Resources Council, 1970, Water resources regions and subregions for the national assessment of water and related land resources.

SUMMARY DATA A

Water Use by Water Management Districts

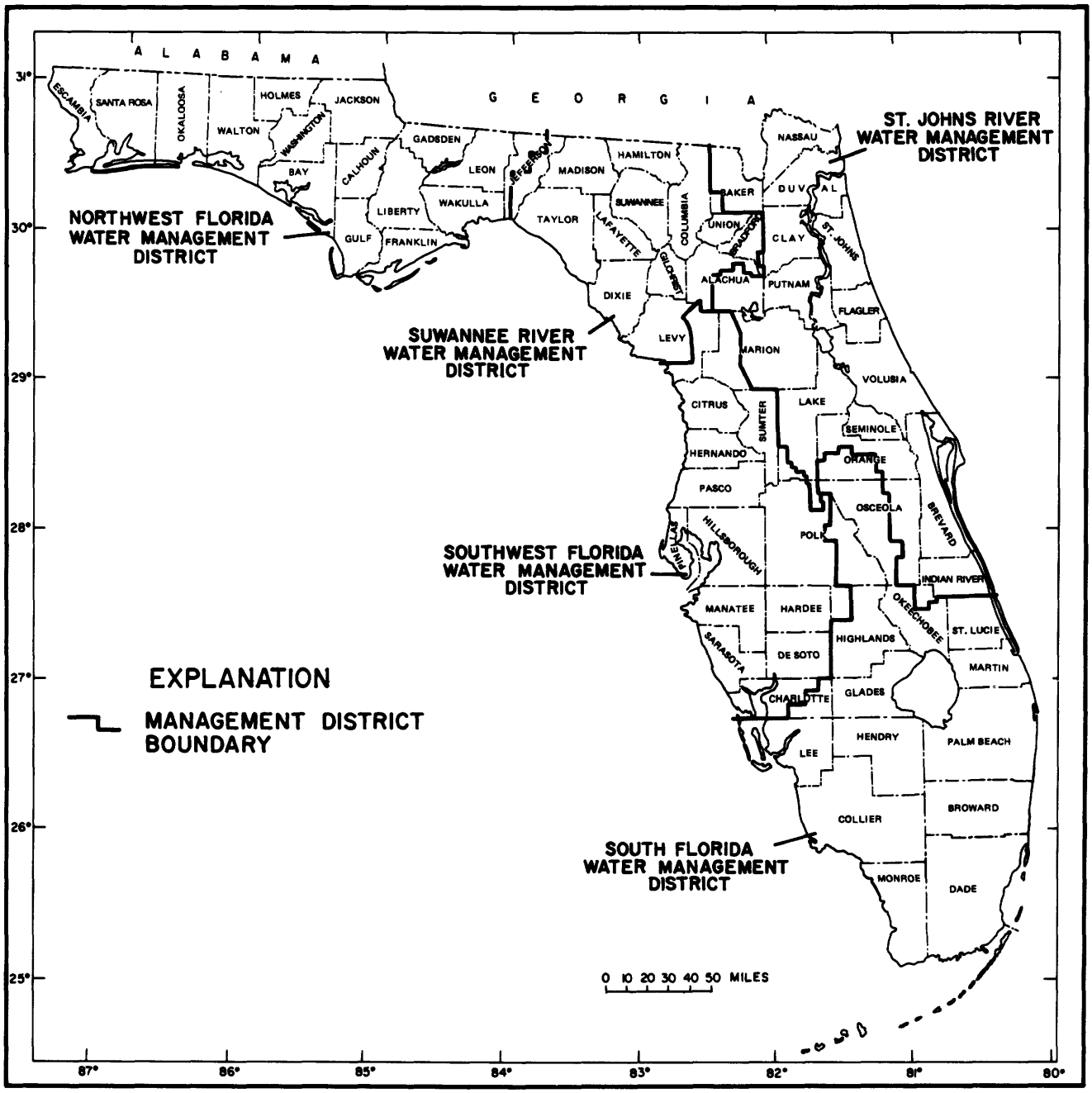


Figure 10.--The five Water Management Districts in Florida.

TABLE 10.--P U B L I C S U P P L Y W A T E R U S E I N F L O R I D A

BY WATER MANAGEMENT DISTRICTS, 1975

COUNTY		POPULATION (THSNDS) TOTAL	MUNIC	RURAL	POPULATION SERVED (THSNDS) GW	SW	ALL WTR	WATER WITHDRAWN (MGD) GW	SW	TOTAL	PER CAP	WATER DELIVERED (MGD) BY USES PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	WATER CONSUMED (MGD)
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT																	
BAY	2	91.6	65.3	26.3	17.7	65.0	82.7	1.95	32.59	34.54	418	7.84	0.0	25.56	1.14	0.0	12.49
CALHOUN	2	8.3	3.0	5.3	3.0	0.0	3.0	0.28	0.0	0.28	93	0.21	0.0	0.0	0.07	0.0	0.05
ESCAMBIA		224.9	67.2	157.7	192.1	0.0	192.1	27.46	0.34	27.80	145	19.43	0.06	0.0	8.31	0.0	5.51
FRANKLIN	2	7.9	4.3	3.6	6.7	0.0	6.7	0.99	0.0	0.99	148	0.72	0.0	0.06	0.22	0.0	0.69
GADSDEN	2	39.1	18.6	20.5	8.5	10.9	19.4	0.96	1.18	2.14	110	1.97	0.0	0.0	0.17	0.0	1.09
GULF	2	10.9	6.7	4.2	1.9	4.7	6.6	0.11	0.64	0.75	114	0.47	0.0	0.26	0.01	0.0	0.15
HOLMES		12.5	3.4	9.1	4.0	0.0	4.0	0.20	0.0	0.20	50	0.14	0.0	0.03	0.03	0.0	0.14
JACKSON	2	41.2	16.3	24.9	16.8	0.0	16.8	1.77	0.01	1.78	106	1.30	0.0	0.16	0.31	0.01	0.75
JEFFERSON	4	7.7	2.5	5.2	3.0	0.0	3.0	0.44	0.0	0.44	147	0.38	0.02	0.0	0.04	0.0	0.14
LEON		133.2	86.4	46.8	101.2	0.4	101.6	15.83	0.0	15.83	156	12.96	0.0	0.0	2.87	0.0	3.89
LIBERTY	2	3.9	0.7	3.2	1.5	0.0	1.5	0.09	0.0	0.09	60	0.07	0.01	0.0	0.01	0.0	0.02
OKALOOSA		102.0	48.9	53.1	79.8	0.0	79.8	9.31	0.0	9.31	117	8.53	0.12	0.0	0.66	0.0	4.16
SANTA ROSA		46.9	14.7	32.2	37.9	0.0	37.9	3.40	0.0	3.40	90	2.99	0.06	0.0	0.35	0.0	1.04
WAKULLA		8.8	0.7	8.1	4.5	0.0	4.5	0.26	0.0	0.26	58	0.26	0.0	0.0	0.0	0.0	0.06
WALTON		18.0	6.5	11.5	10.6	0.0	10.6	1.08	0.0	1.08	102	0.86	0.0	0.02	0.18	0.02	0.52
WASHINGTON	2	14.1	6.0	8.1	6.4	0.4	6.8	0.59	0.0	0.59	87	0.58	0.0	0.0	0.01	0.0	0.07
WMD TOTAL		771.0	351.2	419.8	495.6	81.4	577.0	64.72	34.76	99.48	172	58.72	0.27	26.09	14.38	0.02	30.77
SUWANNEE RIVER WATER MANAGEMENT DISTRICT																	
ALACHUA	3	31.6	9.7	21.9	7.6	0.0	7.6	0.82	0.0	0.82	108	0.82	0.0	0.0	0.0	0.0	0.0
BAKER	2	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
BRADFORD	2	16.0	6.7	9.3	8.3	0.0	8.3	0.83	0.0	0.83	100	0.67	0.0	0.0	0.16	0.0	0.0
COLUMBIA	2	28.8	11.5	17.3	15.9	0.0	15.9	1.70	0.0	1.70	107	1.04	0.0	0.17	0.41	0.08	0.67
DIXIE		6.6	2.5	4.1	3.8	0.0	3.8	0.42	0.0	0.42	111	0.40	0.0	0.0	0.02	0.0	0.07
GILCHRIST		5.1	1.7	3.4	1.5	0.0	1.5	0.38	0.0	0.38	253	0.38	0.0	0.0	0.0	0.0	0.09
HAMILTON		8.6	3.8	4.8	5.9	0.0	5.9	0.60	0.0	0.60	102	0.53	0.0	0.02	0.05	0.0	0.13
JEFFERSON	4	1.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
LAFAYETTE		3.1	0.8	2.3	1.0	0.0	1.0	0.14	0.0	0.14	140	0.08	0.0	0.0	0.03	0.03	0.03
LEVY	4	9.0	2.5	6.5	3.3	0.0	3.3	0.39	0.0	0.39	118	0.39	0.0	0.0	0.0	0.0	0.09
MADISON		14.4	5.4	9.0	7.0	0.0	7.0	1.09	0.0	1.09	156	0.74	0.0	0.30	0.05	0.0	0.67
PUTNAM	2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
SUWANNEE		18.9	8.1	10.8	9.1	0.0	9.1	1.13	0.0	1.13	124	0.86	0.03	0.04	0.21	0.0	0.67
TAYLOR		14.6	8.0	6.6	10.4	0.0	10.4	1.37	0.0	1.37	132	1.03	0.0	0.0	0.30	0.04	0.54
UNION		10.4	2.2	8.2	1.7	0.0	1.7	0.55	0.0	0.55	324	0.20	0.0	0.30	0.05	0.0	0.27
WMD TOTAL		170.5	62.9	107.6	75.5	0.0	75.5	9.42	0.0	9.42	125	7.13	0.03	0.82	1.29	0.14	3.23

TABLE 10.-- PUBLIC SUPPLY WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		POPULATION (THSNDS) TOTAL	MUNIC	RURAL	POPULATION SERVED (THSNDS) GW	SW	ALL WTR	WATER WITHDRAWN (MGD) GW	SW	TOTAL	PER CAP	WATER DELIVERED (MGD) BY USES PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	WATER CONSUMED (MGD)
ST. JOHNS WATER MANAGEMENT DISTRICT																	
ALACHUA	3	99.2	76.6	22.6	83.1	0.0	83.1	14.08	0.0	14.08	169	14.08	0.0	0.0	0.0	0.0	5.82
BAKER	2	10.7	4.0	6.7	4.1	0.0	4.1	0.54	0.0	0.54	132	0.46	0.0	0.0	0.08	0.0	0.49
BRADFORD	2	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
BREVARD		252.0	157.1	94.9	134.9	90.0	224.9	A/18.22	8.90	A/27.12	121	27.12	0.0	0.0	0.0	0.0	8.85
CLAY	2	47.7	16.7	31.0	29.7	0.0	29.7	5.01	0.0	5.01	169	4.65	0.0	0.06	0.22	0.08	0.81
DUVAL	2	578.3	578.3	0.0	523.7	0.0	523.7	95.42	0.0	95.42	182	69.46	0.0	7.54	13.20	5.22	29.90
FLAGLER		6.6	3.5	3.1	6.0	0.0	6.0	0.62	0.0	0.62	103	0.62	0.0	0.0	0.0	0.0	0.26
INDIAN RIVER		46.3	18.1	28.2	18.6	0.0	18.6	4.49	0.0	4.49	241	3.81	0.0	0.28	0.40	0.0	1.79
LAKE	4	83.4	45.8	37.6	50.5	0.0	50.5	9.85	0.0	9.85	195	7.09	0.0	0.36	2.39	0.0	4.00
MARION	5	82.4	4.6	77.8	36.4	0.0	36.4	6.05	0.0	6.05	166	5.93	0.0	0.09	0.02	0.0	2.89
NASSAU		29.1	10.3	18.8	5.8	0.0	5.8	2.40	0.0	2.40	414	1.24	0.18	0.70	0.27	0.0	0.61
OKEECHOBEE	2	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
ORANGE	3	379.2	173.6	205.6	321.1	0.0	321.1	G/60.80	0.0	G/60.80	189	56.42	0.0	2.19	2.19	0.0	29.56
OSCEOLA	4	6.9	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
POLK	4	6.0	2.8	3.2	3.2	0.0	3.2	0.42	0.0	0.42	131	0.42	0.0	0.0	0.0	0.0	0.24
PUTNAM	2	43.4	13.6	29.8	14.9	0.0	14.9	2.58	0.0	2.58	173	2.58	0.0	0.0	0.0	0.0	0.87
ST JOHNS		40.2	14.3	25.9	21.2	0.0	21.2	2.67	0.0	2.67	126	2.49	0.0	0.18	0.0	0.0	0.17
SEMINOLE		136.4	68.9	67.5	63.1	0.0	63.1	10.45	0.0	10.45	166	9.40	0.0	0.0	0.92	0.13	3.13
VOLUSIA		212.4	137.0	75.4	147.7	0.0	147.7	25.06	0.0	25.06	170	21.22	0.0	1.76	1.83	0.25	12.07
WMD TOTAL		2061.6	1325.2	736.4	1464.0	90.0	1554.0	258.66	8.90	267.56	172	226.99	0.18	13.17	21.54	5.68	101.46
SOUTH FLORIDA WATER MANAGEMENT DISTRICT																	
BROWARD		876.3	730.8	145.5	812.0	0.0	812.0	139.78	0.0	139.78	172	102.66	20.71	5.12	8.70	2.58	80.91
CHARLOTTE	4	1.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
COLLIER		62.7	17.7	45.0	52.4	0.0	52.4	11.93	0.0	11.93	228	9.35	2.28	0.10	0.10	0.10	7.43
DADE		B/1638.0	803.5	834.5	1546.4	0.0	1546.4	C/264.55	0.0	C/264.55	171	221.28	0.0	12.44	20.96	9.87	155.89
GLADES		5.1	1.2	3.9	1.2	0.0	1.2	0.20	0.0	0.20	167	0.18	0.0	0.0	0.02	0.0	0.04
HENDRY		15.9	7.3	8.6	3.2	6.9	10.1	0.25	1.80	2.05	203	1.42	0.0	0.63	0.0	0.0	1.83
HIGHLANDS	4	14.3	0.7	13.6	1.4	0.0	1.4	0.10	0.0	0.10	71	0.10	0.0	0.0	0.0	0.0	0.02
LEE	2	156.5	58.2	98.3	112.8	35.0	147.8	9.97	6.85	16.82	114	14.60	0.0	1.08	1.14	0.0	3.44
MARTIN		47.7	10.8	36.9	23.8	0.0	23.8	5.72	0.0	5.72	240	5.42	0.0	0.15	0.15	0.0	2.60
MONROE		55.7	30.3	25.4	43.5	12.2	55.7	E/5.96	F/1.71	7.67	138	6.60	0.0	0.0	0.77	0.31	7.67
OKEECHOBEE	2	15.9	4.2	11.7	0.0	8.2	8.2	0.0	1.04	1.04	127	0.94	0.0	0.0	0.10	0.0	0.42
ORANGE	3	45.4	1.0	44.4	18.0	0.0	18.0	2.55	0.0	2.55	142	2.55	0.0	0.0	0.0	0.0	0.51
OSCEOLA	4	29.8	18.2	11.6	19.0	0.0	19.0	3.65	0.0	3.65	192	3.30	0.0	0.34	0.0	0.0	0.79
PALM BEACH		477.8	337.8	140.0	282.2	109.7	391.9	62.98	31.43	94.41	241	74.93	0.0	6.61	6.73	6.14	43.51
POLK	4	23.2	1.7	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
ST LUCIE	2	69.1	37.1	32.0	42.5	0.0	42.5	6.14	0.0	6.14	144	5.70	0.0	0.11	0.27	0.05	2.43
WMD TOTAL		3535.1	2060.5	1474.6	2958.4	172.0	3130.4	513.78	42.83	556.61	178	449.03	22.99	26.59	38.95	19.05	307.49

TABLE 10.-- P U B L I C S U P P L Y W A T E R U S E I N F L O R I D A

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		POPULATION (THSNDS) TOTAL	MUNIC	RURAL	POPULATION SERVED (THSNDS) GW	SW	ALL WTR	WATER WITHDRAWN (MGD) GW	SW	TOTAL	PER CAP	WATER DELIVERED (MGD) BY USES PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	WATER CONSUMED (MGD)
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT																	
CHARLOTTE	4	40.5	6.1	34.4	1.7	30.3	32.0	0.18	3.90	4.08	128	3.63	0.0	0.0	0.45	0.0	2.15
CITRUS		35.3	5.7	29.6	5.5	0.0	5.5	0.59	0.0	0.59	107	0.40	0.0	0.0	0.19	0.0	0.14
DESOTO		18.2	6.1	12.1	7.0	0.0	7.0	0.76	0.0	0.76	109	0.68	0.0	0.05	0.03	0.0	0.38
HARDEE		18.5	7.0	11.5	6.9	0.0	6.9	1.20	0.0	1.20	174	1.20	0.0	0.0	0.0	0.0	0.20
HERNANDO		28.5	4.8	23.7	5.0	0.0	5.0	0.75	0.0	0.75	150	0.75	0.0	0.0	0.0	0.0	0.19
HIGHLANDS	4	28.5	16.4	12.1	23.0	0.0	23.0	4.16	0.0	4.16	181	3.74	0.0	0.05	0.36	0.0	2.48
HILLSBOROUGH		605.6	318.6	287.0	53.6	350.0	403.6	D/7.17	52.70	D/59.87	148	55.14	0.0	3.61	0.80	0.32	8.55
LAKE	4	3.3	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
LEVY	4	6.6	5.1	1.5	3.7	0.0	3.7	0.59	0.0	0.59	159	0.59	0.0	0.0	0.0	0.0	0.14
MANATEE		123.5	45.0	78.5	0.0	80.0	80.0	0.0	18.91	18.91	236	12.91	0.0	6.00	0.0	0.0	11.92
MARION	5	11.1	1.3	9.8	1.2	0.0	1.2	0.18	0.0	0.18	150	0.18	0.0	0.0	0.0	0.0	0.10
PASCO		130.2	20.6	109.6	26.3	0.0	26.3	H/2.96	0.0	H/2.96	113	2.85	0.0	0.0	0.10	0.0	1.73
PINELLAS		666.6	500.4	166.2	604.6	0.0	604.6	I/76.97	0.0	I/76.97	127	62.98	0.22	3.19	4.00	6.58	68.44
POLK	4	246.8	121.4	125.4	179.8	0.0	179.8	30.81	0.0	30.81	171	28.20	1.02	0.62	0.97	0.0	18.47
SARASOTA		163.2	67.7	95.5	87.0	2.9	89.9	9.33	0.98	10.31	115	7.93	0.0	0.71	0.48	1.19	2.02
SUMTER	2	20.6	6.1	14.5	7.3	0.0	7.3	0.61	0.0	0.61	84	0.53	0.0	0.0	0.08	0.0	0.12
WMD TOTAL		2147.0	1132.3	1014.7	1012.6	463.2	1475.8	136.26	76.49	212.75	144	181.72	1.24	14.23	7.47	8.09	117.03
STATE TOTAL		B/8685.2	4932.1	3753.1	6006.1	806.6	6812.7	982.84	162.98	1145.82	168	923.59	24.71	80.90	83.63	33.00	559.98

A/ Includes 14.4 Mgal/d imported from Orange County.
B/ Includes an estimated 200,000 tourists in Dade County.
C/ Does not include 5.96 Mgal/d exported to Monroe County.
D/ Does not include 24.27 Mgal/d exported to Pinellas County.
E/ Imported from Dade County.
F/ Production from desalination plant at Stock Island, Florida.
G/ Does not include 14.4 Mgal/d exported to Brevard County.
H/ Does not include 15.7 Mgal/d exported to Pinellas County.
I/ Includes 24.27 Mgal/d exported from Hillsborough County and 15.7 Mgal/d exported from Pasco County.

TABLE 11.-- RURAL WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE(MGD) WITHDRAWN SW	DOMESTIC USE(MGD) WITHDRAWN GW	DOMESTIC USE(MGD) WITHDRAWN ALL WATER	DOMESTIC USE(MGD) CONSUMED	LIVESTOCK USE(MGD) WITHDRAWN SW	LIVESTOCK USE(MGD) WITHDRAWN GW	LIVESTOCK USE(MGD) WITHDRAWN ALL WATER	LIVESTOCK USE(MGD) CONSUMED	ALL USES(MGD) WITHDRAWN SW	ALL USES(MGD) WITHDRAWN GW	ALL USES(MGD) WITHDRAWN ALL WATER	ALL USES(MGD) CONSUMED
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT														
BAY	2	8.9	0.0	0.89	0.89	0.18	0.16	0.07	0.23	0.23	0.16	0.96	1.12	0.41
CALHOUN	2	5.3	0.01	0.50	0.51	0.41	0.11	0.03	0.14	0.14	0.12	0.53	0.65	0.55
ESCAMBIA		32.8	0.0	3.28	3.28	0.60	0.17	3.02	3.19	3.19	0.17	6.30	6.47	3.79
FRANKLIN	2	1.2	0.0	0.12	0.12	0.03	0.01	0.0	0.01	0.01	0.01	0.12	0.13	0.04
GADSDEN	2	19.7	0.10	1.97	2.07	1.58	0.30	0.03	0.33	0.33	0.40	2.00	2.40	1.91
GULF	2	4.3	0.0	0.43	0.43	0.08	0.08	0.04	0.12	0.12	0.08	0.47	0.55	0.20
HOLMES		8.5	0.0	0.85	0.85	0.17	0.26	0.14	0.40	0.40	0.26	0.99	1.25	0.57
JACKSON	2	24.4	0.0	2.48	2.48	0.49	0.11	0.29	0.40	0.40	0.11	2.77	2.88	0.89
JEFFERSON	4	4.7	0.0	0.25	0.25	0.02	0.04	0.69	0.73	0.73	0.04	0.94	0.98	0.75
LEON		31.6	0.0	3.21	3.21	0.64	0.12	0.05	0.17	0.17	0.12	3.26	3.38	0.81
LIBERTY	2	2.4	0.0	0.24	0.24	0.04	0.01	0.0	0.01	0.01	0.01	0.24	0.25	0.05
OKALOOSA		22.2	0.0	2.21	2.21	0.44	0.11	0.07	0.18	0.18	0.11	2.28	2.39	0.62
SANTA ROSA		9.0	0.0	1.05	1.05	0.21	0.17	0.07	0.24	0.24	0.17	1.12	1.29	0.45
WAKULLA		4.3	0.0	0.42	0.42	0.08	0.03	0.01	0.04	0.04	0.03	0.43	0.46	0.12
WALTON		7.4	0.74	0.0	0.74	0.59	0.14	0.08	0.22	0.22	0.88	0.08	0.96	0.81
WASHINGTON	2	7.3	0.0	0.80	0.80	0.64	0.07	0.10	0.17	0.17	0.07	0.90	0.97	0.81
WMD TOTAL		194.0	0.85	18.70	19.55	6.20	1.89	4.69	6.58	6.58	2.74	23.39	26.13	12.78
SUWANNEE RIVER WATER MANAGEMENT DISTRICT														
ALACHUA	3	24.0	0.0	1.89	1.89	0.94	0.30	0.30	0.60	0.60	0.30	2.19	2.49	1.54
BAKER	2	1.6	0.0	0.16	0.16	0.0	0.01	0.07	0.08	0.06	0.01	0.23	0.24	0.06
BRADFORD	2	7.7	0.0	0.93	0.93	0.67	0.08	0.04	0.12	0.12	0.08	0.97	1.05	0.79
COLUMBIA	2	12.9	0.0	1.33	1.33	1.06	0.17	0.27	0.44	0.44	0.17	1.60	1.77	1.50
DIXIE		2.8	0.0	0.29	0.29	0.06	0.03	0.32	0.35	0.13	0.03	0.61	0.64	0.19
GILCHRIST		3.6	0.0	0.36	0.36	0.07	0.12	0.06	0.18	0.18	0.12	0.42	0.54	0.25
HAMILTON		2.7	0.0	0.28	0.28	0.22	0.07	0.41	0.48	0.48	0.07	0.69	0.76	0.70
JEFFERSON	4	1.7	0.0	0.17	0.17	0.02	0.02	0.20	0.22	0.22	0.02	0.37	0.39	0.24
LAFAYETTE		2.1	0.0	0.21	0.21	0.04	0.02	1.23	1.25	1.25	0.02	1.44	1.46	1.29
LEVY	4	5.7	0.0	0.57	0.57	0.11	0.0	0.42	0.42	0.42	0.0	0.99	0.99	0.53
MADISON		7.4	0.0	0.75	0.75	0.60	0.03	0.27	0.30	0.24	0.03	1.02	1.05	0.84
PUTNAM	2	0.1	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0
SUWANNEE		9.8	0.0	0.99	0.99	0.79	0.02	0.53	0.55	0.55	0.02	1.52	1.54	1.34
TAYLOR		4.2	0.0	0.42	0.42	0.08	0.11	0.12	0.23	0.23	0.11	0.54	0.65	0.31
UNION		8.7	0.0	0.87	0.87	0.17	0.0	0.05	0.05	0.05	0.0	0.92	0.92	0.22
WMD TOTAL		95.0	0.0	9.23	9.23	4.83	0.91	4.29	5.27	4.97	0.98	13.52	14.50	9.80

TABLE 11.-- RURAL WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE(MGD) WITHDRAWN SW	DOMESTIC USE(MGD) WITHDRAWN GW	DOMESTIC USE(MGD) WITHDRAWN ALL WATER	DOMESTIC USE(MGD) CONSUMED	LIVESTOCK USE(MGD) WITHDRAWN SW	LIVESTOCK USE(MGD) WITHDRAWN GW	LIVESTOCK USE(MGD) WITHDRAWN ALL WATER	LIVESTOCK USE(MGD) CONSUMED	ALL USES(MGD) WITHDRAWN SW	ALL USES(MGD) WITHDRAWN GW	ALL USES(MGD) WITHDRAWN ALL WATER	ALL USES(MGD) CONSUMED
ST. JOHNS WATER MANAGEMENT DISTRICT														
ALACHUA	3	16.1	0.0	1.92	1.92	0.96	0.30	0.30	0.60	0.60	0.30	2.22	2.52	1.56
BAKER	2	6.6	0.0	0.66	0.66	0.0	0.04	0.81	0.85	0.70	0.04	1.47	1.51	0.70
BRADFORD	2/	0.3	0.0	0.03	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.03	0.03	0.01
BREVARD		27.1	0.0	2.70	2.70	0.90	0.20	3.20	3.40	3.40	0.20	5.90	6.10	4.30
CLAY	2	18.0	0.0	1.81	1.81	0.36	0.0	0.47	0.47	0.47	0.0	2.28	2.28	0.83
DUVAL	2	54.6	0.0	7.27	7.27	1.45	0.0	0.53	0.53	0.53	0.0	7.80	7.80	1.98
FLAGLER		0.6	0.0	0.09	0.09	0.02	0.0	0.29	0.29	0.29	0.0	0.38	0.38	0.31
INDIAN RIVER		27.7	0.0	2.80	2.80	0.08	0.30	0.04	0.34	0.34	0.30	2.84	3.14	0.42
LAKE	4	32.9	0.0	3.82	3.82	1.19	0.27	0.18	0.45	0.45	0.27	4.00	4.27	1.64
MARION	5	46.0	0.0	5.59	5.59	0.35	0.0	1.28	1.28	1.28	0.0	6.87	6.87	1.63
NASSAU		23.3	0.0	1.83	1.83	1.44	0.0	0.41	0.41	0.41	0.0	2.24	2.24	1.85
OKEECHOBEE	2	1.1	0.0	0.10	0.10	0.03	0.17	0.10	0.27	0.27	0.17	0.20	0.37	0.30
ORANGE	3	58.1	0.0	5.81	5.81	1.16	0.07	0.16	0.23	0.23	0.07	5.97	6.04	1.39
OSCEOLA	4	6.9	0.0	0.69	0.69	0.14	0.17	0.19	0.36	0.36	0.17	0.88	1.05	0.50
POLK	4	2.8	0.0	0.28	0.28	0.03	0.0	0.08	0.08	0.08	0.0	0.36	0.36	0.11
PUTNAM	2	28.5	0.0	2.90	2.90	0.58	0.18	3.06	3.24	3.24	0.18	5.96	6.14	3.82
ST JOHNS		19.0	0.0	2.35	2.35	1.88	0.10	0.04	0.14	0.14	0.10	2.39	2.49	2.02
SEMINOLE		73.3	0.0	8.05	8.05	1.61	0.0	0.0	0.0	0.0	0.0	8.05	8.05	1.61
VOLUSIA		64.7	0.0	6.50	6.50	2.00	0.0	0.20	0.20	0.20	0.0	6.70	6.70	2.20
WMD TOTAL		507.6	0.0	55.20	55.20	14.19	1.80	11.34	13.14	12.99	1.80	66.54	68.34	27.18
SOUTH FLORIDA WATER MANAGEMENT DISTRICT														
BROWARD		64.3	0.0	8.16	8.16	1.63	0.40	0.05	0.45	0.45	0.40	8.21	8.61	2.08
CHARLOTTE	4	1.7	0.0	0.17	0.17	0.04	0.0	0.10	0.10	0.10	0.0	0.27	0.27	0.14
COLLIER		10.3	0.75	0.40	1.15	0.23	0.0	0.25	0.25	0.25	0.75	0.65	1.40	0.48
DADE		91.6	0.0	9.50	9.50	1.90	0.0	0.15	0.15	0.15	0.0	9.65	9.65	2.05
GLADES		3.9	0.0	0.40	0.40	0.10	0.40	0.30	0.70	0.70	0.40	0.70	1.10	0.80
HENDRY		5.8	0.0	0.70	0.70	0.60	0.90	3.70	4.60	4.60	0.90	4.40	5.30	5.20
HIGHLANDS	4	12.9	0.0	1.44	1.44	0.36	0.85	0.08	0.93	0.93	0.85	1.52	2.37	1.29
LEE	2	8.7	0.0	2.00	2.00	0.49	0.03	0.30	0.33	0.33	0.03	2.30	2.33	0.82
MARTIN		23.9	0.0	2.40	2.40	1.80	0.05	0.50	0.55	0.55	0.05	2.90	2.95	2.35
MONROE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OKEECHOBEE	2	7.7	0.0	0.80	0.80	0.24	1.13	0.70	1.83	1.83	1.13	1.50	2.63	2.07
ORANGE	3	27.4	0.0	2.74	2.74	5.48	0.03	0.07	0.10	0.10	0.03	2.81	2.84	5.58
OSCEOLA	4	10.8	0.0	1.11	1.11	0.22	0.25	0.31	0.56	0.56	0.25	1.42	1.67	0.78
PALM BEACH		85.9	0.45	12.88	13.33	3.33	1.03	1.04	2.07	2.07	1.48	13.92	15.40	5.40
POLK	4	23.2	0.0	2.32	2.32	0.23	0.03	0.63	0.66	0.66	0.03	2.95	2.98	0.89
ST LUCIE	2	26.6	0.0	3.97	3.97	0.79	0.15	0.66	0.81	0.81	0.15	4.63	4.78	1.60
WMD TOTAL		404.7	1.20	48.99	50.19	17.44	5.25	8.84	14.09	14.09	6.45	57.83	64.28	31.53

TABLE 11.-- R U R A L W A T E R U S E I N F L O R I D A

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE(MGD) WITHDRAWN SW	DOMESTIC USE(MGD) WITHDRAWN GW	DOMESTIC USE(MGD) WITHDRAWN ALL WATER	DOMESTIC USE(MGD) CONSUMED	LIVESTOCK USE(MGD) WITHDRAWN SW	LIVESTOCK USE(MGD) WITHDRAWN GW	LIVESTOCK USE(MGD) WITHDRAWN ALL WATER	LIVESTOCK USE(MGD) CONSUMED	ALL USES(MGD) WITHDRAWN SW	ALL USES(MGD) WITHDRAWN GW	ALL USES(MGD) WITHDRAWN ALL WATER	ALL USES(MGD) CONSUMED
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT														
CHARLOTTE	4	8.5	0.0	1.00	1.00	0.20	0.0	0.24	0.24	0.24	0.0	1.24	1.24	0.44
CITRUS		29.8	0.0	3.24	3.24	0.32	0.0	0.14	0.14	0.14	0.0	3.38	3.38	0.46
DESOTO		11.2	0.0	1.12	1.12	0.11	0.0	2.93	2.93	2.93	0.0	4.05	4.05	3.04
HARDEE		11.6	0.0	1.16	1.16	0.23	0.0	2.79	2.79	2.79	0.0	3.95	3.95	3.02
HERNANDO		23.5	0.0	2.35	2.35	0.47	0.31	2.48	2.79	2.79	0.31	4.83	5.14	3.26
HIGHLANDS	4	5.5	0.0	0.40	0.40	0.10	0.25	0.02	0.27	0.27	0.25	0.42	0.67	0.37
HILLSBOROUGH		202.0	0.0	21.26	21.26	2.13	0.0	4.87	4.87	4.87	0.0	26.13	26.13	7.00
LAKE	4	3.3	0.0	0.38	0.38	0.11	0.03	0.02	0.05	0.05	0.03	0.40	0.43	0.16
LEVY	4	2.9	0.0	0.28	0.28	0.06	0.0	0.22	0.22	0.22	0.0	0.50	0.50	0.28
MANATEE		43.5	0.0	4.40	4.40	0.50	0.18	1.65	1.83	1.83	0.18	6.05	6.23	2.33
MARION	5	9.9	0.0	0.99	0.99	0.21	0.0	0.72	0.72	0.72	0.0	1.71	1.71	0.93
PASCO		103.9	0.0	10.39	10.39	1.04	1.00	2.21	3.21	3.21	1.00	12.60	13.60	4.25
PINELLAS		62.0	0.0	6.46	6.46	0.65	0.02	0.50	0.52	0.52	0.02	6.96	6.98	1.17
POLK	4	67.0	0.0	6.70	6.70	0.67	0.10	1.80	1.90	1.90	0.10	8.50	8.60	2.57
SARASOTA		73.3	0.0	7.33	7.33	0.73	0.34	0.36	0.70	0.70	0.34	7.69	8.03	1.43
SUMTER	2	13.3	0.0	1.35	1.35	0.14	0.0	0.76	0.76	0.76	0.0	2.11	2.11	0.90
WMD TOTAL		671.2	0.0	68.81	68.81	7.67	2.23	21.71	23.94	23.94	2.23	90.52	92.75	31.61
STATE TOTAL		1872.5	2.05	200.93	202.98	50.33	12.15	50.87	63.02	62.57	14.20	251.80	266.00	112.90

TABLE 12.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975

COUNTY		WATER WITHDRAWN (MGD)						WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
		GROUND WATER		SURFACE WATER		ALL WATER		WATER CONSUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE									
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT																
BAY	2	1.35	0.0	0.0	0.0	1.35	0.0	0.33	0.0	0.33	0.50	0.0	0.0	0.21	0.0	0.31
CALHOUN	2	0.36	0.0	0.0	0.0	0.36	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36
ESCAMBIA		44.75	2.80	31.70	0.24	76.45	3.04	18.02	0.0	24.00	45.78	0.0	0.0	0.0	0.24	9.47
FRANKLIN	2	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
GADSDEN	2	0.09	0.0	1.94	0.0	2.03	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.06	1.97
GULF	2	0.52	0.0	33.20	13.00	33.72	13.00	18.35	0.0	32.20	14.50	0.0	0.0	0.0	0.0	0.02
HOLMES		0.02	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
JACKSON	2	0.80	0.0	0.0	0.0	0.80	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80
JEFFERSON	4	0.02	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
LEON		33.61	0.0	0.0	0.0	33.61	0.0	1.14	0.0	0.0	0.0	0.0	0.0	0.0	33.55	0.06
LIBERTY	2	0.33	0.0	0.0	0.0	0.33	0.0	0.27	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.18
OKALOOSA		6.05	0.0	0.0	0.0	6.05	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.05
SANTA ROSA		17.67	0.0	0.0	0.0	17.67	0.0	4.83	0.0	0.0	8.20	0.0	0.0	0.0	0.64	8.83
WAKULLA		0.80	0.0	0.43	0.0	1.23	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23
WALTON		0.41	0.0	0.0	0.0	0.41	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0
WASHINGTON	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WMD TOTAL		106.79	2.80	67.27	13.24	174.06	16.04	46.01	0.0	56.53	69.13	0.0	0.0	0.63	34.49	29.32
SUWANNEE RIVER WATER MANAGEMENT DISTRICT																
ALACHUA	3	1.30	0.0	0.0	0.0	1.30	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.85
BAKER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRADFORD	2	3.96	0.0	0.0	0.0	3.96	0.0	1.64	0.0	0.0	2.59	0.0	0.0	0.01	0.0	1.36
COLUMBIA	2	0.12	0.0	0.0	0.0	0.12	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
DIXIE		0.45	0.0	3.09	0.0	3.54	0.0	0.19	0.0	0.0	3.36	0.0	0.0	0.0	0.0	0.18
GILCHRIST		0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
HAMILTON		30.30	0.0	0.0	0.0	30.30	0.0	3.10	0.0	0.0	2.50	A/27.80	0.0	0.0	0.0	0.0
JEFFERSON	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAFAYETTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MADISON		0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
PUTNAM	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUWANNEE		2.39	0.0	0.0	0.0	2.39	0.0	0.34	1.44	0.0	0.0	0.0	0.0	0.90	0.0	0.05
TAYLOR		57.02	0.0	0.0	0.0	57.02	0.0	11.01	0.0	56.00	0.0	0.0	0.0	0.0	0.0	1.02
UNION		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WMD TOTAL		95.60	0.0	3.09	0.0	98.69	0.0	16.87	1.44	56.00	8.45	27.80	0.0	1.36	0.0	3.64

TABLE 12.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		WATER WITHDRAWN (MGD)						WATER USE BY MAJOR CLASSIFICATIONS (MGD)								
		GROUND WATER FRESH	GROUND WATER SALINE	SURFACE WATER FRESH	SURFACE WATER SALINE	ALL WATER FRESH	ALL WATER SALINE	WATER CONSUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
ST. JOHNS WATER MANAGEMENT DISTRICT																
ALACHUA	3	5.23	0.0	0.0	0.0	5.23	0.0	2.33	0.0	0.03	0.0	0.0	0.0	0.0	5.20	0.0
BAKER	2	0.32	0.0	0.0	0.0	0.32	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.31
BRADFORD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BREVARD		0.45	0.0	0.0	0.0	0.45	0.0	0.20	0.0	0.0	0.0	0.0	0.20	0.20	0.0	0.05
CLAY	2	6.62	0.0	4.30	0.0	10.92	0.0	3.26	0.0	0.0	10.73	0.0	0.0	0.0	0.0	0.19
DUVAL	2	48.63	0.0	0.14	0.0	48.77	0.0	4.83	0.0	20.61	1.95	0.0	0.0	1.28	7.39	17.54
FLAGLER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDIAN RIVER		0.44	0.0	0.0	0.0	0.44	0.0	0.09	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.04
LAKE	4	20.65	0.0	0.0	0.0	20.65	0.0	9.05	0.0	0.0	0.0	0.0	18.90	1.75	0.0	0.0
MARION	5	0.30	0.0	0.0	0.0	0.30	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
NASSAU		57.93	0.0	0.0	2.00	57.93	2.00	53.19	0.0	57.64	0.0	0.0	0.0	0.29	2.00	0.0
OKEECHOBEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ORANGE	3	5.76	0.0	0.60	0.0	6.36	0.0	1.66	0.0	0.0	0.0	0.0	5.21	0.02	0.0	1.13
OSCEOLA	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POLK	4	0.08	0.0	0.0	0.0	0.08	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.06
PUTNAM	2	16.20	0.0	21.00	0.0	37.20	0.0	12.28	0.0	34.50	0.0	0.0	0.0	0.0	0.50	2.20
ST JOHNS		2.00	0.0	0.0	0.0	2.00	0.0	0.40	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0
SEMINOLE		2.59	0.0	0.0	0.0	2.59	0.0	2.53	0.0	0.0	0.0	0.0	0.0	1.51	0.0	1.08
VOLUSIA		0.14	0.0	0.0	0.0	0.14	0.0	0.01	0.0	0.0	0.10	0.0	0.01	0.03	0.0	0.0
WMD TOTAL		167.34	0.0	26.04	2.00	193.38	2.00	90.31	0.0	112.78	12.78	0.0	26.72	5.10	15.10	22.90
SOUTH FLORIDA WATER MANAGEMENT DISTRICT																
BROWARD		2.50	0.0	1.00	0.0	3.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.50
CHARLOTTE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLLIER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DADE		3.38	0.0	0.0	0.0	3.38	0.0	1.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.38
GLADES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HENDRY		0.22	0.0	0.60	0.0	0.82	0.0	0.13	0.0	0.0	0.0	0.0	0.22	0.60	0.0	0.0
HIGHLANDS	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEE	2	0.40	0.0	8.00	0.0	8.40	0.0	0.02	8.00	0.0	0.0	0.0	0.0	0.0	0.40	0.0
MARTIN		0.08	0.0	0.0	0.0	0.08	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
MONROE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OKEECHOBEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ORANGE	3	8.42	0.0	0.0	0.0	8.42	0.0	2.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.42
OSCEOLA	4	0.70	0.0	0.0	0.0	0.70	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70
PALM BEACH		1.79	0.0	44.75	0.0	46.54	0.0	12.20	0.0	0.0	1.00	0.0	0.0	44.04	0.0	1.50
POLK	4	0.58	0.0	0.0	0.0	0.58	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.46
ST LUCIE	2	0.19	0.0	0.0	0.0	0.19	0.0	0.07	0.0	0.0	0.0	0.0	0.14	0.05	0.0	0.0
WMD TOTAL		18.26	0.0	54.35	0.0	72.61	0.0	17.27	8.00	0.0	1.00	0.0	0.36	44.81	0.40	18.04

TABLE 12.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		WATER WITHDRAWN (MGD)						WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
		GROUND WATER		SURFACE WATER		ALL WATER		WATER CON SUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE									
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT																
CHARLOTTE	4	0.10	0.0	0.0	0.0	0.10	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
CITRUS		1.32	0.0	0.0	0.0	1.32	0.0	0.33	1.03	0.0	0.0	0.0	0.14	0.15	0.0	0.0
DESOTO		0.59	0.0	0.0	0.0	0.59	0.0	0.11	0.0	0.0	0.0	0.0	0.23	0.11	0.0	0.25
HARDEE		1.45	0.0	0.0	0.0	1.45	0.0	0.01	0.0	0.0	0.0	0.0	0.0	1.45	0.0	0.0
HERNANDO		61.68	0.0	0.0	0.0	61.68	0.0	27.30	61.50	0.0	0.0	0.0	0.0	0.17	0.0	0.01
HIGHLANDS	4	0.70	0.0	0.0	0.0	0.70	0.0	0.01	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0
HILLSBOROUGH		8.02	45.00	8.10	0.0	16.12	45.00	8.56	0.0	0.0	8.60	0.83	0.10	2.83	0.29	48.47
LAKE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANATEE		1.99	0.0	0.0	0.0	1.99	0.0	0.20	0.0	0.0	0.0	0.0	0.0	1.34	0.61	0.04
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PASCO		25.01	0.0	0.0	0.0	25.01	0.0	15.72	0.0	0.0	0.0	0.0	24.03	0.73	0.0	0.25
PINELLAS		1.30	0.0	0.0	0.0	1.30	0.0	0.40	0.0	0.0	0.0	0.0	0.39	0.24	0.0	0.67
POLK	4	269.72	0.0	1.85	0.0	271.57	0.0	35.62	0.0	0.0	0.05	241.70	17.25	6.60	0.0	6.12
SARASOTA		2.99	0.0	0.0	0.0	2.99	0.0	0.61	0.0	0.0	0.0	0.0	0.02	0.13	1.80	1.04
SUMTER	2	16.06	0.0	0.0	0.0	16.06	0.0	3.48	16.00	0.0	0.04	0.0	0.0	0.02	0.0	0.0
WMD TOTAL		390.93	45.00	9.95	0.0	400.88	45.00	92.45	78.53	0.0	8.69	242.53	42.86	13.87	2.70	56.85
STATE TOTAL		778.92	47.80	160.70	15.24	939.62	63.04	262.91	87.97	225.31	100.05	270.33	69.94	65.77	52.69	130.75

A/ Does not include 305 Mgal/d of water that is reused from their holding ponds.

TABLE 13.--ACRES IRRIGATED BY WATER MANAGEMENT DISTRICTS, 1975.

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT										
BAY	2	0	0	0	0	0	0	0	0	0
CALHOUN	2	0	0	0	0	0	120	0	252	372
ESCAMBIA		0	0	0	0	0	0	0	428	428
FRANKLIN	2	0	0	0	0	0	0	0	0	0
GADSDEN	2	0	1500	0	0	1000	500	0	350	3350
GULF	2	0	0	0	0	0	0	0	300	300
HOLMES		0	100	0	0	0	0	0	50	150
JACKSON	2	0	12500	1000	0	100	2500	800	350	17250
JEFFERSON	4	0	88	235	0	23	0	46	151	543
LEON		0	0	0	0	0	280	0	223	503
LIBERTY	2	0	0	0	0	0	0	0	0	0
OKALOOSA		0	0	520	0	0	0	0	310	830
SANTA ROSA		0	1900	0	0	0	0	0	102	2002
WAKULLA		0	0	0	0	0	0	0	0	0
WALTON		0	6878	0	0	0	0	0	150	7028
WASHINGTON	2	0	0	0	0	0	0	0	0	0
WMD TOTAL		0	22966	1755	0	1123	3400	846	2666	32756
SUWANNEE RIVER WATER MANAGEMENT DISTRICT										
ALACHUA	3	0	504	1080	0	1183	1152	0	2160	6079
BAKER	2	0	0	0	0	0	0	0	0	0
BRADFORD	2	0	100	0	0	50	0	0	140	290
COLUMBIA	2	0	0	100	0	935	480	220	80	1815
DIXIE		0	33	80	0	73	0	225	0	411
GILCHRIST		0	60	100	0	200	200	100	0	660
HAMILTON		0	200	1000	0	1600	500	200	80	3580
JEFFERSON	4	0	112	275	0	27	0	54	177	645
LAFAYETTE		0	100	200	0	700	50	2000	6	3056
LEVY	4	0	132	106	0	79	660	660	264	1901
MADISON		0	760	100	0	1130	1200	200	2220	5610
PUTNAM	2	0	0	0	0	0	0	0	0	0
SUWANNEE		0	50	0	0	3000	500	400	40	3990
TAYLOR		0	20	0	0	200	25	0	81	326
UNION		0	0	0	0	250	0	0	250	500
WMD TOTAL		0	2071	3041	0	9427	4767	4059	5498	28863

TABLE 13.--ACRES IRRIGATED BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
ST. JOHNS WATER MANAGEMENT DISTRICT										
ALACHUA	3	0	151	0	0	296	288	0	540	1275
BAKER	2	0	0	0	0	10	0	0	50	60
BRADFORD	2	0	0	0	0	0	0	0	0	0
BREVARD		6000	0	23200	0	0	0	0	485	29685
CLAY	2	0	50	1000	0	0	0	0	60	1110
DUVAL	2	0	0	0	0	0	0	0	2338	2338
FLAGLER		0	4500	2400	0	0	0	0	0	6900
INDIAN RIVER		50000	0	34000	0	0	0	0	230	84230
LAKE	4	47320	8920	2275	0	0	0	680	455	59650
MARION	5	3840	3840	12800	0	14	3200	3200	773	27667
NASSAU		0	0	0	0	0	0	0	175	175
OKEECHOBEE	2	545	100	5200	0	0	0	20	0	5865
ORANGE	3	12920	3060	0	0	0	3060	0	1835	20875
OSCEOLA	4	3120	0	80	0	195	0	115	115	3625
POLK	4	2750	60	210	0	0	0	0	30	3050
PUTNAM	2	800	4780	3000	0	0	2500	0	300	11380
ST JOHNS		60	19910	0	0	0	0	0	330	20300
SEMINOLE		5000	4170	0	0	0	0	0	460	9630
VOLUSIA		600	3000	0	0	0	0	0	1420	5020
WMD TOTAL		132955	52541	84165	0	515	9048	4015	9596	292835
SOUTH FLORIDA WATER MANAGEMENT DISTRICT										
BROWARD		0	5000	0	0	0	0	0	5800	10800
CHARLOTTE	4	1513	367	1577	0	0	0	340	0	3797
COLLIER		7000	22500	5000	0	0	1000	3500	490	39490
DADE		3719	34185	750	0	0	0	0	12900	51554
GLADES		2200	1200	26000	16000	0	0	0	0	45400
HENDRY		30000	12000	88000	25000	0	0	0	0	155000
HIGHLANDS	4	27300	2340	78000	0	0	0	196	1090	108926
LEE	2	7000	5700	25000	0	0	0	1500	3000	42200
MARTIN		41000	3000	5000	3000	0	0	0	1400	53400
MONROE		0	0	0	0	0	0	0	0	0
OKEECHOBEE	2	3655	700	34800	0	0	0	80	0	39235
ORANGE	3	6080	1440	0	0	0	1440	0	865	9825
OSCEOLA	4	4880	0	120	0	305	0	185	185	5675
PALM BEACH		13000	119000	60000	245000	0	0	0	7000	444000
POLK	4	22900	500	1750	0	0	0	0	270	25420
ST LUCIE	2	73000	1200	22000	0	0	0	200	800	97200
WMD TOTAL		243247	209132	347997	289000	305	2440	6001	33800	1131922

TABLE 13.--ACRES IRRIGATED BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED).

COUNTY		IRRIGATION BY CROP TYPE (ACRES IRRIGATED)								
		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT										
CHARLOTTE	4	2937	713	3063	0	0	0	660	130	7503
CITRUS		3500	5	0	0	0	80	200	1	3786
DESOTO		30000	1000	8000	0	0	160	3500	0	42660
HARDEE		23000	2500	25000	0	0	0	1000	16	51516
HERNANDO		650	30	60	0	0	0	100	400	1240
HIGHLANDS	4	7700	660	22000	0	0	0	54	310	30724
HILLSBOROUGH		20000	9250	5000	0	0	0	0	2340	36590
LAKE	4	4680	880	225	0	0	0	70	45	5900
LEVY	4	0	68	54	0	41	340	340	136	979
MANATEE		7000	7000	8000	0	0	600	1000	2748	26348
MARION	5	2160	2160	7200	0	4	1800	1800	437	15561
PASCO		19000	800	5000	0	0	0	0	4000	27800
PINELLAS		1000	0	1000	0	0	0	0	8000	10000
POLK	4	66000	1440	5040	0	0	0	0	815	73295
SARASOTA		1500	2000	10000	0	0	850	0	125	14475
SUMTER	2	500	2500	1000	0	15	100	2200	265	6580
WMD TOTAL		188627	31006	100642	0	60	3930	10924	19768	354957
STATE TOTAL		564829	317716	537600	289000	11430	23585	25845	71328	1841333

TABLE 14.-- I R R I G A T I O N W A T E R U S E I N F L O R I D A

BY WATER MANAGEMENT DISTRICTS, 1975

COUNTY		ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT												
BAY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
CALHOUN	2	372	1575	1317	2892	0	578	1.41	1.18	2.58	0.0	0.52
ESCAMBIA		428	302	704	1006	0	201	0.27	0.63	0.90	0.0	0.18
FRANKLIN	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
GADSDEN	2	3350	2724	0	2724	0	545	2.43	0.0	2.43	0.0	0.49
GULF	2	300	0	250	250	0	100	0.0	0.22	0.22	0.0	0.09
HOLMES		150	83	0	83	0	0	0.07	0.0	0.07	0.0	0.0
JACKSON	2	17250	673	6053	6726	0	1681	0.60	5.41	6.01	0.0	1.50
JEFFERSON	4	543	39	318	357	0	89	0.03	0.28	0.32	0.0	0.08
LEON		503	173	487	660	0	0	0.15	0.43	0.59	0.0	0.0
LIBERTY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
OKALOOSA		830	385	425	810	0	162	0.34	0.38	0.72	0.0	0.14
SANTA ROSA		2002	0	366	366	0	73	0.0	0.33	0.33	0.0	0.07
WAKULLA		0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
WALTON		7028	210	665	875	0	144	0.19	0.59	0.78	0.0	0.13
WASHINGTON	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
WMD TOTAL		32756	6164	10585	16749	0	3573	5.50	9.45	14.96	0.0	3.19
SUWANNEE RIVER WATER MANAGEMENT DISTRICT												
ALACHUA	3	6079	1337	4009	5346	0	3742	1.19	3.58	4.77	0.0	3.34
BAKER	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BRADFORD	2	290	7	59	66	0	33	0.01	0.05	0.06	0.0	0.03
COLUMBIA	2	1815	127	1146	1273	0	891	0.11	1.02	1.14	0.0	0.80
DIXIE		411	52	119	171	0	34	0.05	0.11	0.15	0.0	0.03
GILCHRIST		660	20	185	205	0	41	0.02	0.17	0.18	0.0	0.04
HAMILTON		3580	167	1506	1673	0	335	0.15	1.34	1.49	0.0	0.30
JEFFERSON	4	645	47	374	421	0	105	0.04	0.33	0.38	0.0	0.09
LAFAYETTE		3056	168	1530	1698	0	424	0.15	1.37	1.52	0.0	0.38
LEVY	4	1901	95	855	950	0	190	0.08	0.76	0.85	0.0	0.17
MADISON		5610	206	1857	2063	0	518	0.18	1.66	1.84	0.0	0.46
PUTNAM	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
SUWANNEE		3990	0	1592	1592	0	318	0.0	1.42	1.42	0.0	0.28
TAYLOR		326	18	195	213	0	43	0.02	0.17	0.19	0.0	0.04
UNION		500	25	200	225	0	45	0.02	0.18	0.20	0.0	0.04
WMD TOTAL		28863	2269	13627	15896	0	6719	2.03	12.17	14.20	0.0	6.00

TABLE 14.-- IRRIGATION WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
ST. JOHNS WATER MANAGEMENT DISTRICT												
ALACHUA	3	1275	334	1002	1336	0	936	0.30	0.89	1.19	0.0	0.84
BAKER	2	60	750	5	755	0	250	0.67	0.00	0.67	0.0	0.22
BRADFORD	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BREVARD		29685	24100	41400	65500	3100	13600	21.52	36.97	58.49	2.77	12.14
CLAY	2	1110	40	10	50	0	10	0.04	0.01	0.04	0.0	0.01
DUVAL	2	2338	251	2015	2266	0	1133	0.22	1.80	2.02	0.0	1.01
FLAGLER		6900	0	9400	9400	0	0	0.0	8.39	8.39	0.0	0.0
INDIAN RIVER		84230	289100	44400	333500	37700	59100	258.17	39.65	297.82	33.67	52.78
LAKE	4	59650	19347	39076	58423	0	43677	17.28	34.89	52.17	0.0	39.00
MARION	5	27667	608	11520	12128	0	9704	0.54	10.29	10.83	0.0	8.67
NASSAU		175	0	580	580	0	400	0.0	0.52	0.52	0.0	0.36
OKEECHOBEE	2	5865	2290	9775	12065	300	2400	2.04	8.73	10.77	0.27	2.14
ORANGE	3	20875	15030	9860	24890	1970	14960	13.42	8.80	22.23	1.76	13.36
OSCEOLA	4	3625	1635	3670	5305	195	2655	1.46	3.28	4.74	0.17	2.37
POLK	4	3050	160	3170	3330	0	3200	0.14	2.83	2.97	0.0	2.86
PUTNAM	2	11380	0	17691	17691	0	3538	0.0	15.80	15.80	0.0	3.16
ST JOHNS		20300	0	32225	32225	0	25780	0.0	28.78	28.78	0.0	23.02
SEMINOLE		9630	0	12300	12300	240	8300	0.0	10.98	10.98	0.21	7.41
VOLUSIA		5020	0	6000	6000	0	4500	0.0	5.36	5.36	0.0	4.02
WMD TOTAL		292835	353645	244099	597744	43505	194143	315.80	217.98	533.78	38.85	173.37
SOUTH FLORIDA WATER MANAGEMENT DISTRICT												
BROWARD		10800	66700	20000	86700	8700	16400	59.56	17.86	77.42	7.77	14.65
CHARLOTTE	4	3797	0	13060	13060	0	4830	0.0	11.66	11.66	0.0	4.31
COLLIER		39490	5600	72250	77850	16130	39100	5.00	64.52	69.52	14.40	34.92
DADE		51554	3250	98000	101250	0	37200	2.90	87.51	90.42	0.0	33.22
GLADES		45400	46600	12500	59100	6100	41900	41.61	11.16	52.78	5.45	37.42
HENDRY		155000	237600	86100	323700	31000	189300	212.18	76.89	289.06	27.68	169.04
HIGHLANDS	4	108926	50300	75840	126140	6555	38800	44.92	67.73	112.64	5.85	34.65
LEE	2	42200	17390	54350	71740	970	42200	15.53	48.53	64.06	0.87	37.68
MARTIN		53400	85900	7600	93500	11200	46000	76.71	6.79	83.50	10.00	41.08
MONROE		0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
OKEECHOBEE	2	39235	15310	65425	80735	2000	16000	13.67	58.42	72.10	1.79	14.29
ORANGE	3	9825	7070	4640	11710	930	7040	6.31	4.14	10.46	0.83	6.29
OSCEOLA	4	5675	2565	5730	8295	305	4145	2.29	5.12	7.41	0.27	3.70
PALM BEACH		444000	524500	39100	563600	68400	367800	468.38	34.92	503.29	61.08	328.45
POLK	4	25420	1390	26425	27815	0	26650	1.24	23.60	24.84	0.0	23.80
ST LUCIE	2	97200	357400	54800	412200	46600	78200	319.16	48.94	368.09	41.61	69.83
WMD TOTAL		1131922	1421575	635820	2057395	198890	955565	1269.46	567.79	1837.25	177.61	853.32

TABLE 14.— IRRIGATION WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT												
CHARLOTTE	4	7503	0	25360	25360	0	9677	0.0	22.65	22.65	0.0	8.64
CITRUS		3786	265	265	530	0	424	0.24	0.24	0.47	0.0	0.38
DESOTO		42660	2240	69195	71435	0	47933	2.00	61.79	63.79	0.0	42.80
HARDEE		51516	0	101357	101357	0	70291	0.0	90.51	90.51	0.0	62.77
HERNANDO		1240	114	660	774	0	608	0.10	0.59	0.69	0.0	0.54
HIGHLANDS	4	30724	14200	21360	35560	1845	11000	12.68	19.07	31.76	1.65	9.82
HILLSBOROUGH		36590	2540	48859	51399	0	36400	2.27	43.63	45.90	0.0	32.51
LAKE	4	5900	1900	3860	5760	0	4320	1.70	3.45	5.14	0.0	3.86
LEVY	4	979	49	441	490	0	98	0.04	0.39	0.44	0.0	0.09
MANATEE		26348	1343	25514	26857	0	3064	1.20	22.78	23.98	0.0	2.74
MARION	5	15561	344	6480	6824	0	5456	0.31	5.79	6.09	0.0	4.87
PASCO		27800	10563	42276	52839	0	32676	9.43	37.75	47.19	0.0	29.18
PINELLAS		10000	0	37818	37818	0	11200	0.0	33.77	33.77	0.0	10.00
POLK	4	73295	4013	76097	80110	0	76750	3.58	67.95	71.54	0.0	68.54
SARASOTA		14475	2238	20145	22383	0	18674	2.00	17.99	19.99	0.0	16.68
SUMTER	2	6580	190	3604	3794	0	2883	0.17	3.22	3.39	0.0	2.57
WMD TOTAL		354957	39999	483291	523290	1845	331454	35.72	431.58	467.30	1.65	295.99
STATE TOTAL		1841333	1823652	1387422	3211074	244240	1491454	1628.52	1238.97	2867.48	218.11	1331.87

TABLE 15.-- THERMOELECTRIC POWER GENERATION WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975

COUNTY		COOLING WATER (MGD) SELF-SUPPLIED GROUND WATER FRESH	GROUND WATER SALINE	SURFACE WATER FRESH	SURFACE WATER SALINE	PUBLIC SUPPLY	OTHER WATER (MGD) SELF-SUPPLIED FRESH GW	FRESH SW	PUBLIC SUPPLY	WATER CONSUMED FRESH	SALINE	AVE ANNUAL GENERATION (KWHX10**6)
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT												
BAY	2	0.0	0.0	0.0	228.7	0.0	0.68	0.0	0.0	0.5	2.1	1500
CALHOUN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ESCAMBIA		0.0	0.0	265.4	0.0	0.0	2.52	0.0	0.0	7.7	0.0	4250
FRANKLIN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GADSDEN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GULF	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HOLMES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
JACKSON	2	0.3	0.0	120.1	0.0	0.0	0.0	0.32	0.0	0.8	0.0	443
JEFFERSON	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEON		1.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.6	0.0	474
LIBERTY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
OKALOOSA		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SANTA ROSA		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WAKULLA		0.0	0.0	104.6	0.0	0.0	0.28	0.0	0.70	0.0	0.0	389
WALTON		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WASHINGTON	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WMD TOTAL		1.3	0.0	490.1	228.7	0.0	3.66	0.32	0.70	9.6	2.1	7056
SUWANNEE RIVER WATER MANAGEMENT DISTRICT												
ALACHUA	3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	379
BAKER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
BRADFORD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
COLUMBIA	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DIXIE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GILCHRIST		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HAMILTON		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
JEFFERSON	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LAFAYETTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MADISON		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
PUTNAM	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SUWANNEE		0.1	0.0	172.8	0.0	0.0	0.01	0.0	0.0	1.3	0.0	936
TAYLOR		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
UNION		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WMD TOTAL		0.6	0.0	172.8	0.0	0.0	0.01	0.0	0.0	1.6	0.0	1315

TABLE 15.-- THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		COOLING WATER (MGD)				OTHER WATER (MGD)				WATER CONSUMED		AVE ANNUAL GENERATION
		SELF-SUPPLIED				PUBLIC	SELF-SUPPLIED		PUBLIC			
		GROUND WATER FRESH	SALINE	SURFACE WATER FRESH	SALINE	SUPPLY	FRESH GW	FRESH SW	SUPPLY	FRESH	SALINE	(KWHX10**6)
ST. JOHNS WATER MANAGEMENT DISTRICT												
ALACHUA	3	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.6	0.0	0
BAKER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
BRADFORD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
BREVARD		0.0	0.0	0.0	1612.0	0.0	0.50	0.0	0.03	0.4	7.4	5420
CLAY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DUVAL	2	0.0	0.0	40.0	653.8	0.0	2.12	0.0	0.0	4.0	5.2	5537
FLAGLER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
INDIAN RIVER		4.3	0.0	0.0	60.0	0.0	0.0	0.0	0.0	3.6	3.4	269
LAKE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
NASSAU		45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	A/0
OKEECHOBEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ORANGE	3	0.0	0.0	77.4	0.0	0.0	0.08	0.0	0.0	0.4	0.0	217
OSCEOLA	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
PUTNAM	2	0.0	0.0	120.0	0.0	0.0	0.06	0.0	0.0	0.7	0.0	445
ST JOHNS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SEMINOLE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
VOLUSIA		0.0	0.0	314.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	4738
WMD TOTAL		49.3	0.0	551.4	2325.8	0.90	2.76	0.0	0.03	16.2	16.0	16626
SOUTH FLORIDA WATER MANAGEMENT DISTRICT												
BROWARD		0.0	0.0	0.0	1678.0	0.03	0.50	0.0	0.0	0.4	7.4	12500
CHARLOTTE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
COLLIER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DADE		0.0	0.0	0.0	504.0	0.0	0.04	0.0	0.05	0.1	18.4	13048
GLADES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HENDRY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HIGHLANDS	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEE	2	0.0	0.0	0.0	568.0	0.0	0.04	0.0	0.07	0.1	4.8	3491
MARTIN		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MONROE		0.0	47.5	0.0	0.0	0.0	0.10	0.0	0.0	0.1	0.5	352
OKEECHOBEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ORANGE	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
OSCEOLA	4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	96
PALM BEACH		0.0	0.0	0.0	657.0	0.51	0.18	0.0	0.0	0.5	5.3	3896
ST LUCIE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	790
WMD TOTAL		0.5	47.5	0.0	3407.0	0.54	0.86	0.0	0.12	2.4	36.4	34173

TABLE 15.-- THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1975 (CONTINUED)

COUNTY		COOLING WATER (MGD) SELF-SUPPLIED GROUND WATER FRESH	SELF-SUPPLIED GROUND WATER SALINE	SELF-SUPPLIED SURFACE WATER FRESH	SELF-SUPPLIED SURFACE WATER SALINE	OTHER WATER (MGD) PUBLIC SUPPLY	SELF-SUPPLIED FRESH GW	SELF-SUPPLIED FRESH SW	PUBLIC SUPPLY	WATER CONSUMED FRESH	WATER CONSUMED SALINE	AVE ANNUAL GENERATION (KWHX10**6)
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT												
CHARLOTTE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
CITRUS		0.0	0.0	0.0	919.0	0.0	0.63	0.0	0.0	0.5	7.5	5497
DESOTO		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HARDEE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.1	0.0	3
HERNANDO		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HIGHLANDS	4	0.0	0.0	95.2	0.0	0.0	0.0	0.03	0.0	0.3	0.0	237
HILLSBOROUGH		0.0	0.0	0.0	3031.0	0.0	0.37	2.04	0.0	1.3	19.1	8702
LAKE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MANATEE		0.0	0.0	B/25.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
PASCO		0.0	0.0	0.0	670.0	0.0	0.0	0.0	0.23	0.2	4.2	3055
PINELLAS		0.0	0.0	0.0	794.0	0.0	0.0	0.0	0.14	0.1	5.8	3485
POLK	4	0.0	0.0	298.5	0.0	0.0	0.11	0.0	0.19	3.8	0.0	949
SARASOTA		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SUMTER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WMD TOTAL		0.0	0.0	418.7	5414.0	0.0	1.13	2.07	0.79	6.3	36.6	21928
STATE TOTAL		51.7	47.5	1633.0	11375.5	1.44	8.42	2.39	1.64	36.1	91.1	81098

A/ Not available.
B/ Water used to fill reservoir only, not in operation during 1975.

SUMMARY DATA B

Water Use by Hydrologic Subregions in Florida

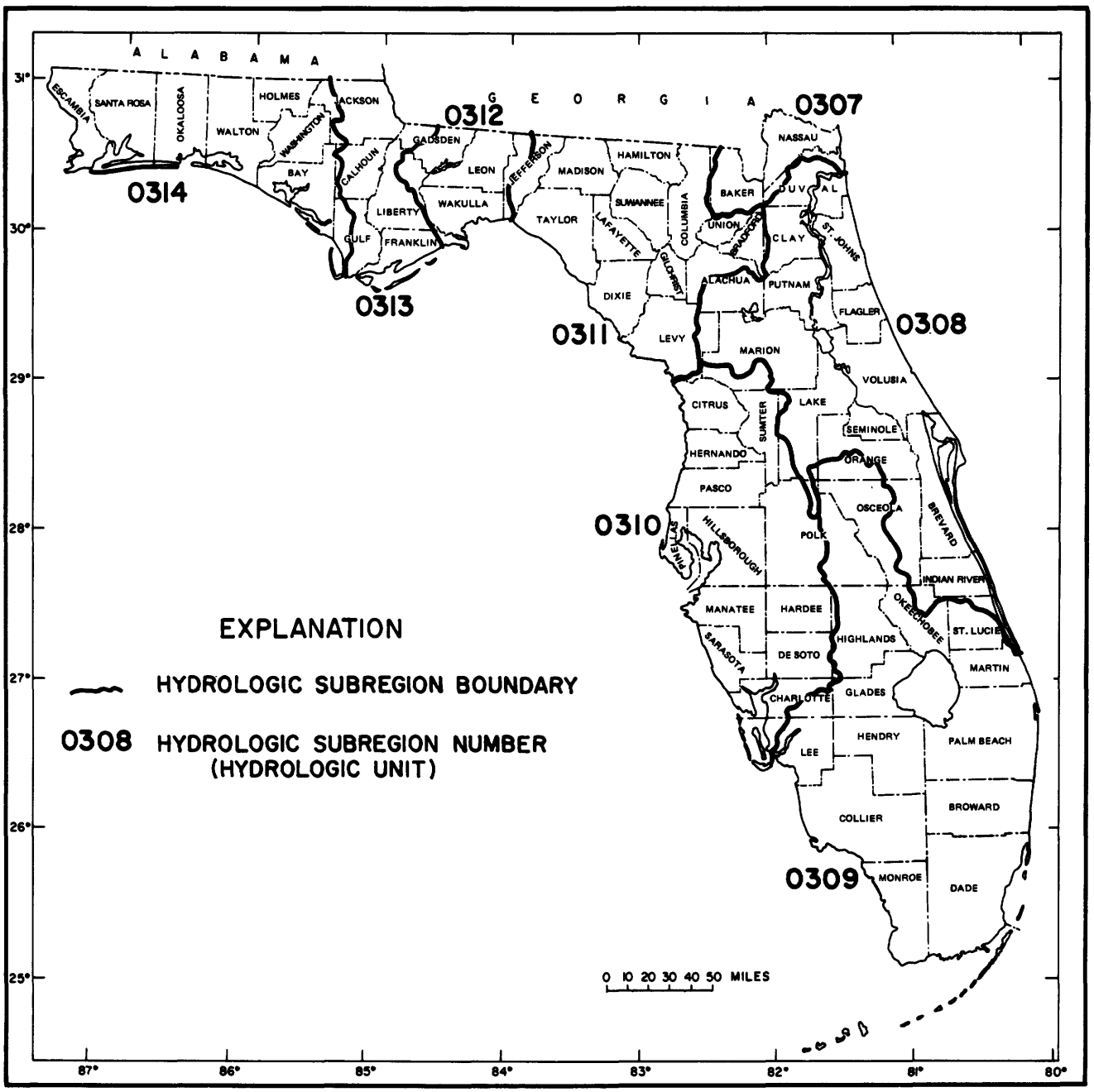


Figure 11.--The hydrologic subregions in Florida.

TABLE 16.-- P U B L I C S U P P L Y W A T E R U S E I N F L O R I D A

BY HYDROLOGIC UNITS, 1975

COUNTY		POPULATION (THSNDS) TOTAL	MUNIC	RURAL	POPULATION SERVED (THSNDS) GW	SW	ALL WTR	WATER WITHDRAWN (MGD) GW	SW	TOTAL	PER CAP	WATER DELIVERED (MGD) BY USES PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	WATER CONSUMED (MGD)
HYDROLOGIC UNIT 0307																	
BAKER	2	10.7	4.0	6.7	4.1	0.0	4.1	0.54	0.0	0.54	132	0.46	0.0	0.0	0.08	0.0	0.49
COLUMBIA	2	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
DUVAL	2	3.8	2.1	1.7	2.1	0.0	2.1	0.17	0.0	0.17	81	0.17	0.0	0.0	0.0	0.0	0.03
NASSAU		29.1	10.3	18.8	5.8	0.0	5.8	2.40	0.0	2.40	414	1.24	0.18	0.70	0.27	0.0	0.61
UNIT TOTAL		43.9	16.4	27.5	12.0	0.0	12.0	3.11	0.0	3.11	259	1.87	0.18	0.70	0.36	0.0	1.13
HYDROLOGIC UNIT 0308																	
ALACHUA	3	106.1	78.4	27.7	84.9	0.0	84.9	14.26	0.0	14.26	168	14.26	0.0	0.0	0.0	0.0	5.82
BRADFORD	2	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
BREVARD		252.0	157.1	94.9	134.9	90.0	224.9	A/18.22	8.90	A/27.12	121	27.12	0.0	0.0	0.0	0.0	8.85
CLAY	2	46.8	16.7	30.1	29.7	0.0	29.7	5.01	0.0	5.01	169	4.65	0.0	0.06	0.22	0.08	0.81
DUVAL	2	574.5	576.2	-1.7	521.6	0.0	521.6	95.25	0.0	95.25	183	69.29	0.0	7.54	13.20	5.22	29.87
FLAGLER		6.6	3.5	3.1	6.0	0.0	6.0	0.62	0.0	0.62	103	0.62	0.0	0.0	0.0	0.0	0.26
INDIAN RIVER		46.3	18.1	28.2	18.6	0.0	18.6	4.49	0.0	4.49	241	3.81	0.0	0.28	0.40	0.0	1.79
LAKE		72.7	39.8	32.9	44.5	0.0	44.5	9.22	0.0	9.22	207	6.46	0.0	0.36	2.39	0.0	3.50
LEVY	4	3.4	1.9	1.5	2.1	0.0	2.1	0.43	0.0	0.43	205	0.43	0.0	0.0	0.0	0.0	0.09
MARION	5	70.7	2.9	67.8	27.1	0.0	27.1	4.61	0.0	4.61	170	4.49	0.0	0.09	0.02	0.0	2.13
OKEECHOBEE	2	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
ORANGE	3	288.4	126.2	162.2	236.3	0.0	236.3	G/43.50	0.0	G/43.50	184	39.77	0.0	1.87	1.87	0.0	20.67
OSCEOLA	4	7.4	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
POLK	4	6.0	2.8	3.2	3.2	0.0	3.2	0.42	0.0	0.42	131	0.42	0.0	0.0	0.0	0.0	0.24
PUTNAM	2	43.4	13.6	29.8	14.9	0.0	14.9	2.58	0.0	2.58	173	2.58	0.0	0.0	0.0	0.0	0.87
ST JOHNS		40.2	14.3	25.9	21.2	0.0	21.2	2.67	0.0	2.67	126	2.49	0.0	0.18	0.0	0.0	0.17
ST LUCIE	2	40.1	35.4	4.7	36.1	0.0	36.1	5.60	0.0	5.60	155	5.16	0.0	0.11	0.27	0.05	2.32
SEMINOLE		136.4	68.9	67.5	63.1	0.0	63.1	10.45	0.0	10.45	166	9.40	0.0	0.0	0.92	0.13	3.13
SUMTER	2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
VOLUSIA		212.4	137.0	75.4	147.7	0.0	147.7	25.06	0.0	25.06	170	21.22	0.0	1.76	1.83	0.25	12.07
UNIT TOTAL		1955.0	1292.8	662.2	1391.9	90.0	1481.9	242.39	8.90	251.29	170	212.17	0.0	12.25	21.13	5.74	92.59

TABLE 16.-- PUBLIC SUPPLY WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		POPULATION (THSNDS) TOTAL	MUNIC	RURAL	POPULATION SERVED (THSNDS) GW	SW	ALL WTR	WATER WITHDRAWN (MGD) GW	SW	TOTAL	PER CAP	WATER DELIVERED (MGD) BY USES PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	WATER CONSUMED (MGD)
HYDROLOGIC UNIT 0309																	
BROWARD		876.3	730.8	145.5	812.0	0.0	812.0	139.78	0.0	139.78	172	102.66	20.71	5.12	8.70	2.58	80.91
CHARLOTTE	4	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
COLLIER		62.7	17.7	45.0	52.4	0.0	52.4	11.93	0.0	11.93	228	9.35	2.28	0.10	0.10	0.10	7.43
DADE		B/1638.0	803.5	834.5	1546.4	0.0	1546.4	C/264.55	0.0	C/ 264.55	171	221.28	0.0	12.44	20.96	9.87	155.89
GLADES	2	5.1	1.2	3.9	1.2	0.0	1.2	0.20	0.0	0.20	167	0.18	0.0	0.0	0.02	0.0	0.04
HENDRY		15.9	7.3	8.6	3.2	6.9	10.1	0.25	1.80	2.05	203	1.42	0.0	0.63	0.0	0.0	1.83
HIGHLANDS	4	41.2	17.1	24.1	24.4	0.0	24.4	4.26	0.0	4.26	175	3.84	0.0	0.05	0.36	0.0	2.50
LAKE	4	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
LEE	2	144.6	58.2	86.4	101.8	35.0	136.8	8.44	6.85	15.29	112	13.07	0.0	1.08	1.14	0.0	3.28
MARTIN		47.7	10.8	36.9	23.8	0.0	23.8	5.72	0.0	5.72	240	5.42	0.0	0.15	0.15	0.0	2.60
MONROE		55.7	30.3	25.4	43.5	12.2	55.7	E/5.96	E/ 1.71	7.67	138	6.60	0.0	0.0	0.77	0.31	7.67
OKEECHOBEE	2	15.9	4.2	11.7	0.0	8.2	8.2	0.0	1.04	1.04	127	0.94	0.0	0.0	0.10	0.0	0.42
ORANGE	3	136.2	48.4	87.8	102.8	0.0	102.8	19.85	0.0	19.85	193	19.20	0.0	0.33	0.33	0.0	9.40
OSCEOLA	4	29.3	18.2	11.1	19.0	0.0	19.0	3.65	0.0	3.65	192	3.30	0.0	0.34	0.0	0.0	0.79
PALM BEACH		477.8	337.8	140.0	282.2	109.7	391.9	62.98	31.43	94.41	241	74.93	0.0	6.61	6.73	6.14	43.51
POLK	4	39.0	6.2	32.8	4.6	0.0	4.6	0.58	0.0	0.58	126	0.58	0.0	0.0	0.0	0.0	0.34
ST LUCIE	2	29.0	1.7	27.3	6.4	0.0	6.4	0.54	0.0	0.54	84	0.54	0.0	0.0	0.0	0.0	0.11
UNIT TOTAL		3617.1	2093.4	1523.7	3023.7	172.0	3195.7	528.69	42.83	571.52	179	463.31	22.99	26.86	39.36	19.00	316.72
HYDROLOGIC UNIT 0310																	
CHARLOTTE	4	40.6	6.1	34.5	1.7	30.3	32.0	0.18	3.90	4.08	128	3.63	0.0	0.0	0.45	0.0	2.15
CITRUS		35.3	5.7	29.6	5.5	0.0	5.5	0.59	0.0	0.59	107	0.40	0.0	0.0	0.19	0.0	0.14
DESOTO		18.2	6.1	12.1	7.0	0.0	7.0	0.76	0.0	0.76	109	0.68	0.0	0.05	0.03	0.0	0.38
GLADES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
HARDEE		18.5	7.0	11.5	6.9	0.0	6.9	1.20	0.0	1.20	174	1.20	0.0	0.0	0.0	0.0	0.20
HERNANDO		28.5	4.8	23.7	5.0	0.0	5.0	0.75	0.0	0.75	150	0.75	0.0	0.0	0.0	0.0	0.19
HIGHLANDS	4	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
HILLSBOROUGH		605.6	318.6	287.0	53.6	350.0	403.6	D/7.17	52.70	D/59.87	148	55.14	0.0	3.61	0.80	0.32	8.55
LAKE	4	12.9	6.0	6.9	6.0	0.0	6.0	0.63	0.0	0.63	105	0.63	0.0	0.0	0.0	0.0	0.50
LEE	2	11.9	0.0	11.9	11.0	0.0	11.0	1.53	0.0	1.53	139	1.53	0.0	0.0	0.0	0.0	0.16
LEVY	4	1.3	1.8	-0.5	1.1	0.0	1.1	0.11	0.0	0.11	100	0.11	0.0	0.0	0.0	0.0	0.03
MANATEE		123.5	45.0	78.5	0.0	80.0	80.0	0.0	18.91	18.91	236	12.91	0.0	6.00	0.0	0.0	11.92
MARION	5	22.5	3.0	19.5	10.5	0.0	10.5	1.62	0.0	1.62	154	1.62	0.0	0.0	0.0	0.0	0.86
PASCO		130.2	20.6	109.6	26.3	0.0	26.3	H/ 2.96	0.0	H/ 2.96	113	2.85	0.0	0.0	0.10	0.0	1.73
PINELLAS		666.6	500.4	166.2	604.6	0.0	604.6	I/76.97	0.0	I/76.97	127	62.98	0.22	3.19	4.00	6.58	68.44
POLK	4	231.0	116.9	114.1	175.2	0.0	175.2	30.23	0.0	30.23	173	27.62	1.02	0.62	0.97	0.0	18.13
SARASOTA		163.2	67.7	95.5	87.0	2.9	89.9	9.33	0.98	10.31	115	7.93	0.0	0.71	0.48	1.19	2.02
SUMTER	2	20.4	6.1	14.3	7.3	0.0	7.3	0.61	0.0	0.61	84	0.53	0.0	0.0	0.08	0.0	0.12
UNIT TOTAL		2131.8	1115.8	1016.0	1008.7	463.2	1471.9	134.64	76.49	211.13	143	180.51	1.24	14.18	7.11	8.09	115.52

TABLE 16.-- PUBLIC SUPPLY WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975(CONTINUED)

COUNTY		POPULATION (THSNDS)			POPULATION SERVED (THSNDS)			WATER WITHDRAWN (MGD)			PER	WATER DELIVERED (MGD) BY USES					WATER CONSUMED
		TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL	CAP	PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	(MGD)
HYDROLOGIC UNIT 0311																	
ALACHUA	3	24.7	7.9	16.8	5.8	0.0	5.8	0.64	0.0	0.64	110	0.64	0.0	0.0	0.0	0.0	0.0
BAKER	2	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
BRADFORD	2	16.0	6.7	9.3	8.3	0.0	8.3	0.83	0.0	0.83	100	0.67	0.0	0.0	0.16	0.0	0.0
CLAY	2	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
COLUMBIA	2	28.5	11.5	17.0	15.9	0.0	15.9	1.70	0.0	1.70	107	1.04	0.0	0.17	0.41	0.08	0.67
DIXIE		6.6	2.5	4.1	3.8	0.0	3.8	0.42	0.0	0.42	111	0.40	0.0	0.0	0.02	0.0	0.07
GILCHRIST		5.1	1.7	3.4	1.5	0.0	1.5	0.38	0.0	0.38	253	0.38	0.0	0.0	0.0	0.0	0.09
HAMILTON		8.6	3.8	4.8	5.9	0.0	5.9	0.60	0.0	0.60	102	0.53	0.0	0.02	0.05	0.0	0.13
JEFFERSON	4	5.1	1.2	3.9	1.5	0.0	1.5	0.22	0.0	0.22	147	0.19	0.01	0.0	0.02	0.0	0.07
LAFAYETTE		3.1	0.8	2.3	1.0	0.0	1.0	0.14	0.0	0.14	140	0.08	0.0	0.0	0.03	0.03	0.03
LEVY	4	10.9	3.9	7.0	3.8	0.0	3.8	0.44	0.0	0.44	116	0.44	0.0	0.0	0.0	0.0	0.11
MADISON		14.4	5.4	9.0	7.0	0.0	7.0	1.09	0.0	1.09	156	0.74	0.0	0.30	0.05	0.0	0.67
MARION	5	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
PUTNAM	2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
SUWANNEE		18.9	8.1	10.8	9.1	0.0	9.1	1.13	0.0	1.13	124	0.86	0.03	0.04	0.21	0.0	0.67
TAYLOR		14.6	8.0	6.6	10.4	0.0	10.4	1.37	0.0	1.37	132	1.03	0.0	0.0	0.30	0.04	0.54
UNION		10.4	2.2	8.2	1.7	0.0	1.7	0.55	0.0	0.55	324	0.20	0.0	0.30	0.05	0.0	0.27
UNIT TOTAL		169.8	63.7	106.1	75.7	0.0	75.7	9.51	0.0	9.51	126	7.20	0.04	0.82	1.31	0.14	3.32
HYDROLOGIC UNIT 0312																	
FRANKLIN	2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
GADSDEN	2	32.6	12.9	19.7	5.5	10.9	16.4	0.62	1.18	1.80	110	1.69	0.0	0.0	0.11	0.0	1.02
JEFFERSON	4	4.3	1.3	3.0	1.5	0.0	1.5	0.22	0.0	0.22	147	0.19	0.01	0.0	0.02	0.0	0.07
LEON		133.2	86.4	46.8	101.2	0.4	101.6	15.83	0.0	15.83	156	12.96	0.0	0.0	2.87	0.0	3.89
LIBERTY	2	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
WAKULLA		8.8	0.7	8.1	4.5	0.0	4.5	0.26	0.0	0.26	58	0.26	0.0	0.0	0.0	0.0	0.06
UNIT TOTAL		179.7	101.3	78.4	112.7	11.3	124.0	16.93	1.18	18.11	146	15.11	0.01	0.0	2.99	0.0	5.04

TABLE 16.-- PUBLIC SUPPLY WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		POPULATION (THSNDS) TOTAL	MUNIC	RURAL	POPULATION SERVED (THSNDS) GW	SW	ALL WTR	WATER WITHDRAWN (MGD) GW	SW	TOTAL	PER CAP	WATER DELIVERED (MGD) BY USES PUBLIC SUPPLY	AGRIC-ULTURE	INDU STRY	COMM-ERCIAL	AIR CNDTNG	WATER CONSUMED (MGD)
HYDROLOGIC UNIT 0313																	
BAY	2	0..	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
CALHOUN	2	8.0	3.0	5.0	3.0	0.0	3.0	0.28	0.0	0.28	93	0.21	0.0	0.0	0.07	0.0	0.05
FRANKLIN	2	7.8	4.3	3.5	6.7	0.0	6.7	0.99	0.0	0.99	148	0.72	0.0	0.06	0.22	0.0	0.69
GADSDEN	2	6.5	5.7	0.8	3.0	0.0	3.0	0.34	0.0	0.34	113	0.27	0.0	0.0	0.07	0.0	0.07
GULF	2	3.4	1.1	2.3	0.7	0.0	0.7	0.03	0.0	0.03	43	0.03	0.0	0.0	0.0	0.0	0.01
JACKSON	2	34.3	13.1	21.2	13.6	0.0	13.6	1.33	0.01	1.34	99	0.92	0.0	0.12	0.30	0.01	0.43
LIBERTY	2	3.2	0.7	2.5	1.5	0.0	1.5	0.09	0.0	0.09	60	0.07	0.01	0.0	0.01	0.0	0.02
WASHINGTON	2	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
UNIT TOTAL		63.7	27.9	35.8	28.5	0.0	28.5	3.06	0.01	3.07	108	2.21	0.01	0.18	0.66	0.01	1.27
HYDROLOGIC UNIT 0314																	
BAY	2	91.5	65.3	26.2	17.7	65.0	82.7	1.95	32.59	34.54	418	7.84	0.0	25.56	1.14	0.0	12.49
CALHOUN	2	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
ESCAMBIA		224.9	67.2	157.7	192.1	0.0	192.1	27.46	0.34	27.80	145	19.43	0.06	0.0	8.31	0.0	5.51
GULF	2	7.5	5.6	1.9	1.2	4.7	5.9	0.08	0.64	0.72	122	0.44	0.0	0.26	0.01	0.0	0.14
HOLMES		12.5	3.4	9.1	4.0	0.0	4.0	0.20	0.0	0.20	50	0.14	0.0	0.03	0.03	0.0	0.14
JACKSON	2	6.9	3.2	3.7	3.2	0.0	3.2	0.44	0.0	0.44	137	0.39	0.0	0.03	0.02	0.0	0.32
OKALOOSA		102.0	48.9	53.1	79.8	0.0	79.8	9.31	0.0	9.31	117	8.53	0.12	0.0	0.66	0.0	4.16
SANTA ROSA		46.9	14.7	32.2	37.9	0.0	37.9	3.40	0.0	3.40	90	2.99	0.06	0.0	0.35	0.0	1.04
WALTON		18.0	6.5	11.5	10.6	0.0	10.6	1.08	0.0	1.08	102	0.86	0.0	0.02	0.18	0.02	0.52
WASHINGTON	2	13.7	6.0	7.7	6.4	0.4	6.8	0.59	0.0	0.59	87	0.58	0.0	0.0	0.01	0.0	0.07
UNIT TOTAL		524.2	220.8	303.4	352.9	70.1	423.0	44.51	33.57	78.08	185	41.21	0.24	25.91	10.71	0.02	24.39
STATE TOTAL	B/	8685.2	4932.1	3753.1	6006.1	806.6	6812.7	982.84	162.98	1145.82	168	923.59	24.71	80.90	83.63	33.00	559.98

A/ Includes 14.4 Mgal/d imported from Orange County.
B/ Includes an estimated 200,000 tourists in Dade County.
C/ Does not include 5.96 Mgal/d exported to Monroe County.
D/ Does not include 24.27 Mgal/d exported to Pinellas County.
E/ Imported from Dade County.
F/ Production from desalination plant at Stock Island, Florida.
G/ Does not include 14.4 Mgal/d exported to Brevard County.
H/ Does not include 15.7 Mgal/d exported to Pinellas County.
I/ Includes 24.27 Mgal/d exported from Hillsborough County and 15.7 Mgal/d exported from Pasco County.

TABLE 17.-- RURAL WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE (MGD) WITHDRAWN SW	DOMESTIC USE (MGD) WITHDRAWN GW	DOMESTIC USE (MGD) WITHDRAWN ALL WATER	DOMESTIC USE (MGD) CONSUMED	LIVESTOCK USE (MGD) WITHDRAWN SW	LIVESTOCK USE (MGD) WITHDRAWN GW	LIVESTOCK USE (MGD) WITHDRAWN ALL WATER	LIVESTOCK USE (MGD) CONSUMED	ALL USES (MGD) WITHDRAWN SW	ALL USES (MGD) WITHDRAWN GW	ALL USES (MGD) WITHDRAWN ALL WATER	ALL USES (MGD) CONSUMED
HYDROLOGIC UNIT 0307														
BAKER	2	6.6	0.0	0.66	0.66	0.0	0.04	0.81	0.85	0.70	0.04	1.47	1.51	0.70
COLUMBIA	2	0.3	0.0	0.03	0.03	0.02	0.0	0.01	0.01	0.01	0.0	0.04	0.04	0.03
DUVAL	2	1.7	0.0	0.17	0.17	0.03	0.0	0.05	0.05	0.05	0.0	0.22	0.22	0.08
NASSAU		23.3	0.0	1.83	1.83	1.44	0.0	0.41	0.41	0.41	0.0	2.24	2.24	1.85
UNIT TOTAL		31.9	0.0	2.69	2.69	1.49	0.04	1.28	1.32	1.17	0.04	3.97	4.01	2.66
HYDROLOGIC UNIT 0308														
ALACHUA	3	21.2	0.0	2.36	2.36	1.18	0.37	0.37	0.74	0.74	0.37	2.73	3.10	1.92
BRADFORD	2	0.3	0.0	0.03	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.03	0.03	0.01
BREVARD		27.1	0.0	2.70	2.70	0.90	0.20	3.20	3.40	3.40	0.20	5.90	6.10	4.30
CLAY	2	17.1	0.0	1.72	1.72	0.34	0.0	0.46	0.46	0.46	0.0	2.18	2.18	0.80
DUVAL	2	52.9	0.0	7.10	7.10	1.42	0.0	0.48	0.48	0.48	0.0	7.58	7.58	1.90
FLAGLER		0.6	0.0	0.09	0.09	0.02	0.0	0.29	0.29	0.29	0.0	0.38	0.38	0.31
INDIAN RIVER		27.7	0.0	2.80	2.80	0.08	0.30	0.04	0.34	0.34	0.30	2.84	3.14	0.42
LAKE		28.2	0.0	3.27	3.27	1.02	0.23	0.15	0.38	0.38	0.23	3.42	3.65	1.40
LEVY	4	1.3	0.0	0.13	0.13	0.03	0.0	0.10	0.10	0.10	0.0	0.23	0.23	0.13
MARION	5	43.6	0.0	4.82	4.82	0.45	0.0	1.62	1.62	1.62	0.0	6.44	6.44	2.07
OKEECHOBEE	2	1.1	0.0	0.10	0.10	0.03	0.17	0.10	0.27	0.27	0.17	0.20	0.37	0.30
ORANGE	3	52.1	0.0	5.21	5.21	1.04	0.06	0.14	0.20	0.20	0.06	5.35	5.41	1.24
OSCEOLA	4	7.4	0.0	0.74	0.74	0.15	0.18	0.20	0.38	0.38	0.18	0.94	1.12	0.53
POLK	4	2.8	0.0	0.28	0.28	0.03	0.0	0.08	0.08	0.08	0.0	0.36	0.36	0.11
PUTNAM	2	28.5	0.0	2.90	2.90	0.58	0.18	3.06	3.24	3.24	0.18	5.96	6.14	3.82
ST JOHNS		19.0	0.0	2.35	2.35	1.88	0.10	0.04	0.14	0.14	0.10	2.39	2.49	2.02
ST LUCIE	2	4.0	0.0	0.60	0.60	0.12	0.02	0.10	0.12	0.12	0.02	0.70	0.72	0.24
SEMINOLE		73.3	0.0	8.05	8.05	1.61	0.0	0.0	0.0	0.0	0.0	8.05	8.05	1.61
SUMTER	2	0.2	0.0	0.02	0.02	0.01	0.0	0.01	0.01	0.01	0.0	0.03	0.03	0.02
VOLUSIA		64.7	0.0	6.50	6.50	2.00	0.0	0.20	0.20	0.20	0.0	6.70	6.70	2.20
UNIT TOTAL		473.1	0.0	51.77	51.77	12.90	1.81	10.64	12.45	12.45	1.81	62.41	64.22	25.35

TABLE 17.-- RURAL WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE(MGD) WITHDRAWN SW	DOMESTIC USE(MGD) WITHDRAWN GW	DOMESTIC USE(MGD) WITHDRAWN ALL WATER	DOMESTIC USE(MGD) CONSUMED	LIVESTOCK USE(MGD) WITHDRAWN SW	LIVESTOCK USE(MGD) WITHDRAWN GW	LIVESTOCK USE(MGD) WITHDRAWN ALL WATER	LIVESTOCK USE(MGD) CONSUMED	ALL USES(MGD) WITHDRAWN SW	ALL USES(MGD) WITHDRAWN GW	ALL USES(MGD) WITHDRAWN ALL WATER	ALL USES(MGD) CONSUMED
HYDROLOGIC UNIT 0309														
BROWARD		64.3	0.0	8.16	8.16	1.63	0.40	0.05	0.45	0.45	0.40	8.21	8.61	2.08
CHARLOTTE	4	1.6	0.0	0.16	0.16	0.03	0.0	0.10	0.10	0.10	0.0	0.26	0.26	0.13
COLLIER		10.3	0.75	0.40	1.15	0.23	0.0	0.25	0.25	0.25	0.75	0.65	1.40	0.48
DADE		91.6	0.0	9.50	9.50	1.90	0.0	0.15	0.15	0.15	0.0	9.65	9.65	2.05
GLADES	2	3.9	0.0	0.40	0.40	0.10	0.40	0.30	0.70	0.70	0.40	0.70	1.10	0.80
HENDRY		5.8	0.0	0.70	0.70	0.60	0.90	3.70	4.60	4.60	0.90	4.40	5.30	5.20
HIGHLANDS	4	16.8	0.0	1.68	1.68	0.43	1.00	0.10	1.10	1.10	1.00	1.78	2.78	1.53
LAKE	4	1.1	0.0	0.13	0.13	0.04	0.01	0.01	0.02	0.02	0.01	0.14	0.15	0.06
LEE	2	7.8	0.0	1.72	1.72	0.43	0.03	0.26	0.29	0.29	0.03	1.98	2.01	0.72
MARTIN		23.9	0.0	2.40	2.40	1.80	0.05	0.50	0.55	0.55	0.05	2.90	2.95	2.35
MONROE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OKEECHOBEE	2	7.7	0.0	0.80	0.80	0.24	1.13	0.70	1.83	1.83	1.13	1.50	2.63	2.07
ORANGE	3	33.4	0.0	3.34	3.34	5.60	0.04	0.09	0.13	0.13	0.04	3.43	3.47	5.73
OSCEOLA	4	10.3	0.0	1.06	1.06	0.21	0.24	0.30	0.54	0.54	0.24	1.36	1.60	0.75
PALM BEACH		85.9	0.45	12.88	13.33	3.33	1.03	1.04	2.07	2.07	1.48	13.92	15.40	5.40
POLK	4	34.4	0.0	3.44	3.44	0.34	0.05	0.93	0.98	0.98	0.05	4.37	4.42	1.32
ST LUCIE	2	22.6	0.0	3.37	3.37	0.67	0.13	0.56	0.69	0.69	0.13	3.93	4.06	1.36
UNIT TOTAL		421.4	1.20	50.14	51.34	17.58	5.41	9.04	14.45	14.45	6.61	59.18	65.79	32.03
HYDROLOGIC UNIT 0310														
CHARLOTTE	4	8.6	0.0	1.01	1.01	0.21	0.0	0.24	0.24	0.24	0.0	1.25	1.25	0.45
CITRUS		29.8	0.0	3.24	3.24	0.32	0.0	0.14	0.14	0.14	0.0	3.38	3.38	0.46
DESOTO		11.2	0.0	1.12	1.12	0.11	0.0	2.93	2.93	2.93	0.0	4.05	4.05	3.04
GLADES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HARDEE		11.6	0.0	1.16	1.16	0.23	0.0	2.79	2.79	2.79	0.0	3.95	3.95	3.02
HERNANDO		23.5	0.0	2.35	2.35	0.47	0.31	2.48	2.79	2.79	0.31	4.83	5.14	3.26
HIGHLANDS	4	1.6	0.0	0.16	0.16	0.03	0.10	0.0	0.10	0.10	0.10	0.16	0.26	0.13
HILLSBOROUGH		202.0	0.0	21.26	21.26	2.13	0.0	4.87	4.87	4.87	0.0	26.13	26.13	7.00
LAKE	4	6.9	0.0	0.80	0.80	0.24	0.06	0.04	0.10	0.10	0.06	0.84	0.90	0.34
LEE	2	0.9	0.0	0.28	0.28	0.06	0.0	0.04	0.04	0.04	0.0	0.32	0.32	0.10
LEVY	4	0.2	0.0	0.02	0.02	0.0	0.0	0.01	0.01	0.01	0.0	0.03	0.03	0.01
MANATEE		43.5	0.0	4.40	4.40	0.50	0.18	1.65	1.83	1.83	0.18	6.05	6.23	2.33
MARION	5	12.0	0.0	1.73	1.73	0.10	0.0	0.36	0.36	0.36	0.0	2.09	2.09	0.46
PASCO		103.9	0.0	10.39	10.39	1.04	1.00	2.21	3.21	3.21	1.00	12.60	13.60	4.25
PINELLAS		62.0	0.0	6.46	6.46	0.65	0.02	0.50	0.52	0.52	0.02	6.96	6.98	1.17
POLK	4	55.8	0.0	5.58	5.58	0.56	0.08	1.50	1.58	1.58	0.08	7.08	7.16	2.14
SARASOTA		73.3	0.0	7.33	7.33	0.73	0.34	0.36	0.70	0.70	0.34	7.69	8.03	1.43
SUMTER	2	13.1	0.0	1.33	1.33	0.13	0.0	0.75	0.75	0.75	0.0	2.08	2.08	0.88
UNIT TOTAL		659.9	0.0	68.62	68.62	7.51	2.09	20.87	22.96	22.96	2.09	89.49	91.58	30.47

TABLE 17.-- RURAL WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975(CONTINUED)

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE(MGD) WITHDRAWN SW	DOMESTIC USE(MGD) WITHDRAWN GW	DOMESTIC USE(MGD) WITHDRAWN ALL WATER	DOMESTIC USE(MGD) CONSUMED	LIVESTOCK USE(MGD) WITHDRAWN SW	LIVESTOCK USE(MGD) WITHDRAWN GW	LIVESTOCK USE(MGD) WITHDRAWN ALL WATER	LIVESTOCK USE(MGD) CONSUMED	ALL USES(MGD) WITHDRAWN SW	ALL USES(MGD) WITHDRAWN GW	ALL USES(MGD) WITHDRAWN ALL WATER	ALL USES(MGD) CONSUMED
HYDRDLOGIC UNIT 0311														
ALACHUA	3	18.9	0.0	1.45	1.45	0.72	0.23	0.23	0.46	0.46	0.23	1.68	1.91	1.18
BAKER	2	1.6	0.0	0.16	0.16	0.0	0.01	0.07	0.08	0.06	0.01	0.23	0.24	0.06
BRADFORD	2	7.7	0.0	0.93	0.93	0.67	0.08	0.04	0.12	0.12	0.08	0.97	1.05	0.79
CLAY	2	0.9	0.0	0.09	0.09	0.02	0.0	0.01	0.01	0.01	0.0	0.10	0.10	0.03
COLUMBIA	2	12.6	0.0	1.30	1.30	1.04	0.17	0.26	0.43	0.43	0.17	1.56	1.73	1.47
DIXIE		2.8	0.0	0.29	0.29	0.06	0.03	0.32	0.35	0.13	0.03	0.61	0.64	0.19
GILCHRIST		3.6	0.0	0.36	0.36	0.07	0.12	0.06	0.18	0.18	0.12	0.42	0.54	0.25
HAMILTON		2.7	0.0	0.28	0.28	0.22	0.07	0.41	0.48	0.48	0.07	0.69	0.76	0.70
JEFFERSON	4	3.6	0.0	0.27	0.27	0.03	0.04	0.54	0.58	0.58	0.04	0.81	0.85	0.61
LAFAYETTE		2.1	0.0	0.21	0.21	0.04	0.02	1.23	1.25	1.25	0.02	1.44	1.46	1.29
LEVY	4	7.1	0.0	0.70	0.70	0.14	0.0	0.53	0.53	0.53	0.0	1.23	1.23	0.67
MADISON		7.4	0.0	0.75	0.75	0.60	0.03	0.27	0.30	0.24	0.03	1.02	1.05	0.84
MARION	5	0.3	0.0	0.03	0.03	0.01	0.0	0.02	0.02	0.02	0.0	0.05	0.05	0.03
PUTNAM	2	0.1	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0
SUWANNEE		9.8	0.0	0.99	0.99	0.79	0.02	0.53	0.55	0.55	0.02	1.52	1.54	1.34
TAYLOR		4.2	0.0	0.42	0.42	0.08	0.11	0.12	0.23	0.23	0.11	0.54	0.65	0.31
UNION		8.7	0.0	0.87	0.87	0.17	0.0	0.05	0.05	0.05	0.0	0.92	0.92	0.22
UNIT TOTAL		94.1	0.0	9.11	9.11	4.66	0.93	4.69	5.62	5.32	0.93	13.80	14.73	9.98
HYDROLOGIC UNIT 0312														
FRANKLIN	2	0.1	0.0	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.01
GADSDEN	2	16.2	0.10	1.62	1.72	1.32	0.05	0.0	0.05	0.05	0.15	1.62	1.77	1.37
JEFFERSON	4	2.8	0.0	0.15	0.15	0.01	0.02	0.35	0.37	0.37	0.02	0.50	0.52	0.38
LEON		31.6	0.0	3.21	3.21	0.64	0.12	0.05	0.17	0.17	0.12	3.26	3.38	0.81
LIBERTY	2	0.7	0.0	0.07	0.07	0.01	0.0	0.0	0.0	0.0	0.0	0.07	0.07	0.01
WAKULLA		4.3	0.0	0.42	0.42	0.08	0.03	0.01	0.04	0.04	0.03	0.43	0.46	0.12
UNIT TOTAL		55.7	0.10	5.48	5.58	2.07	0.22	0.41	0.63	0.63	0.32	5.89	6.21	2.70

TABLE 17.-- RURAL WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSNDS)	DOMESTIC USE(MGD) WITHDRAWN SW	DOMESTIC USE(MGD) WITHDRAWN GW	DOMESTIC USE(MGD) WITHDRAWN ALL WATER	DOMESTIC USE(MGD) CONSUMED	LIVESTOCK USE(MGD) WITHDRAWN SW	LIVESTOCK USE(MGD) WITHDRAWN GW	LIVESTOCK USE(MGD) WITHDRAWN ALL WATER	LIVESTOCK USE(MGD) CONSUMED	ALL USES(MGD) WITHDRAWN SW	ALL USES(MGD) WITHDRAWN GW	ALL USES(MGD) WITHDRAWN ALL WATER	ALL USES(MGD) CONSUMED
HYDROLOGIC UNIT 0313														
BAY	2	0.1	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0
CALHOUN	2	5.0	0.01	0.47	0.48	0.40	0.11	0.03	0.14	0.14	0.12	0.50	0.62	0.54
FRANKLIN	2	1.1	0.0	0.11	0.11	0.02	0.01	0.0	0.01	0.01	0.01	0.11	0.12	0.03
GADSDEN	2	3.5	0.0	0.35	0.35	0.26	0.25	0.03	0.28	0.28	0.25	0.38	0.63	0.54
GULF	2	2.7	0.0	0.27	0.27	0.05	0.05	0.03	0.08	0.08	0.05	0.30	0.35	0.13
JACKSON	2	20.7	0.0	2.11	2.11	0.42	0.09	0.24	0.33	0.33	0.09	2.35	2.44	0.75
LIBERTY	2	1.7	0.0	0.17	0.17	0.03	0.01	0.0	0.01	0.01	0.01	0.17	0.18	0.04
WASHINGTON	2	0.4	0.0	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.02	0.01
UNIT TOTAL		35.2	0.01	3.51	3.52	1.19	0.52	0.33	0.85	0.85	0.53	3.84	4.37	2.04
HYDROLOGIC UNIT 0314														
BAY	2	8.8	0.0	0.88	0.88	0.18	0.16	0.07	0.23	0.23	0.16	0.95	1.11	0.41
CALHOUN	2	0.3	0.0	0.03	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.03	0.03	0.01
ESCAMBIA		32.8	0.0	3.28	3.28	0.60	0.17	3.02	3.19	3.19	0.17	6.30	6.47	3.79
GULF	2	1.6	0.0	0.16	0.16	0.03	0.03	0.01	0.04	0.04	0.03	0.17	0.20	0.07
HOLMES		8.5	0.0	0.85	0.85	0.17	0.26	0.14	0.40	0.40	0.26	0.99	1.25	0.57
JACKSON	2	3.7	0.0	0.37	0.37	0.07	0.02	0.05	0.07	0.07	0.02	0.42	0.44	0.14
OKALOOSA		22.2	0.0	2.21	2.21	0.44	0.11	0.07	0.18	0.18	0.11	2.28	2.39	0.62
SANTA ROSA		9.0	0.0	1.05	1.05	0.21	0.17	0.07	0.24	0.24	0.17	1.12	1.29	0.45
WALTON		7.4	0.74	0.0	0.74	0.59	0.14	0.08	0.22	0.22	0.88	0.08	0.96	0.81
WASHINGTON	2	6.9	0.0	0.78	0.78	0.63	0.07	0.10	0.17	0.17	0.07	0.88	0.95	0.80
UNIT TOTAL		101.2	0.74	9.61	10.35	2.93	1.13	3.61	4.74	4.74	1.87	13.22	15.09	7.67
STATE TOTAL		1872.5	2.05	200.93	202.98	50.33	12.15	50.87	63.02	62.57	14.20	251.80	266.00	112.90

TABLE 18.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975

COUNTY		WATER WITHDRAWN (MGD)						WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
		GROUND WATER		SURFACE WATER		ALL WATER		WATER CONSUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE									
HYDROLOGIC UNIT 0307																
BAKER	2	0.32	0.0	0.0	0.0	0.32	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.31
COLUMBIA	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUVAL	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NASSAU		57.93	0.0	0.0	2.00	57.93	2.00	53.19	0.0	57.64	0.0	0.0	0.0	0.29	2.00	0.0
UNIT TOTAL		58.25	0.0	0.0	2.00	58.25	2.00	53.35	0.0	57.64	0.0	0.0	0.0	0.29	2.01	0.31
HYDROLOGIC UNIT 0308																
ALACHUA	3	5.23	0.0	0.0	0.0	5.23	0.0	2.33	0.0	0.03	0.0	0.0	0.0	0.0	5.20	0.0
BRADFORD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BREVARD		0.45	0.0	0.0	0.0	0.45	0.0	0.20	0.0	0.0	0.0	0.0	0.20	0.20	0.0	0.05
CLAY	2	6.62	0.0	4.30	0.0	10.92	0.0	3.26	0.0	0.0	10.73	0.0	0.0	0.0	0.0	0.19
DUVAL	2	48.63	0.0	0.14	0.0	48.77	0.0	4.83	0.0	20.61	1.95	0.0	0.0	1.28	7.39	17.54
FLAGLER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDIAN RIVER		0.44	0.0	0.0	0.0	0.44	0.0	0.09	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.04
LAKE		20.65	0.0	0.0	0.0	20.65	0.0	9.05	0.0	0.0	0.0	0.0	18.90	1.75	0.0	0.0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MARION	5	0.30	0.0	0.0	0.0	0.30	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
OKEECHOBEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ORANGE	3	4.26	0.0	0.60	0.0	4.86	0.0	1.28	0.0	0.0	0.0	0.0	3.71	0.02	0.0	1.13
OSCEOLA	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POLK	4	0.08	0.0	0.0	0.0	0.08	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.06
PUTNAM	2	16.20	0.0	21.00	0.0	37.20	0.0	12.28	0.0	34.50	0.0	0.0	0.0	0.0	0.50	2.20
ST JOHNS		2.00	0.0	0.0	0.0	2.00	0.0	0.40	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0
ST LUCIE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SEMINOLE		2.59	0.0	0.0	0.0	2.59	0.0	2.53	0.0	0.0	0.0	0.0	0.0	1.51	0.0	1.08
SUMTER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VOLUSIA		0.14	0.0	0.0	0.0	0.14	0.0	0.01	0.0	0.0	0.10	0.0	0.01	0.03	0.0	0.0
UNIT TOTAL		107.59	0.0	26.04	0.0	133.63	0.0	36.58	0.0	55.14	12.78	0.0	25.22	4.81	13.09	22.59

TABLE 18.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		WATER WITHDRAWN (MGD) GROUND WATER FRESH	GROUND WATER SALINE	SURFACE WATER FRESH	SURFACE WATER SALINE	ALL WATER FRESH	ALL WATER SALINE	WATER CON SUMED	WATER USE BY MAJOR CLASSIFICATIONS (MGD) LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
HYDROLOGIC UNIT 0309																
BROWARD		2.50	0.0	1.00	0.0	3.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.50
CHARLOTTE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLLIER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DADE		3.38	0.0	0.0	0.0	3.38	0.0	1.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.38
GLADES	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HENDRY		0.22	0.0	0.60	0.0	0.82	0.0	0.13	0.0	0.0	0.0	0.0	0.22	0.60	0.0	0.0
HIGHLANDS	4	0.70	0.0	0.0	0.0	0.70	0.0	0.01	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0
LAKE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEE	2	0.40	0.0	8.00	0.0	8.40	0.0	0.02	8.00	0.0	0.0	0.0	0.0	0.0	0.40	0.0
MARTIN		0.08	0.0	0.0	0.0	0.08	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
MONROE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OKEECHOBEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ORANGE	3	9.92	0.0	0.0	0.0	9.92	0.0	2.45	0.0	0.0	0.0	0.0	1.50	0.0	0.0	8.42
OSCEOLA	4	0.70	0.0	0.0	0.0	0.70	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70
PALM BEACH		1.79	0.0	44.75	0.0	46.54	0.0	12.20	0.0	0.0	1.00	0.0	0.0	44.04	0.0	1.50
POLK	4	5.90	0.0	1.30	0.0	7.20	0.0	1.60	0.0	0.0	0.0	0.0	5.03	0.19	0.0	1.98
ST LUCIE	2	0.19	0.0	0.0	0.0	0.19	0.0	0.07	0.0	0.0	0.0	0.0	0.14	0.05	0.0	0.0
UNIT TOTAL		25.78	0.0	55.65	0.0	81.43	0.0	19.21	8.00	0.0	1.00	0.0	7.59	44.88	0.40	19.56
HYDROLOGIC UNIT 0310																
CHARLOTTE	4	0.10	0.0	0.0	0.0	0.10	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
CITRUS		1.32	0.0	0.0	0.0	1.32	0.0	0.33	1.03	0.0	0.0	0.0	0.14	0.15	0.0	0.0
DESOTO		0.59	0.0	0.0	0.0	0.59	0.0	0.11	0.0	0.0	0.0	0.0	0.23	0.11	0.0	0.25
GLADES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HARDEE		1.45	0.0	0.0	0.0	1.45	0.0	0.01	0.0	0.0	0.0	0.0	0.0	1.45	0.0	0.0
HERNANDO		61.68	0.0	0.0	0.0	61.68	0.0	27.30	61.50	0.0	0.0	0.0	0.0	0.17	0.0	0.01
HIGHLANDS	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HILLSBOROUGH		8.02	45.00	8.10	0.0	16.12	45.00	8.56	0.0	0.0	8.60	0.83	0.10	2.83	0.29	48.47
LAKE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANATEE		1.99	0.0	0.0	0.0	1.99	0.0	0.20	0.0	0.0	0.0	0.0	0.0	1.34	0.61	0.04
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PASCO		25.01	0.0	0.0	0.0	25.01	0.0	15.72	0.0	0.0	0.0	0.0	24.03	0.73	0.0	0.25
PINELLAS		1.30	0.0	0.0	0.0	1.30	0.0	0.40	0.0	0.0	0.0	0.0	0.39	0.24	0.0	0.67
POLK	4	264.40	0.0	0.55	0.0	264.95	0.0	34.07	0.0	0.0	0.05	241.70	12.22	6.53	0.0	4.60
SARASOTA		2.99	0.0	0.0	0.0	2.99	0.0	0.61	0.0	0.0	0.0	0.0	0.02	0.13	1.80	1.04
SUMTER	2	16.06	0.0	0.0	0.0	16.06	0.0	3.48	16.00	0.0	0.04	0.0	0.0	0.02	0.0	0.0
UNIT TOTAL		384.91	45.00	8.65	0.0	393.56	45.00	90.89	78.53	0.0	8.69	242.53	37.13	13.80	2.70	55.33

TABLE 18.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		WATER WITHDRAWN (MGD)						WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
		GROUND WATER		SURFACE WATER		ALL WATER		WATER CONSUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE									
HYDROLOGIC UNIT 0311																
ALACHUA	3	1.30	0.0	0.0	0.0	1.30	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.85
BAKER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRADFORD	2	3.96	0.0	0.0	0.0	3.96	0.0	1.64	0.0	0.0	2.59	0.0	0.0	0.01	0.0	1.36
CLAY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLUMBIA	2	0.12	0.0	0.0	0.0	0.12	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
DIXIE		0.45	0.0	3.09	0.0	3.54	0.0	0.19	0.0	0.0	3.36	0.0	0.0	0.0	0.0	0.18
GILCHRIST		0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
HAMILTON		30.30	0.0	0.0	0.0	30.30	0.0	3.10	0.0	0.0	2.50	A/ 27.80	0.0	0.0	0.0	0.0
JEFFERSON	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAFAYETTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MADISON		0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PUTNAM	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUWANNEE		2.39	0.0	0.0	0.0	2.39	0.0	0.34	1.44	0.0	0.0	0.0	0.0	0.90	0.0	0.05
TAYLOR		57.02	0.0	0.0	0.0	57.02	0.0	11.01	0.0	56.00	0.0	0.0	0.0	0.0	0.0	1.02
UNION		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UNIT TOTAL		95.60	0.0	3.09	0.0	98.69	0.0	16.87	1.44	56.00	8.45	27.80	0.0	1.36	0.0	3.64
HYDROLOGIC UNIT 0312																
FRANKLIN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GADSDEN	2	0.09	0.0	0.11	0.0	0.20	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.14
JEFFERSON	4	0.02	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
LEON		33.61	0.0	0.0	0.0	33.61	0.0	1.14	0.0	0.0	0.0	0.0	0.0	0.0	33.55	0.06
LIBERTY	2	0.33	0.0	0.0	0.0	0.33	0.0	0.27	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.18
WAKULLA		0.80	0.0	0.43	0.0	1.23	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23
UNIT TOTAL		34.85	0.0	0.54	0.0	35.39	0.0	1.75	0.0	0.0	0.15	0.0	0.0	0.0	33.61	1.63

TABLE 18.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		WATER WITHDRAWN (MGD) GROUND WATER FRESH	GROUND WATER SALINE	SURFACE WATER FRESH	SURFACE WATER SALINE	ALL WATER FRESH	ALL WATER SALINE	WATER CONSUMED	FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD) LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
HYDROLOGIC UNIT 0313																
BAY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALHOUN	2	0.36	0.0	0.0	0.0	0.36	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36
FRANKLIN	2	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
GADSDEN	2	0.0	0.0	1.83	0.0	1.83	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.83
GULF	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JACKSON	2	0.80	0.0	0.0	0.0	0.80	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80
LIBERTY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WASHINGTON	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UNIT TOTAL		1.17	0.0	1.83	0.0	3.00	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.01	0.0	2.99
HYDROLOGIC UNIT 0314																
BAY	2	1.35	0.0	0.0	0.0	1.35	0.0	0.33	0.0	0.33	0.50	0.0	0.0	0.21	0.0	0.31
ESCAMBIA		44.75	2.80	31.70	0.24	76.45	3.04	18.02	0.0	24.00	45.78	0.0	0.0	0.0	0.24	9.47
GULF	2	0.52	0.0	33.20	13.00	33.72	13.00	18.35	0.0	32.20	14.50	0.0	0.0	0.0	0.0	0.02
HOLMES		0.02	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
JACKSON	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OKALOOSA		6.05	0.0	0.0	0.0	6.05	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.05
SANTA ROSA		17.67	0.0	0.0	0.0	17.67	0.0	4.83	0.0	0.0	8.20	0.0	0.0	0.0	0.64	8.83
WALTON		0.41	0.0	0.0	0.0	0.41	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0
WASHINGTON	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UNIT TOTAL		70.77	2.80	64.90	13.24	135.67	16.04	43.03	0.0	56.53	68.98	0.0	0.0	0.62	0.88	24.70
STATE TOTAL		778.92	47.80	160.70	15.24	939.62	63.04	262.91	87.97	225.31	100.05	270.33	69.94	65.77	52.69	130.75

A/ Does not include 305 Mgal/d of water that is reused from their holding ponds.

TABLE 19.--A C R E S I R R I G A T E D B Y H Y D R O L O G I C U N I T S, 1975.

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
HYDROLOGIC UNIT 0307										
BAKER	2	0	0	0	0	10	0	0	50	60
COLUMBIA	2	0	0	0	0	0	0	0	0	0
DUVAL	2	0	0	0	0	0	0	0	0	0
NASSAU		0	0	0	0	0	0	0	175	175
UNIT TOTAL		0	0	0	0	10	0	0	225	235
HYDROLOGIC UNIT 0308										
ALACHUA	3	0	205	100	0	409	405	0	755	1874
BRADFORD	2	0	0	0	0	0	0	0	0	0
BREVARD		6000	0	23200	0	0	0	0	485	29685
CLAY	2	0	50	1000	0	0	0	0	60	1110
DUVAL	2	0	0	0	0	0	0	0	2338	2338
FLAGLER		0	4500	2400	0	0	0	0	0	6900
INDIAN RIVER		50000	0	34000	0	0	0	0	230	84230
LAKE		40560	7645	1950	0	0	0	585	390	51130
LEVY	4	0	30	24	0	18	150	150	60	432
MARION	5	4860	4860	16200	0	18	4050	4050	983	35021
OKEECHOBEE	2	545	100	5200	0	0	0	20	0	5865
ORANGE	3	11590	2745	0	0	0	2745	0	1645	18725
OSCEOLA	4	3360	0	85	0	210	0	125	125	3905
POLK	4	2750	60	210	0	0	0	0	30	3050
PUTNAM	2	800	4780	3000	0	0	2500	0	300	11380
ST JOHNS		60	19910	0	0	0	0	0	330	20300
ST LUCIE	2	11000	180	3300	0	0	0	30	120	14630
SEMINOLE		5000	4170	0	0	0	0	0	460	9630
SUMTER	2	7	35	15	0	0	0	30	5	92
VOLUSIA		600	3000	0	0	0	0	0	1420	5020
UNIT TOTAL		137132	52270	90684	0	655	9850	4990	9736	305317

TABLE 19.--A C R E S I R R I G A T E D B Y H Y D R O L O G I C U N I T S, 1975 (CONTINUED).

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
HYDROLOGIC UNIT 0309										
BROWARD		0	5000	0	0	0	0	0	5800	10800
CHARLOTTE	4	1424	346	1485	0	0	0	320	0	3575
COLLIER		7000	22500	5000	0	0	1000	3500	490	39490
DADE		3719	34185	750	0	0	0	0	12900	51554
GLADES	2	2200	1190	25828	15894	0	0	0	0	45112
HENDRY		30000	12000	88000	25000	0	0	0	0	155000
HIGHLANDS	4	31850	2730	91000	0	0	0	228	1274	127082
LAKE	4	1560	295	75	0	0	0	20	15	1965
LEE	2	6000	4900	21500	0	0	0	1290	2580	36270
MARTIN		41000	3000	5000	3000	0	0	0	1400	53400
MONROE		0	0	0	0	0	0	0	0	0
OKEECHOBEE	2	3655	700	34800	0	0	0	80	0	39235
ORANGE	3	7410	1755	0	0	0	1755	0	1055	11975
OSCEOLA	4	4640	0	115	0	290	0	175	175	5395
PALM BEACH		13000	119000	60000	245000	0	0	0	7000	444000
POLK	4	33900	740	2590	0	0	0	0	400	37630
ST LUCIE	2	62000	1020	18700	0	0	0	170	680	82570
UNIT TOTAL		249358	209361	354843	288894	290	2755	5783	33769	1145053
HYDROLOGIC UNIT 0310										
CHARLOTTE	4	3026	734	3155	0	0	0	680	130	7725
CITRUS		3500	5	0	0	0	80	200	1	3786
DESOTO		30000	1000	8000	0	0	160	3500	0	42660
GLADES		0	10	172	106	0	0	0	0	288
HARDEE		23000	2500	25000	0	0	0	1000	16	51516
HERNANDO		650	30	60	0	0	0	100	400	1240
HIGHLANDS	4	3150	270	9000	0	0	0	22	126	12568
HILLSBOROUGH		20000	9250	5000	0	0	0	0	2340	36590
LAKE	4	9880	1860	475	0	0	0	145	95	12455
LEE	2	1000	800	3500	0	0	0	210	420	5930
LEVY	4	0	4	3	0	2	20	20	8	57
MANATEE		7000	7000	8000	0	0	600	1000	2748	26348
MARION	5	1080	1080	3600	0	0	900	900	215	7775
PASCO		18000	800	5000	0	0	0	0	4000	27800
PINELLAS		1000	0	1000	0	0	0	0	8000	10000
POLK	4	55000	1200	4200	0	0	0	0	685	61085
SARASOTA		1500	2000	10000	0	0	850	0	125	14475
SUMTER	2	493	2465	985	0	15	100	2170	260	6488
UNIT TOTAL		178279	31008	87150	106	17	2710	9947	19569	328786

TABLE 19.--ACRES IRRIGATED BY HYDROLOGIC UNITS, 1975 (CONTINUED).

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
HYDROLOGIC UNIT 0311										
ALACHUA	3	0	450	980	0	1070	1035	0	1945	5480
BAKER	2	0	0	0	0	0	0	0	0	0
BRADFORD	2	0	100	0	0	50	0	0	140	290
CLAY	2	0	0	0	0	0	0	0	0	0
COLUMBIA	2	0	0	100	0	935	480	220	80	1815
DIXIE		0	33	80	0	73	0	225	0	411
GILCHRIST		0	60	100	0	200	200	100	0	660
HAMILTON		0	200	1000	0	1600	500	200	80	3580
JEFFERSON	4	0	124	316	0	31	0	62	203	736
LAFAYETTE		0	100	200	0	700	50	2000	6	3056
LEVY	4	0	166	133	0	100	830	830	332	2391
MADISON		0	760	100	0	1130	1200	200	2220	5610
MARION	5	60	60	200	0	0	50	50	12	432
PUTNAM	2	0	0	0	0	0	0	0	0	0
SUWANNEE		0	50	0	0	3000	500	400	40	3990
TAYLOR		0	20	0	0	200	25	0	81	326
UNION		0	0	0	0	250	0	0	250	500
UNIT TOTAL		60	2123	3209	0	9339	4870	4287	5389	29277
HYDROLOGIC UNIT 0312										
FRANKLIN	2	0	0	0	0	0	0	0	0	0
GADSDEN	2	0	1237	0	0	825	412	0	289	2763
JEFFERSON	4	0	76	194	0	19	0	38	125	452
LEON		0	0	0	0	0	280	0	223	503
LIBERTY	2	0	0	0	0	0	0	0	0	0
WAKULLA		0	0	0	0	0	0	0	0	0
UNIT TOTAL		0	1313	194	0	844	692	38	637	3718

TABLE 19.--ACRES IRRIGATED BY HYDROLOGIC UNITS, 1975 (CONTINUED).

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER-MELONS	OTHER	TOTAL
HYDROLOGIC UNIT 0313										
BAY	2	0	0	0	0	0	0	0	0	0
CALHOUN	2	0	0	0	0	0	120	0	252	372
FRANKLIN	2	0	0	0	0	0	0	0	0	0
GADSDEN	2	0	263	0	0	175	88	0	61	587
GULF	2	0	0	0	0	0	0	0	0	0
JACKSON	2	0	10625	850	0	85	2125	680	298	14663
LIBERTY	2	0	0	0	0	0	0	0	0	0
WASHINGTON	2	0	0	0	0	0	0	0	0	0
UNIT TOTAL		0	10888	850	0	260	2333	680	611	15622
HYDROLOGIC UNIT 0314										
BAY	2	0	0	0	0	0	0	0	0	0
CALHOUN	2	0	0	0	0	0	0	0	0	0
ESCAMBIA		0	0	0	0	0	0	0	428	428
GULF	2	0	0	0	0	0	0	0	300	300
HOLMES		0	100	0	0	0	0	0	50	150
JACKSON	2	0	1875	150	0	15	375	120	52	2587
OKALOOSA		0	0	520	0	0	0	0	310	830
SANTA ROSA		0	1900	0	0	0	0	0	102	2002
WALTON		0	6878	0	0	0	0	0	150	7028
WASHINGTON	2	0	0	0	0	0	0	0	0	0
UNIT TOTAL		0	10753	670	0	15	375	120	1392	13325
STATE TOTAL		564829	317716	537600	289000	11430	23585	25845	71328	1841333

TABLE 20.-- IRRIGATION WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975

COUNTY		ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
HYDROLOGIC UNIT 0307												
BAKER	2	60	750	5	755	0	250	0.67	0.00	0.67	0.0	0.22
COLUMBIA	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
DUVAL	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
NASSAU		175	0	580	580	0	400	0.0	0.52	0.52	0.0	0.36
UNIT TOTAL		235	750	585	1335	0	650	0.67	0.52	1.19	0.0	0.58
HYDROLOGIC UNIT 0308												
ALACHUA	3	1874	471	1411	1882	0	1310	0.42	1.26	1.68	0.0	1.17
BRADFORD	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BREVARD		29685	24100	41400	65500	3100	13600	21.52	36.97	58.49	2.77	12.14
CLAY	2	1110	40	10	50	0	10	0.04	0.01	0.04	0.0	0.01
DUVAL	2	2338	251	2015	2266	0	1133	0.22	1.80	2.02	0.0	1.01
FLAGLER		6900	0	9400	9400	0	0	0.0	8.39	8.39	0.0	0.0
INDIAN RIVER		84230	289100	44400	333500	37700	59100	258.17	39.65	297.82	33.67	52.78
LAKE		51130	16570	33500	50070	0	37440	14.80	29.92	44.71	0.0	33.43
LEVY	4	432	22	194	216	0	43	0.02	0.17	0.19	0.0	0.04
MARION	5	35021	771	14580	15351	0	12279	0.69	13.02	13.71	0.0	10.97
OKEECHOBEE	2	5865	2290	9775	12065	300	2400	2.04	8.73	10.77	0.27	2.14
ORANGE	3	18725	13480	8845	22325	1770	13420	12.04	7.90	19.94	1.58	11.98
OSCEOLA	4	3905	1760	3950	5710	210	2855	1.57	3.53	5.10	0.19	2.55
POLK	4	3050	160	3170	3330	0	3200	0.14	2.83	2.97	0.0	2.86
PUTNAM	2	11380	0	17691	17691	0	3538	0.0	15.80	15.80	0.0	3.16
ST JOHNS		20300	0	32225	32225	0	25780	0.0	28.78	28.78	0.0	23.02
ST LUCIE	2	14630	53610	8325	61935	7000	11700	47.87	7.43	55.31	6.25	10.45
SEMINOLE		9630	0	12300	12300	240	8300	0.0	10.98	10.98	0.21	7.41
SUMTER	2	92	0	54	54	0	43	0.0	0.05	0.05	0.0	0.04
VOLUSIA		5020	0	6000	6000	0	4500	0.0	5.36	5.36	0.0	4.02
UNIT TOTAL		305317	402625	249245	651870	50320	200651	359.54	222.58	582.12	44.94	179.18

TABLE 20.-- IRRIGATION WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
HYDROLOGIC UNIT 0309												
BROWARD		10800	66700	20000	86700	8700	16400	59.56	17.86	77.42	7.77	14.65
CHARLOTTE	4	3575	0	12288	12288	0	4546	0.0	10.97	10.97	0.0	4.06
COLLIER		39490	5600	72250	77850	16130	39100	5.00	64.52	69.52	14.40	34.92
DADE		51554	3250	98000	101250	0	37200	2.90	87.51	90.42	0.0	33.22
GLADES	2	45112	46300	12418	58718	6060	41623	41.35	11.09	52.44	5.41	37.17
HENDRY		155000	237600	86100	323700	31000	189300	212.18	76.89	289.06	27.68	169.04
HIGHLANDS	4	127082	58720	88440	147160	7640	45310	52.44	78.98	131.41	6.82	40.46
LAKE	4	1965	652	1301	1953	0	1437	0.58	1.16	1.74	0.0	1.28
LEE	2	36270	15000	46740	61740	835	36300	13.39	41.74	55.13	0.75	32.42
MARTIN		53400	85900	7600	93500	11200	46000	76.71	6.79	83.50	10.00	41.08
MONROE		0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
OKEECHOBEE	2	39235	15310	65425	80735	2000	16000	13.67	58.42	72.10	1.79	14.29
ORANGE	3	11975	8620	5655	14275	1130	8580	7.70	5.05	12.75	1.01	7.66
OSCEOLA	4	5395	2440	5450	7890	290	3945	2.18	4.87	7.05	0.26	3.52
PALM BEACH		444000	524500	39100	563600	68400	367800	468.38	34.92	503.29	61.08	328.45
POLK	4	37630	2050	39105	41155	0	39450	1.83	34.92	36.75	0.0	35.23
ST LUCIE	2	82570	303790	46475	350265	39600	66500	271.28	41.50	312.79	35.36	59.38
UNIT TOTAL		1145053	1376432	646347	2022779	192985	959491	1229.15	577.19	1806.34	172.34	856.82
HYDROLOGIC UNIT 0310												
CHARLOTTE	4	7725	0	26132	26132	0	9961	0.0	23.34	23.34	0.0	8.90
CITRUS		3786	265	265	530	0	424	0.24	0.24	0.47	0.0	0.38
DESOTO		42660	2240	69195	71435	0	47933	2.00	61.79	63.79	0.0	42.80
GLADES		288	300	82	382	40	277	0.27	0.07	0.34	0.04	0.25
HARDEE		51516	0	101357	101357	0	70291	0.0	90.51	90.51	0.0	62.77
HERNANDO		1240	114	660	774	0	608	0.10	0.59	0.69	0.0	0.54
HIGHLANDS	4	12568	5780	8760	14540	760	4490	5.16	7.82	12.98	0.68	4.01
HILLSBOROUGH		36590	2540	48859	51399	0	36400	2.27	43.63	45.90	0.0	32.51
LAKE	4	12455	4025	8135	12160	0	9120	3.59	7.26	10.86	0.0	8.14
LEE	2	5930	2390	7610	10000	135	5900	2.13	6.80	8.93	0.12	5.27
LEVY	4	57	3	26	29	0	6	0.00	0.02	0.03	0.0	0.01
MANATEE		26348	1343	25514	26857	0	3064	1.20	22.78	23.98	0.0	2.74
MARION	5	7775	171	3240	3411	0	2730	0.15	2.89	3.05	0.0	2.44
PASCO		27800	10563	42276	52839	0	32676	9.43	37.75	47.19	0.0	29.18
PINELLAS		10000	0	37818	37818	0	11200	0.0	33.77	33.77	0.0	10.00
POLK	4	61085	3353	63417	66770	0	63950	2.99	56.63	59.63	0.0	57.11
SARASOTA		14475	2238	20145	22383	0	18674	2.00	17.99	19.99	0.0	16.68
SUMTER	2	6488	190	3550	3740	0	2840	0.17	3.17	3.34	0.0	2.54
UNIT TOTAL		328786	35515	467041	502556	935	320544	31.71	417.07	448.78	0.83	286.25

TABLE 20.-- IRRIGATION WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
HYDROLOGIC UNIT 0311												
ALACHUA	3	5480	1200	3600	4800	0	3368	1.07	3.21	4.29	0.0	3.01
BAKER	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BRADFORD	2	290	7	59	66	0	33	0.01	0.05	0.06	0.0	0.03
CLAY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
COLUMBIA	2	1815	127	1146	1273	0	891	0.11	1.02	1.14	0.0	0.80
DIXIE		411	52	119	171	0	34	0.05	0.11	0.15	0.0	0.03
GILCHRIST		660	20	185	205	0	41	0.02	0.17	0.18	0.0	0.04
HAMILTON		3580	167	1506	1673	0	335	0.15	1.34	1.49	0.0	0.30
JEFFERSON	4	736	53	429	482	0	120	0.05	0.38	0.43	0.0	0.11
LAFAYETTE		3056	168	1530	1698	0	424	0.15	1.37	1.52	0.0	0.38
LEVY	4	2391	119	1076	1195	0	239	0.11	0.96	1.07	0.0	0.21
MADISON		5610	206	1857	2063	0	518	0.18	1.66	1.84	0.0	0.46
MARION	5	432	10	180	190	0	151	0.01	0.16	0.17	0.0	0.13
PUTNAM	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
SUWANNEE		3990	0	1592	1592	0	318	0.0	1.42	1.42	0.0	0.28
TAYLOR		326	18	195	213	0	43	0.02	0.17	0.19	0.0	0.04
UNION		500	25	200	225	0	45	0.02	0.18	0.20	0.0	0.04
UNIT TOTAL		29277	2172	13674	15846	0	6560	1.94	12.21	14.15	0.0	5.86
HYDROLOGIC UNIT 0312												
FRANKLIN	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
GADSDEN	2	2763	2246	0	2246	0	449	2.01	0.0	2.01	0.0	0.40
JEFFERSON	4	452	33	263	296	0	74	0.03	0.23	0.26	0.0	0.07
LEON		503	173	487	660	0	0	0.15	0.43	0.59	0.0	0.0
LIBERTY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
WAKULLA		0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
UNIT TOTAL		3718	2452	750	3202	0	523	2.19	0.67	2.86	0.0	0.47

TABLE 20.-- IRRIGATION WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	TOTAL WATER WITHDRAWN (MGD) SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
HYDROLOGIC UNIT 0313												
BAY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
CALHOUN	2	372	1575	1317	2892	0	578	1.41	1.18	2.58	0.0	0.52
FRANKLIN	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
GADSDEN	2	587	478	0	478	0	96	0.43	0.0	0.43	0.0	0.09
GULF	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
JACKSON	2	14663	573	5146	5719	0	1429	0.51	4.60	5.11	0.0	1.28
LIBERTY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
WASHINGTON	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
UNIT TOTAL		15622	2626	6463	9089	0	2103	2.35	5.77	8.12	0.0	1.88
HYDROLOGIC UNIT 0314												
BAY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
CALHOUN	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
ESCAMBIA		428	302	704	1006	0	201	0.27	0.63	0.90	0.0	0.18
GULF	2	300	0	250	250	0	100	0.0	0.22	0.22	0.0	0.09
HOLMES		150	83	0	83	0	0	0.07	0.0	0.07	0.0	0.0
JACKSON	2	2587	100	907	1007	0	252	0.09	0.81	0.90	0.0	0.23
OKALOOSA		830	385	425	810	0	162	0.34	0.38	0.72	0.0	0.14
SANTA ROSA		2002	0	366	366	0	73	0.0	0.33	0.33	0.0	0.07
WALTON		7028	210	665	875	0	144	0.19	0.59	0.78	0.0	0.13
WASHINGTON	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
UNIT TOTAL		13325	1080	3317	4397	0	932	0.96	2.96	3.93	0.0	0.83
STATE TOTAL		1841333	1823652	1387422	3211074	244240	1491454	1628.52	1238.96	2867.48	218.11	1331.87

TABLE 21.-- THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975

COUNTY		COOLING WATER (MGD)				OTHER WATER (MGD)				WATER CONSUMED		AVE ANNUAL GENERATION
		SELF-SUPPLIED				PUBLIC SUPPLY	SELF-SUPPLIED		PUBLIC SUPPLY			
		GROUND WATER		SURFACE WATER			FRESH	FRESH				
		FRESH	SALINE	FRESH	SALINE		GW	SW		FRESH	SALINE	(KWHX10**6)
HYDROLOGIC UNIT 0307												
BAKER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
COLUMBIA	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DUVAL	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
NASSAU		45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	A/ 0
UNIT TOTAL		45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HYDROLOGIC UNIT 0308												
ALACHUA	3	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.6	0.0	0
BRADFORD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
BREVARD		0.0	0.0	0.0	1612.0	0.0	0.50	0.0	0.03	0.4	7.4	5420
CLAY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DUVAL	2	0.0	0.0	40.0	653.8	0.0	2.12	0.0	0.0	4.0	5.2	5537
FLAGLER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
INDIAN RIVER		4.3	0.0	0.0	60.0	0.0	0.0	0.0	0.0	3.6	3.4	269
LAKE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
OKEECHOBEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ORANGE	3	0.0	0.0	77.4	0.0	0.0	0.08	0.0	0.0	0.4	0.0	217
OSCEOLA	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
PUTNAM	2	0.0	0.0	120.0	0.0	0.0	0.06	0.0	0.0	0.7	0.0	445
ST JOHNS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ST LUCIE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	790
SEMINOLE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SUMTER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
VOLUSIA		0.0	0.0	314.0	16.0	0.0	0.03	0.0	0.0	6.5	0.0	4742
UNIT TOTAL		4.3	0.0	551.4	2341.8	0.90	2.79	0.0	0.03	17.3	16.0	17420

TABLE 21.— THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		COOLING WATER (MGD) SELF-SUPPLIED GROUND WATER FRESH	SELF-SUPPLIED GROUND WATER SALINE	SELF-SUPPLIED SURFACE WATER FRESH	SELF-SUPPLIED SURFACE WATER SALINE	OTHER WATER (MGD) PUBLIC SUPPLY	SELF-SUPPLIED FRESH GW	SELF-SUPPLIED FRESH SW	PUBLIC SUPPLY	WATER CONSUMED FRESH	WATER CONSUMED SALINE	AVE ANNUAL GENERATION (KWHX10**6)
HYDROLOGIC UNIT 0309												
BROWARD		0.0	0.0	0.0	1678.0	0.03	0.50	0.0	0.0	0.4	7.4	12500
CHARLOTTE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
COLLIER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DADE		0.0	0.0	0.0	504.0	0.0	0.04	0.0	0.05	0.1	18.4	13048
GLADES	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HENDRY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HIGHLANDS	4	0.0	0.0	95.2	0.0	0.0	0.0	0.03	0.0	0.3	0.0	237
LAKE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEE	2	0.0	0.0	0.0	568.0	0.0	0.04	0.0	0.07	0.1	4.8	3491
MARTIN		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MONROE		0.0	47.5	0.0	0.0	0.0	0.10	0.0	0.0	0.1	0.5	352
OKEECHOBEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ORANGE	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
OSCEOLA	4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	96
PALM BEACH		0.0	0.0	0.0	657.0	0.51	0.18	0.0	0.0	0.5	5.3	3896
UNIT TOTAL		0.5	47.5	95.2	3407.0	0.54	0.86	0.03	0.12	1.6	36.4	33620
HYDROLOGIC UNIT 0310												
CHARLOTTE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
CITRUS		0.0	0.0	0.0	919.0	0.0	0.63	0.0	0.0	0.5	7.5	5497
DESOTO		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GLADES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HARDEE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.1	0.0	3
HERNANDO		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HIGHLANDS	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HILLSBOROUGH		0.0	0.0	0.0	3031.0	0.0	0.37	2.04	0.0	1.3	19.1	8702
LAKE	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEE	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MANATEE		0.0	0.0	B/25.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
PASCO		0.0	0.0	0.0	670.0	0.0	0.0	0.0	0.23	0.2	4.2	3055
PINELLAS		0.0	0.0	0.0	794.0	0.0	0.0	0.0	0.14	0.1	5.8	3485
POLK	4	0.0	0.0	298.5	0.0	0.0	0.11	0.0	0.19	3.8	0.0	949
SARASOTA		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SUMTER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
UNIT TOTAL		0.0	0.0	323.5	5414.0	0.0	1.13	2.04	0.79	6.0	36.6	21691

TABLE 21.-- THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		COOLING WATER (MGD) SELF-SUPPLIED GROUND WATER FRESH	GROUND WATER SALINE	SURFACE WATER FRESH	SURFACE WATER SALINE	PUBLIC SUPPLY	OTHER WATER (MGD) SELF-SUPPLIED FRESH GW	FRESH SW	PUBLIC SUPPLY	WATER CONSUMED FRESH	SALINE	AVE ANNUAL GENERATION (KWHX10**6)
HYDROLOGIC UNIT 0311												
ALACHUA	3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	379
BAKER	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
BRADFORD	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
CLAY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
COLUMBIA	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DIXIE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GILCHRIST		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HAMILTON		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
JEFFERSON	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LAFAYETTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEVY	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MADISON		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
PUTNAM	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SUWANNEE		0.1	0.0	172.8	0.0	0.0	0.01	0.0	0.0	1.3	0.0	936
TAYLOR		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
UNION		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
UNIT TOTAL		0.6	0.0	172.8	0.0	0.0	0.01	0.0	0.0	1.6	0.0	1315
HYDROLOGIC UNIT 0312												
FRANKLIN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GADSDEN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
JEFFERSON	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEON		1.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.6	0.0	474
LIBERTY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WAKULLA		0.0	0.0	104.6	0.0	0.0	0.28	0.0	0.70	0.0	0.0	389
UNIT TOTAL		1.0	0.0	104.6	0.0	0.0	0.46	0.0	0.70	0.6	0.0	863

TABLE 21.-- THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1975 (CONTINUED)

COUNTY		COOLING WATER (MGD) SELF-SUPPLIED GROUND WATER FRESH	SELF-SUPPLIED GROUND WATER SALINE	SELF-SUPPLIED SURFACE WATER FRESH	SELF-SUPPLIED SURFACE WATER SALINE	OTHER WATER (MGD) PUBLIC SUPPLY	SELF-SUPPLIED FRESH GW	SELF-SUPPLIED FRESH SW	PUBLIC SUPPLY	WATER CONSUMED FRESH	WATER CONSUMED SALINE	AVE ANNUAL GENERATION (KWHX10**6)
HYDROLOGIC UNIT 0313												
BAY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
CALHOUN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
FRANKLIN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GADSDEN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
GULF	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
JACKSON	2	0.3	0.0	120.1	0.0	0.0	0.0	0.32	0.0	0.8	0.0	443
LIBERTY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WASHINGTON	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
UNIT TOTAL		0.3	0.0	120.1	0.0	0.0	0.0	0.32	0.0	0.8	0.0	443
HYDROLOGIC UNIT 0314												
BAY	2	0.0	0.0	0.0	228.7	0.0	0.68	0.0	0.0	0.5	2.1	1500
CALHOUN	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ESCAMBIA		0.0	0.0	265.4	0.0	0.0	2.52	0.0	0.0	7.7	0.0	4250
GULF	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
HOLMES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
JACKSON	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
OKALOOSA		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SANTA ROSA		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WALTON		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WASHINGTON	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
UNIT TOTAL		0.0	0.0	265.4	228.7	0.0	3.20	0.0	0.0	8.2	2.1	5750
STATE TOTAL		51.7	47.5	1633.0	11391.5	1.44	8.45	2.39	1.64	36.1	91.1	81102

A/ Not available.
B/ Water used to fill reservoir only, not in operation during 1975.

*U.S. GOVERNMENT PRINTING OFFICE: 1978--746-877/6016 Region No. 4