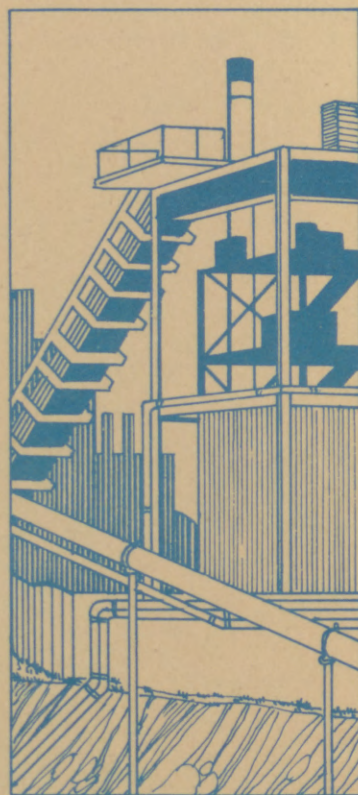
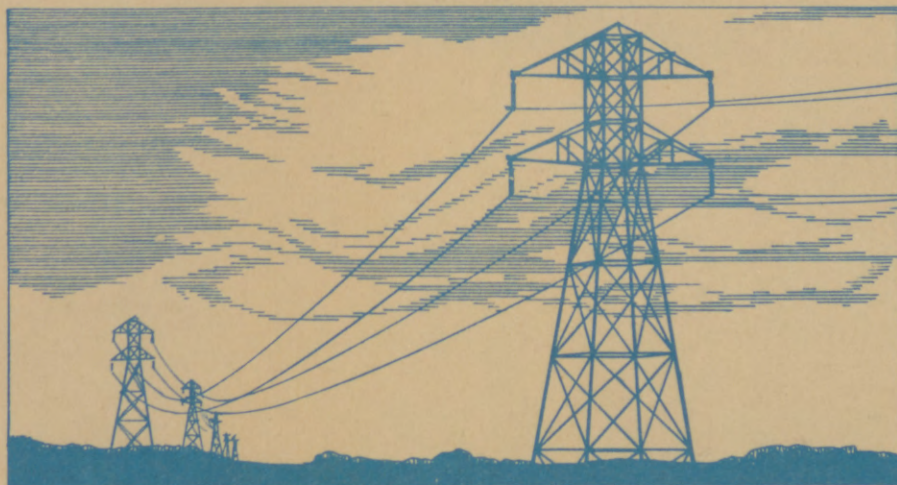
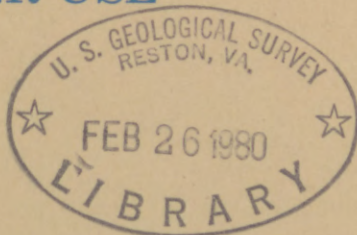


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ESTIMATED WATER USE IN FLORIDA, 1977

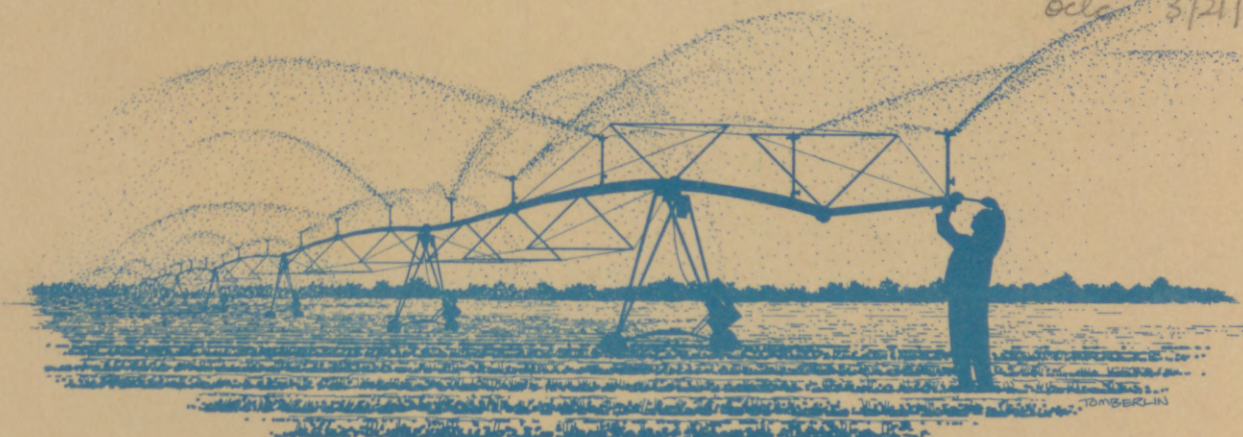


U.S. GEOLOGICAL SURVEY

Water Resources-Investigations 79-112

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Prepared in cooperation with
FLORIDA 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



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ESTIMATED WATER USE IN FLORIDA, 1977

By S. D. Leach and H. G. Healy

ABSTRACT

During 1977, an average of 21,466 million gallons of water was withdrawn daily for use in Florida--an increase of 6,153 million gallons per day since 1970. The 1977 daily use was 14,812 million gallons of saline water and 6,654 million gallons of freshwater.

Most of the saline water, largely surface water, was pumped from tidal estuaries. Only 107.6 million gallons per day of saline water--less than 1 percent--was obtained from wells. Thermoelectric power generation used virtually all the saline water, 14,738 million gallons per day, whereas all other industrial uses were only 73 million gallons of saline water per day. The freshwater supply was almost equally divided between ground water (53 percent) and surface water (47 percent).

Of the total freshwater used, 43 percent was for irrigation--an average of 2,873 million gallons of freshwater daily on the average. The remaining daily use of freshwater was 21 percent for thermoelectric power generation, 19 percent for public supply; 14 percent for industrial use other than thermoelectric power generation; and 3 percent for domestic and rural use.

Irrigation was also responsible for the greatest consumption during 1977, with 1,255 million gallons consumed daily which also includes 192 million gallons per day conveyance loss.

INTRODUCTION

Population, industry, and agricultural production in Florida continue to grow rapidly. This growth is reflected by the increase in the size and number of wells, well-fields and water plants for municipal, industrial, and irrigational use.

In order to successfully cope with the increasing demand for water, long range water-management plans must be made by State and local authorities involved in regulating and conserving the State's natural freshwater resource.

Prerequisite to successful water-management planning is the accumulation of information on the quantity of water used by industry, agriculture, and municipalities. The timely presentation of such information is playing an increasingly important role in the evaluation of hydrologic data used to monitor water resources. Accessibility to hydrologic data has been increased by the use of tabulated computerized water-use data, the prime means of timely presentation of such information.

From 1970 to 1977 the average amount of freshwater available for man's use in Florida remained relatively unchanged while the population increased by almost 2 million. Because of this increase--almost equally divided between incorporated and unincorporated areas of the State--348 Mgal/d (million gallons per day) more water was pumped for municipal water use (public supplies) in 1977 than in 1970, an increase of almost 40 percent.

The overall increase in demand for freshwater for five categories (public-supply, rural, industrial, irrigation, and thermoelectric use) accentuated the need of an annual assessment of the source, use, and disposition of water in Florida. An annual assessment not only shows changes in quantities of water used but also indicates trends in use. It will provide the basic information required for appraising hydrologic systems, establishing water budgets, and developing water-use plans. For future planning to be realistic, estimates of future water requirements based on historical record and current information should be available.

Water data for this report are presented by principal use and by source for each of the 67 counties in Florida (fig. 1), by the five Water Management Districts, and by hydrologic unit subregions which make up the eight major drainage basins in the State. Tabulated annual water-use information summaries are presented for the following principal use categories: Public supply based on 602 public supply systems including detailed study of 183 selected municipalities and 6 county water systems; rural supply including domestic and livestock use; industrial self supplied; irrigation water use including areas irrigated; and thermoelectric power generation.



Figure 1.--The 67 counties in Florida for which annual water use data are tabulated.

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 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 supplies by the use of desalination processes for some types of industrial processing and for other uses. The conservation of freshwater is already evident in thermoelectric power generation: The average annual generation of power increased from $57,260 \text{ kWh} \times 10^6$ (kilowatthours) in 1970 to $134,914 \text{ kWh} \times 10^6$ in 1977, or an increase of almost 136 percent. However, the use of freshwater by power generating plants decreased about 19 percent since 1975 while the use of saline water increased by 29 percent.

Hydraulic equivalents for different quantitative water units are given in table 1.

ACKNOWLEDGMENTS

Most of the data presented in this summary were collected by water-use specialists of the State Water Management Districts and the U.S. Geological Survey. Water Management District personnel who furnished information on water-use include: Nagendra Khanal, South Florida; Nancy Stevens, St. Johns River; Richard Musgrove, Suwannee River, and Ron Madonia, Northwest Florida; and by U.S. Geological Survey Project Leaders; Dick Hedges, Orlando; Eugene Hayes, Jacksonville; Dan Duerr, Tampa; Wes Miller, Miami, and Dave Hunn, Tallahassee.

Public Supply

Source and Reliability of Data

The amount of water pumped by public-supply systems in 1977 was furnished mostly by water department officials. The officials of most of these utilities systems maintain adequate and reliable water-use data. Because some smaller utility companies do not maintain records of pumpage, their use is estimated by comparison to similar size utilities that maintain adequate records.

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	1,120.15	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

Annual tabulated estimates of public supply uses are given for 183 municipalities with populations greater than 5,000; also included are data for municipalities that use surface water, county seats, or municipalities that use a desalination process. Also included are 6 county water systems that serve a total of about 690,000 people (table 2).

Water Withdrawn

The average daily use of water in Florida by public supplies in 1977 was estimated to be 1,232 Mgal/d, an increase of 86 Mgal/d since 1975 (table 3). Of this quantity, ground water accounts for 86 percent while the remaining 14 percent was surface water from lakes, streams, and reservoirs. The population of the State increased from 8,485,100 in 1975 to 8,717,100 in 1977 (July 1977 estimated Florida Bureau of Economic and Business Research, Division of Population Studies). This increase in population of 232,000 and a reduction of the number of people in the rural self-supplied category over the 2-year period contributed to an increase of 377,500 people to the number served by public water supplies in 1975. Of all the water pumped, 961 Mgal/d was for the public supply category--an increase of 37 Mgal/d during the last two years (see table 3). The other uses included in the category of public water supply--in addition to general use for domestic purposes--were as follows: 23.8 Mgal/d for agriculture, 217.6 Mgal/d for commercial and industrial use, and 29.7 Mgal/d for air conditioning. These three other uses of utilities systems water was an 48.9 Mgal/d increase in their water use since 1975.

The 1977 average per capita water use for the public supply systems was 171 as compared to 168 Mgal/d for 1975. Considering only the part of public supply water used for domestic purposes, the average per capita use was 134 Mgal/d. These per capita values have remained about the same over the years so the increase in freshwater use for domestic purposes is directly related to increases in the numbers of people serviced by public supply.

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 discharged from the sewage treatment plant. This relationship correlates 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

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Table 2.-- WATER USE BY SELECTED MUNICIPALITIES IN FLORIDA, 1977

MUNICIPALITY: INCLUDED ARE: MUNICIPALITIES OF 5000 OR MORE POPULATION; MUNICIPALITIES THAT ARE COUNTY SEATS; AND IN ADDITION TO THOSE MUNICIPALITIES SUPPLIED BY GROUND WATER SOURCES ALSO INCLUDED ARE THOSE MUNICIPALITIES SUPPLIED WHOLLY OR IN PART FROM SURFACE WATER SOURCES.

COUNTY (CG.): 01, ALACHUA; 02, BAKER; 03, BAY; 04, BRADFORD; 05, BREVARD; 06, BROWARD; 07, CALHOUN; 08, CHARLOTTE; 09, CITRUS; 10, CLAY; 11, COLLIER; 12, COLUMBIA; 13, DADE; 14, DESOTO; 15, DIXIE; 16, DUVAL; 17, ESCAMBIA; 18, FLAGLER; 19, FRANKLIN; 20, GADSDEN; 21, GILCHRIST; 22, GLADES; 23, GULF; 24, HAMILTON; 25, HARDEE; 26, HENDRY; 27, HERNANDO; 28, HIGHLANDS; 29, HILLSBOROUGH; 30, HOLMES; 31, INDIAN RIVER; 32, JACKSON; 33, JEFFERSON; 34, LAFAYETTE; 35, LAKE; 36, LEE; 37, LEON; 38, LEVY; 39, LIBERTY; 40, MADISON; 41, MANATEE; 42, MARION; 43, MARTIN; 44, MONROE; 45, NASSAU; 46, OKALOOSA; 47, OKEECHOBEE; 48, ORANGE; 49, OSCEOLA; 50, PALM BEACH; 51, PASCO; 52, PINELLAS; 53, POLK; 54, PUTNAM; 55, ST. JOHNS; 56, ST. LUCIE; 57, SANTA ROSA; 58, SARASOTA; 59, SEMINOLE; 60, SUMTER; 61, SUWANNEE; 62, TAYLOR; 63, UNION; 64, VOLUSIA; 65, WAKULLA; 66, WALTON; 67, WASHINGTON.

SOURCES OF WATER (S): G, GROUND WATER; S, SURFACE WATER; X, GROUND AND SURFACE WATER.

MONTH OF HIGHEST PUMPAGE: 1-9, JANUARY-SEPTEMBER; O, OCTOBER; N, NOVEMBER; D, DECEMBER.

PUMPAGE HIGHEST AND LOWEST MONTH: N/R = NOT REPORTED.

WATER TREATMENT: A, AERATION; C, CHLORINATION; D, FLOCCULATION; E, ALGAE CONTROL; F, FILTRATION; G, COAGULATION; H, TASTE AND ODOR CONTROL; I, CARBONATION; J, SOFTENING AND FILTRATION; K, DESALINATION PROCESS; L, CLARIFICATION; M, COAGULATION AND FLOCCULATION, SEDIMENTATION, STABILIZATION AND CLARIFICATION; N, NONE; O, COAGULATION AND SOFTENING; P, ANTI-PRECIIPITATION AND CORROSION CONTROL; Q, SEDIMENTATION AND SOFTENING; R, RECARBONATION; S, SEDIMENTATION; T, STABILIZATION; U, FLUORIDATION; V, SOFTENING; X, PH CONTROL; Z, CHLORINATION AND FLUORIDATION.

TYPE OF ANALYSIS: B, BACTERIOLOGICAL; C, CHEMICAL; P, COLOR/TURBIDITY; S, SPECTROGRAPHIC.

FREQUENCY OF ANALYSIS: SAME AS TYPE ANALYSIS: I.E. FREQUENCY MI, M APPLIES TO B AND I APPLIES TO C UNDER TYPE ANALYSIS: A, ANNUALLY; D, DAILY; H, HOURLY; I, INTERMITTENTLY; M, MONTHLY; Q, QUARTERLY; S, SEMIANNUALLY; W, WEEKLY; X, SEMIMONTHLY.

SEWAGE TREATMENT: A, AERATION; B, BIOFILTRATION; C, CHLORINATION; D, DIGESTION; E, CLARIFICATION; F, FILTRATION; G, GRIT CHAMBERS; H, DIFFUSED AIR; I, INCINERATION; J, DRYING; L, NOT REPORTED; M, OXIDATION; N, NONE; O, COMMINUTION; P, POLISHING POND; Q, SKIMMING; R, SPIRO VORTEX; S, ACTIVATED SLUDGE; T, SEPTIC TANKS; U, CONTACT STABILIZATION; V, SETTLING; X, PRIMARY; Y, SECONDARY; Z, TERTIARY.

Table 2.-- WATER USE BY SELECTED MUNICIPALITIES IN FLORIDA, 1977 --Continued

MUNICIPALITY	CO.	POPULATION SERVED	S	RATED PLANT CAP.	PUMPAGE (MGY)	PUMPAGE (MGD)	MNTH HIGH PUMP	PUMP HIGH MNTH	MNTH LOW PUMP	PUMP LOW MNTH	WATER TREATMENT	TYPE ANALYSIS	FREQ ANALYSIS	PER CAP USE	SEWAGE TREATMENT	SEWAGE DISCH (MGD)
ALTAMONTE SP	59	16,710	G	10.0	1516.96	4.15	5	198.95	1	82.16	AC	B	M	248	S	2.00
APALACHICOLA	19	2,600	G	3.9	187.00	4.51	7	20.78	0	12.70	AC	B	M	197	S	.48
APOPKA	48	12,612	G	3.0	709.81	1.34	5	45.98	2	44.31	AC	BC	WD	161	ASY	.46
ARCADIA	14	7,000	G	2.5	272.10	1.74	4	20.21	0	14.82	GCJST	B	M	106	CSY	.80
ATLANTIC BCH	16	6,100	G	2.6	466.32	1.28	7	54.31	2	27.37	AC	B	M	210	J	.69
AUBURNDALE	53	13,704	G	5.0	451.99	1.23	5	63.93	0	29.96	AC	BC	MA	90	FG	.50
AVON PARK	28	9,000	G	6.3	405.82	1.11	4	54.12	8	23.18	N	BC	MA	123	CY	.80
a AZALEA PARK	48	5,500	G	2.5	275.58	.76	5	36.60	0	10.50	AC	BC	WA	109	J	2.00
BARTOW	54	17,000	G	4.1	1006.41	2.75	5	117.43	2	64.96	AFC	BC	MI	162	CFXY	1.35
BAY CO WTR S	03	65,000	S	53.5	10256.67	28.10	5	998.92	0	664.24	COFX	BC	DD	100	AVXY	c 24.96
BELLE GLADE	50	20,750	S	6.0	1292.45	3.54	0	159.51	7	78.01	CFGS	BC	MA	170	CDUOPY	1.65
BENJAMIN RD	29	8,500	G	2.3	344.54	.94	5	37.54	2	21.39	AC	BC	MW	111	d JSTVYZ	.62
BLOUNTSTOWN	07	2,485	G	1.4	94.32	.25	5	10.23	0	6.52	C	BC	MW	104	A	.30
BOCA RATON	50	46,200	G	57.0	7104.50	19.46	7	717.70	1	402.90	CFV	BC	AS	420	CY	4.21
BONIFAY	30	2,880	G	1.4	191.81	.52	5	19.74	2	12.93	C	BC	MA	180		.20
e BONITA SPRS	36	13,000	G	.5	161.40	.44	4	16.40	9	10.00	ACV	BC	WS	34	NT	.00
BOYNTON BCH	50	36,800	G	12.0	2604.59	7.13	7	259.14	2	185.16	ACFS	BC	DD	194	YD	3.20
BRADENTON	41	28,000	S	7.0	1271.29	3.48	7	126.91	2	69.12	CFGHV	BC	DD	161	U	3.62
BRANDON	29	31,000	G	14.9	1367.22	3.75	5	206.03	2	68.24	C	BC	MA	121	g	1.02
BRISTOL	39	1,305	G	.6	13.30	.04	N/R	N/R	N/R	N/R	C	BC	MA	30	N/R	.00
BRONSON	38	650	G	.7	24.30	.07	6	3.00	1	1.30	AC	BC	MS	110	NT	.00
BROCKSVILLE	27	5,349	G	2.5	335.80	.92	5	37.40	9	24.10	AC	BC	MI	172	AF	.82
BROWARD CO	06	136,000	G	33.2	6550.99	18.01	h 3	277.01	N	1.88	AEJMPZ	BCS	WMA	132	ACEJOY	1.58
BUNNELL	18	2,000	G	.6	78.43	.21	5	7.78	0	5.12	CFVX	BC	AD	105	F	.18
BUSHNELL	60	926	G	.5	60.35	.16	4	7.78	1	3.84	ACGP	B	M	172	NT	.00
i CALLAWAY	03	5,017	S	j 5.0	251.13	2.68	6	31.33	3	14.10	ACFGVK	BC	MD	136	NT	.00
CAPE CORAL	36	22,000	G	4.0	1084.00	2.97	5	122.00	1	55.00	ACFGV	BC	DD	135	S	2.45
CAROL CITY	13	32,165	G	9.0	1628.00	4.47	4	159.55	2	119.07	ACFGV	BC	MS	139	S	3.18
CASSELBERRY	59	15,300	G	2.0	970.98	2.66	5	136.57	0	47.00	AC	BC	MS	173	ACP	1.03
CENTURY VILL	50	15,000	G	2.0	355.77	.97	3	36.53	9	24.19	CFV	BC	WS	65	YP	.79
o CHATTAHOOCHE	20	3,340	G	1.4	144.74	.39	5	17.04	2	9.91	C	BC	MI	119	CUXY	.26
CHIPLEY	67	3,700	G	1.2	197.00	.53	N/R	N/R	N/R	N/R	C	BC	AA	143	AY	.48
CLEARWATER	52	86,000	G	14.0	4465.50	k 12.23	5	503.70	2	300.10	AC	BC	MA	142	SP	11.30
CLEWISTON	26	10,000	S	4.0	493.19	1.35	0	43.57	8	37.09	CFGUV	BCS	WDI	135	AU	.55
COCOA	05	100,000	G	40.0	5882.26	15.29	7	585.40	0	345.30	AC	BC	WW	153	COFX	.00
CORAL SPRING	06	17,000	G	5.3	835.10	2.29	0	71.50	1	64.30	ACFGX	BC	DD	135	AGJXYZ	2.05
CRAWFORDVILLE	65	464	G	.3	7.86	.02	N/R	N/R	N/R	N/R	C	B	A	43	NT	.00
CRESTVIEW	46	8,120	G	2.0	570.16	1.55	8	55.82	1	25.61	C	B	M	192	CFXY	.51
CROSS CITY	15	2,600	G	1.3	142.70	.39	5	13.60	1	10.40	C	BC	MM	149	Y	.08
CUTLER RIDGE	13	45,500	G	12.2	2613.80	7.18	0	329.80	5	193.40	C	BC	MA	159	A	3.69
DADE CITY	51	9,500	G	4.0	439.75	1.20	5	56.31	2	28.33	C	B	M	126	CSUX	.66
DANIA	06	11,000	G	3.0	490.00	1.34	3	50.00	9	35.00	CEFGHY	BC	XA	122	N	1.70
DAYTONA BCH	64	62,500	G	22.0	4147.30	11.40	7	423.00	0	273.30	AEFHMZ	BC	WD	182	ACGUQY	14.80
DEERFLD BCH	06	31,000	G	12.0	2583.83	7.07	3	258.10	2	179.51	ACFJ	BC	MA	228	DGUC	3.40
DE FUNAK SPR	66	5,481	G	2.9	241.00	.66	5	29.12	0	13.03	C	BC	MI	120	CFGVY	.37
DE LAND	64	18,000	G	8.0	1203.83	3.30	4	135.92	2	75.31	CTVX	BCS	MI	183	ACDPXY	1.40
DELRAY BCH	50	31,000	G	12.0	3521.36	9.64	7	389.21	2	244.28	ACFS	BC	MS	311	ACO	3.58
DELTONA	64	12,000	G	8.5	663.60	1.82	4	91.14	2	33.73	C	B	M	151	ACSUXY	.46
DUNEDIN	52	30,000	G	6.3	1291.30	3.53	5	151.90	2	83.80	C	BC	MA	118	ACEUX	2.80
EDGEWATER	64	4,219	G	.6	146.00	.43	4	15.10	2	10.80	ACV	BCP	XSS	95		.22

a Supplied by Orange County, includes water supplied to Rio Pinar.

b Period of record: October 1976-September 1977.

c Industrial waste.

d Also A, C, D, E, and H.

e Also serves Ocean Ridge and Briny Breezes.

f Does not include 372,278 Mgal purchased from Manatee County.

g Treated by Hillsborough County Utilities Department.

h Highest and lowest of "nine systems".

i Supplied by Bay county Water System.

j Includes 3 Mgal/d from desalination plant.

k Includes 5.74 Mgal/d purchased from Pinellas County Water System.

l Also September.

Table 2.-- WATER USE BY SELECTED MUNICIPALITIES IN FLORIDA, 1977 --Continued

MUNICIPALITY	CO.	POPULATION SERVED	S	RATED PLANT CAP.	PUMPAGE (MGY)	PUMPAGE (MGD)	MNTH HIGH PUMP	PUMP HIGH MNTH	MNTH LOW PUMP	PUMP LOW MNTH	WATER TREATMENT	TYPE ANALYSIS	FREQ ANALYSIS	PER CAP USE	SEWAGE TREATMENT	SEWAGE DISCH (MGD)
hh MARGATE	06	35,300	G	10.0	2165.30	5.93	3	215.30	9	146.60	CFLYX	BC	WA	168	CFG OXY	3.80
MARIANNA	32	7,100	G	3.8	385.01	1.05	7	39.25	2	26.13	C	BC	MA	148	XFY	.62
MAYO	34	950	G	.8	62.32	0.17	4	6.46	0	2.69	ACT	B	M	180	NT	.00
MELBOURNE	05	91,000	S	12.0	3940.40	10.80	5	382.60	2	281.40	CJMZ	BC	WD	118	ACHQXY	4.00
MIAMI	13ii	345,000	G	230.0	74382.00	204.00	3	6679.80	2	5634.40	FILQ TZ	B	WDI	169	SACDGY	61.90
MILTON	57	8,958	G	3.5	410.31	1.12	0	37.88	2	28.51	CT	B	MAA	125	CDV VXY	1.24
MIRAMAR	06	33,000	G	6.3	922.09	2.53	0	82.08	2	66.87	CGFV	BC	WA	77	ACUPXY	2.62
MONTICELLO	33	2,952	G	2.1	210.03	.57	5	23.55	3	12.85	C	BC	MA	193	CXY	.26
MOORE HAVEN	22	1,200	G	.6	80.92	.22	1	7.35	7	5.01	ACJHTP	BC	MI	183	NT	.00
MT DORA	35	6,200	G	10.0	694.73	1.90	5	95.84	1	38.87	AC	B	MI	306	CDSXY	.34
NAPLES	11	45,192	G	23.0	jj3 927.91	10.76	4	432.14	9	206.15	FJMVZ	B	WQ	238	ACJPQY	4.28
NEPTUNE BCH	16	5,000	G	2.5	336.82	.92	7	36.09	2	19.80	C	B	A	184	I	.51
NEW PT RICHEY	51	18,500	G	4.8	kk 867.76	2.37	5	102.00	1	56.38	AC	BC	MM	128	FXY	1.42
NEW SMYRNA B	64	13,500	G	3.0	971.98	2.66	4	108.28	0	58.20	ACFV	BC	MD	197	CEGQXY	1.30
NICEVILLE	46	6,540	G	1.9	419.40	1.15	7	49.59	2	20.00	C	B	M	176	CFVXY	1.64
ll N FORT MYERS	36	5,300	G	.7	183.84	.50	0	21.00	1	8.80	ACJSGT	BC	WD	95	CASDV	.01
NO LAUDERDALE	06	12,800	G	10.8	600.00	1.50	0	66.60	2	37.30	C	B	WD	117	I	1.60
NORTH MIAMI	13	65,000	G	10.0	2632.80	mm 7.23	4	215.29	9	183.90	AGJZ	B	WD	111	X	31.09
NO MIAMI BCH	13	165,000	G	29.6	9696.90	26.64	N/R	N/R	N/R	N/R	ACGRSV	B	MDA	161	nn N	.00
NO PALM BCH	50	22,700	G	29.0	1743.00	4.77	7	174.00	0	113.00	ACFGS	BC	MS	210	Y	1.90
pp N PT CHARLOT	58	12,624	S	4.4	462.37	oo 1.26	4	84.98	8	15.75	CFGHVX	B	M	100	VP	.47
OKLAHOMA PARK	06	29,000	G	3.0	1110.30	3.05	8	N/R	0	N/R	C	B	M	105	ACEJXY	4.14
OKALA	42	31,000	G	6.0	1862.96	5.10	5	226.18	2	118.22	CFGPTV	BC	WT	164	ACHPUY	2.66
OKEE	48	5,600	G	9.0	308.51	.85	5	47.86	1	15.42	AC	BC	WT	152	NT	.00
OKALOOSA CO	46	20,872	G	4.8	1296.52	3.55	7	148.16	2	75.70	C	B	M	220	U	2.50
okeechobee	47	8,225	S	2.8	490.12	1.34	5	44.83	1	35.29	ACFM	BC	MD	163	ACEGUY	.12
OPA-LOCKA	13	16,000	G	2.5	1110.90	3.05	8	117.70	2	55.20	ACFOTH	BC	WA	190	C	qq .00
ORANGE PARK	10	9,100	G	2.5	390.63	1.07	5	49.51	2	24.81	C	BC	MS	118	S	.69
ORLANDO	48	196,000	G	105.0	16053.00	44.08	5	1765.00	2	1045.00	AZ	B	WAA	224	H	19.43
ORMOND BCH	64	25,668	G	3.0	1220.00	3.34	7	122.52	0	84.23	ACFGUV	B	MS	140	ACFGJU	2.00
PACE	57	7,572	G	2.0	285.30	.78	6	34.67	2	15.41	C	B	M	103	NT	.00
PAHOKEE	50	9,000	G	1.9	294.00	.81	0	30.00	9	22.00	ACFGHS	BC	MS	90	DPY	1.10
PALATKA	54	10,000	G	3.8	925.70	2.54	7	93.10	0	57.20	ACFTU	BC	MD	254	U	1.30
PALM BEACH	50	10,030	S	5.0	1872.40	5.12	N/R	N/R	N/R	N/R	C	B	MD	254	CO	3.49
PALM BCH GDN	50	ss17,600	G	4.0	1026.00	2.80	4	123.00	0	57.00	ACFGS	BC	MS	159	DY	1.20
uu PALM SPRINGS	50	13,100	G	4.0	624.96	1.71	3	81.71	9	60.91	CFV	BC	MS	130	I	tt 1.36
PALMETTO	41	8,500	G	2.0	191.77	.53	5	20.06	2	13.90	V	B	M	62	CY	8.25
vv PANAMA CITY	03	32,000	G	5.2	2285.50	6.26	6	257.72	3	134.46	AC	B	MS	196	FXY	3.80
PANAMA CITY BCH	03	8,210	X	10.5	851.63	2.33	7	129.41	0	35.19	AC	B	MS	284	UY	.75
PEMBROKE PNS	06	39,300	G	10.5	1315.87	3.60	ww3	100.21	8	73.25	C	B	MS	92	xx ACEJGY	.00
PENSACOLA	17	140,360	G	55.0	9097.30	24.92	5	1090.53	2	548.04	CX	BC	DW	177	AFSXY	10.69
PERRY	62	7,250	G	4.3	550.79	1.51	5	62.53	0	34.77	ACF	BC	MD	208	CF	.60
PINE ISLAND	36	5,000	G	1.7	146.29	.40	4	17.96	8	7.43	ACFGVK	BC	MD	187	NT	.00
PIN CO WTR S	52	345,000	G	55.0	15454.21	42.34	5	1655.49	2	1034.88	ACT	BC	MD	123	L	16.19
yy PINELLAS PK	52	29,320	G	2.76	1008.61	N/R	N/R	N/R	N/R	N/R	ACU	B	M	94	L	.00
PLANTATION	06	35,000	G	7.0	1800.00	4.93	0	172.00	9	130.00	ACFUV	BC	WA	178	ACUJPS	3.25
PLANT CITY	29	18,000	G	5.6	743.92	2.03	zz5	83.34	2	49.59	CT	BC	WA	113	AS	3.00
POMPANO BCH	06	63,000	G	30.0	712.66	18.39	7	671.62	2	462.48	CF	BC	WA	292	aa	aaa .00
PORT CHARLOT	08	38,238	X	3.9	bb 753.23	2.06	3	74.76	9	50.33	CEGHJT	BC	WD	54	ADFP	2.50
PORT ORANGE	64	10,600	G	4.8	725.11	1.98	7	77.44	1	46.11	CHLJRX	BC	MH	186	AHJQU	2.00

hhSupplies 1.0 Mgal/d to Coconut Creek and Collier City.

iiMiami population served. Total population served 1,210,000.

jjIncludes 675 Mgal supplemental surface water supply during Jan., Feb., April and May.

kkIncludes 242.32 Mgal supplied to Port Richey, Lindrick Corp., Melodie Anne Acres, Lakewood Villas, and Uninvestors.

ll(Waterway Estates).

mmTotal pumpage East and West plants.

nnTo North Miami.

ooSupplied 0.0703 Mgal/d to Myakka Utilities, El Jobean Water Association.

ppSupplied by Ft. Lauderdale.

qqTo North Miami, not metered.

rrSupplied by West Palm Beach.

ssAlso supplies Lake Park.

ttTo City of Lake Worth sewage treatment plant.

uuSupplied by Manatee County Water System.

vvPartially supplied by Bay County Water System.

wwplant No.2. Plant No.1, August 28.646; January 11.385 Mgal.

xxTo Broward County Regional Waste Water Treatment Plant.

yySupplied by Pinellas County Water System.

zzPlant No.1. Gulfstream Utility Co. plant October 47.165; February 30.136 Mgal.

aaaTo North Regional Broward County Treatment Plant.

bbbIncludes 30.129 Mgal groundwater. Supplied 0.369 Mgal/d to Charlotte Harbor Water Assoc., Port Charlotte Village, and Maple Leaf Estates.

Table 2.-- WATER USE BY SELECTED MUNICIPALITIES IN FLORIDA, 1977 --Continued

MUNICIPALITY	CO.	POPULATION SERVED	S	RATED PLANT CAP.	PUMPAGE (MGY)	PUMPAGE (MGD)	MNTH HIGH PUMP	PUMP HIGH MNTH	MNTH LOW PUMP	PUMP LOW MNTH	WATER TREATMENT	TYPE ANALYSIS	FREQ ANALYSIS	PER CAP USE	SEWAGE TREATMENT	SEWAGE DISCH (MGD)
ENGLEWOOD EUSTIS	58	14,000	G	3.0	403.47	1.10	4	45.08	9	25.55	ACFV	C	D	80	NT	.00
FERNANDINA BC	35	10,812	G	7.0	407.71	1.12	5	84.03	2	5.69	AC	B	M	103	CEFSX	.97
FT LAUDEDALE	45	8,700	G	5.0	927.14	2.54	7	100.56	0	53.58	AC	B	M	306	X	.43
FT MYERS	36	226,430	G	60.0	18,848.02	46.15	3	2,684.47	9	830.92	CDFOX	BCS	DDI	204	ACUYXI	19.10
	06	38,000	X	8.3	2,217.70	6.08	3	218.40	1	167.20	ACJGUR	BC	WD	160	UFY	8.70
FT MYERS BCH	36	30,000	G	5.0	1039.83	2.85	4	105.50	6	73.93	ACGVT	BC	WD	95	A	.02
FT MYER SUBN	36	35,000	S	5.0	1,349.86	3.70	N	131.09	7	81.84	ACFGVT	BC	WM	106	AU	.08
FT PIERCE	56	35,000	G	10.0	2,196.01	6.01	4	220.13	0	150.81	CFGJUP	BC	DA	172	U	3.27
FT WALTN BCH	46	24,812	G	9.0	1,169.91	3.20	6	145.19	2	66.74	AC	BC	MA	129	FY	2.39
GAINESVILLE	01	80,000	G	30.0	3,571.30	15.20	5	590.80	0	388.00	CFURV	BC	HM	190	CDGGS	7.20
GRN CUE SPR	10	5,000	G	4.5	185.05	.50	7	18.67	2	11.31	AC	BC	MA	100	U	.40
GULF BREEZE	57	4,614	G	.7	249.32	.68	7	27.82	2	15.26	AC	B	M	147	A	.24
GULFPORT	52	12,000	G		.00	.00	N/R	N/R	N/R	N/R						.00
GULFSTREAM	50	5,986	G	7.0	471.32	1.29	0	47.16	2	30.16				216		.86
HAINES CITY	53	13,000	G	5.0	489.44	1.34	5	67.16	8	28.70	AC	BC	MI	103	AFDX	.64
HALLANDALE	06	50,000	G	7.7	1,892.00	5.18	3	183.64	9	129.47	CGVF	BC	WA	104	XVG	3.28
HILLSBORO BCH	06	16,000	G	4.0	280.13	.76	3	29.71	7	16.49				48	ACEJOY	.00
HILLSBORO CO	29	70,893	G													.00
HOLLY HILL	64	8,559	G	2.3	340.72	.93	7	35.12	9	23.00	AECHJM	BC	WD	108	ACEQSY	.90
HOLLYWOOD	06	100,000	G	20.0	5,792.29	15.87	3	525.25	9	429.53	CEHJO	BC	WA	159	XVG	25.04
HOMESTEAD	13	21,000	G	6.1	1,829.56	5.02	3	165.05	9	142.44	C	BC	WA	239	S	1.69
INVERNESS	09	2,900	G	1.5	146.30	.40	5	17.82	2	9.34	ACFGV	BC	MS	138	FY	.02
JACKSONVILLE	16	350,000	G	118.0	20,173.39	55.26	7	2,042.86	2	1405.67	AC	BC	MX	158	XYZPUS	143.18
JACKSONVILLE BC	16	18,770	G	5.0	845.69	2.31	7	94.99	2	49.31	AC	BCS	MAA	123	ASH	2.71
JASPER	24	3,200	G	1.0	202.36	.55	5	23.10	2	12.70	CFGV	B	M	172	XYSVC	.34
JUPITER	50	7,000	G	1.0	345.11	.84	7	35.95	8	23.45	V	BC	MS	134	Y	.28
KEY WEST	44	47,000	G	2.0	2164.57	5.95	12	190.24	0	181.51	ACFTUV	BC	DA	126		.00
KEY WEST	44		G	2.6	453.11	1.24	5	58.00	0	24.38	K	BC				.00
KISSIMMEE	49	11,848	G	13.5	909.00	2.50	5	95.40	2	65.90	AC	C	I	78	CY	1.85
LA BELLE	26	3,200	G	.3	90.54	.25	5	9.24	2	6.41	CFGY	BC	MD		UA	.06
LAKE BUTLER	63	6,250	G	.6	205.68	.56	5	20.34	0	13.97	C	G	I	90	D	.40
LAKE CITY	12	12,200	G	4.9	659.00	1.80	5	78.73	0	43.24	C	G	M	147	A	1.50
LAKELAND	53	84,000	G	42.0	6,384.57	17.49	5	819.31	0	399.42	AC	BC	WA	208	XYF	5.63
LAKE PLACID	28	1,400	X	.8	70.60	.19	4	7.86	0	4.50	CTY	BC	M	136	NT	.00
LAKE WALES	53	14,000	G	9.2	830.80	2.28	4	107.50	2	52.40	AC	BC	MI	163	F	.91
LAKE WORTH	50	34,200	G	20.0	1,769.53	4.85	3	195.85	0	102.49	CGSV	BC	MS	142	A	4.01
LANTANA	50	8,900	G	4.0	548.15	1.50	4	55.29	9	35.67	ACFS	BC	MS	168		aa.80
LARGO	52	54,900	G		.00	.00	N/R	N/R	N/R	N/R						7.07
LAUDEDALE LK	06	24,000	G	4.5	1,329.02	3.64	3	145.27	9	92.23	AEFMTZ	BCS	MDA	152	SCJXY	.00
LAUDERHILL	06	26,000	G	11.0	1,641.00	4.49	0	155.16	>	123.67	CFHJU	BC	MA	173	CDGSOX	5.16
LEE CO WTR S	36	35,000	S	5.0	1,349.86	3.70	N/R	N/R	N/R	N/R				289	CEQJSX	.00
LEESBURG	35	14,200	G	13.8	1,500.86	4.11	2	193.70	0	80.02	C	BC	MM	51	UP	1.82
LEHIGH ACRES	36	14,000	G	1.3	260.47	.71	4	24.71	8	18.45	ACFV	BC	MD	171	S	.68
LIVE OAK	61	6,000	G	2.0	374.00	1.02	5	40.73	N	25.54	ACF	BC	MM	171		.56
LONGWOOD	59	4,000	G	1.9	317.49	.87	5	39.11	2	18.82	AC	BCS	MAA	217	S	.07
LYNN HAVEN	03	4,982	G	2.3	268.44	.73	6	35.69	1	11.86	AC	BCS	MAA	146	CEHJPX	.76
MACLENNY	02	3,900	G	2.1	199.08	.54	5	20.10	2	12.82	C	BCS	MAA	138	P	.42
MADISON	40	4,000	G	2.7	295.88	.81	6	29.92	8	18.81	C	B	M	203	XYFVC	.55
MAITLAND	48	8,325	G	7.7	601.40	1.65	5	88.30	0	32.89	AC	B	M	198	PY	2.38
MANATEE CO W	41	55,000	S	27.5	6,891.88	18.88	5	727.75	9	460.70				343		4.98

mTotal pumpage, Five Ash and Dixie plants.

n6.42 Mgal/d supplied to other municipalities.

nFive Ash plant, Dixie plant, March 496.76; December, 350.37 Mgal/d.

oSupplied by Lee County Water System.

pSupplied by St. Petersburg.

qSupplied 15.98 Mgal to North Miami Beach.

rSewage treated by Hollywood.

sBroward County Regional Waste Water Treatment Plant.

tSupplies Brandon, River Oaks, Riverview, and Sun City Center.

Also includes Benjamin Road well field.

uIncludes sewage from Hallandale, Pembroke Park, Miramar, Dania, and Broward County.

vIncludes Florida Keys and Key West.

wStock Island desalination plant.

xPumpage, 1976, 926.8 Mgal.

yIncludes prisoners.

zSupplied 0.285 Mgal/d to Polk City and Highland City.

aaTo Lake Worth plant.

bbSupplied by Pinellas County Water System.

ccSupplied by Broward County Utilities Department.

ddTo Broward County Regional Waste Water Treatment Plant.

eeSee Ft. Myers Suburban.

ffIncludes 0.205 Mgal/d industrial; 2.386 Mgal/d commercial.

ggSupplies Longboat Key, Palmetto, Sarasota County, and partial supply to Bradenton (372.278 Mgal).

Table 2.-- WATER USE BY SELECTED MUNICIPALITIES IN FLORIDA, 1977 --Continued

MUNICIPALITY	CO.	POPULATION SERVED	S	RATED PLANT CAP.	PUMPAGE (MGY)	PUMPAGE (MGD)	MNTH HIGH PUMP	PUMP HIGH MTH	MNTH LOW PUMP	PUMP LOW MTH	WATER TREAT- MENT	TYPE ANAL- YSIS	FREQ ANAL- YSIS	PER CAP USE	SEWAGE TREAT- MENT	SEWAGE DISCH (MGD)
PORT ST JOE	23	3,538	S	1.2	265.82	.72	6	26.60	2	18.92	CGFHTV	BC	DD	ccc110	ATXY	ddd27.46
PUNTA GORDA	06	13,000	S	4.3	702.10	1.92	4	73.72	2	45.52	CGFHV	BC	WD	148	XY	1.00
QUINCY	20	7,700	S	2.5	540.57	1.48	5	58.74	2	35.65	CGFGH	BC	WA	192	CUXY	.61
RIVER DAKS	29	12,188	G	2.2	317.09	.87	5	36.07	2	18.35	AC	BC	WA	71	see CUVXYZ	.00
RIVERVIEW SD	29	13,005	G	3.9	1050.90	2.88	8	99.03	2	72.17	AC	BC	DD	221	NT	.00
RIVIERA BCH	50	30,000	G	14.0	2203.29	6.04	4	214.73	9	142.93	ACFGV	BC	XS	201	Y	fff27.70
ST AUGUSTINE	55	20,000	X	5.0	1013.12	2.77	7	94.50	2	73.42	CGFHV	BC	WD	138	SY	2.85
ST CLOUD	49	6,345	G	10.0	459.49	1.25	4	50.06	2	32.44	ACF	BC	MA	197	CDFXY	.76
ST PETERBURG	52	253,000	G	ggg44.0	4057.24	11.11	6	434.92	2	258.17	ACJGUT	BC	DD	143	SU	32.80
ST PETERBURG	52		G	.0	3467.10	hhh9.49	4	342.10	7	238.91	ACJGUT	BC	DD		SU	.00
ST PETERBURG	52		G		3649.12	iii15.48	5	601.21	2	392.64		BC	DD			.00
ST PETE BCH	52	10,580	G		.00	.00	N/R	N/R	N/R	N/R		BC	DD			.00
SANFORD	59	22,636	G	7.0	1549.48	4.23	5	162.58	2	106.32	ACU	BC	MM	187	SY	4.55
SANIBEL	36	6,000	G	1.8	496.41	1.36	3	58.43	9	28.90	AVXK	BC	IO	227	YS	.00
SARASOTA	58	60,000	G	12.7	2340.00	6.41	5	218.39	2	172.02	ACFY	BC	WA	107	CDF	7.80
SEBRING	28	14,000	G	13.1	.00	.00	N/R	N/R	N/R	4/R	ACH	BC	MM	173	ACUPXY	.00
SPRINGFIELD	03	7,514	S		162.64	.45	7	19.33	0	9.47		BC	MM	60	NT	.00
STARKE	04	4,500	G	3.0	328.56	.90	7	30.28	2	24.15	CTV	B	M	200	CSUVY	.66
STUART	43	10,000	G	5.0	996.17	2.73	4	109.99	9	60.81	CFGY	BC	MS	273	AY	.95
SUN CITY CTR	29	6,200	G	3.7	502.51	1.38	5	65.59	9	25.20	AC	BC	MS	223	ACDEUP	.57
SUNRISE	06	26,000	G	13.5	1639.65	4.49	3	11134.28	9	95.87	CFVXL	BC	MA	173	ACGXY	3.49
TALLAHASSEE	37	84,580	S	40.4	2589.86	15.31	5	560.76	2	373.41	C	BC	DA	181	CFSVXY	11.11
TAMPA	29	419,500	S	96.0	20674.00	56.64	4	1971.00	2	1374.00	CEFHMT	BC	DD	135	XYC	46.00
TARPON SPRS	36	15,000	G		635.46	mm1.74	2	nnn6.90	6	.60	C	BC	MI		XY	1.08
TAVARES	35	4,000	G	2.3	252.20	.69	5	32.10	8	15.30	C	BCP	MIQ	172	ACTUXY	.32
TEMPLE TERR	29	11,326	G	9.9	573.60	1.57	5	67.20	2	35.80	AC	BC	WS	139	ooo	1.10
THE FLORIDA	50	3,000	G	3.0	565.76	1.50	4	58.02	2	36.32	ACF	BC	MS	300	Y	.27
TIUSVILLE	05	33,100	G	16.0	1317.33	3.61	4	142.77	0	90.27	CV	BC	WH	109	SY	2.36
TRENTON	21	1,200	G	.9	183.20	.50	4	27.20	0	9.50	C	BC	MI	409	P	.07
VALPARAISO	46	3,567	G	2.5	218.16	.59	5	38.10	0	11.34	C	B	M	168	CFVXY	.23
VENICE	58	17,000	G	4.0	755.61	2.07	3	84.27	8	50.85	ACFHX	BCS	DWA	122	OY	1.40
VERO BEACH	31	15,500	G	6.0	1939.46	5.31	7	213.36	2	123.31	CFHIX	BC	WA	342	AS	1.56
WARRINGTON	17	22,202	G	4.0	1015.30	2.78	6	118.40	2	60.90	CT	BC	MA	125	VT	.00
WAUCHULA	25	4,000	G	4.4	267.62	.73	4	32.30	7	17.83	ACP	B	M	183	ggg	.55
WEAHTCHKA	23	1,296	G	1.1	31.54	.08	5	3.86	N	.54	C	BCS	AAA	62	ACZ	.07
WEST PALM BCH	50	79,950	S	36.0	7581.22	rrr20.77	7	753.97	2	517.40	CGFS	BC	DM	259	Y	8.70
WINTER GARDEN	48	7,500	G	1.5	510.00	1.40	5	50.00	N	19.00	AC	B	M	186	ZY	.75
WINTER HAVEN	53	45,000	G	9.5	1927.04	5.28	4	218.02	0	133.19	AC	BC	MI	117	sssSY	3.67
WINTER PARK	48	60,000	G	27.8	3865.83	10.60	5	429.02	2	238.00	AC	BC	DA	176	AFU	2.76

cccBased on pumpage for public supply.

dddIncludes 26.89 Mgal/d industrial waste.

eeeAlso A,D,E,F,G, and H.

fffTo West Palm Beach treatment plant since December 1977.

gggTotal capacity 4 well fields. Cypress Creek well field pumped 47.61 Mgal in 1977.

hhhSection 21 well field.

iiiSection 34 Pasco County well field.

jjjSupplied by Pinellas County Water System.

kkkSupplied by Bay County Water System.

lllplant No.1. Plant No.2, October, 29.55 Mgal; September, 15.72 Mgal.

mmmmIncludes 1.647 Mgal/d purchased from Pinellas County Water System.

nnnTarpon Springs pumpage only.

oooTreated by Tampa.

PPPSince July 1977 all water supplied by Tri-Southern Utilities.

Tequesta well fields discontinued- saltwater encroachment.

gggGriffin Oxinite process(Alum and polymer treatment).

rrrSupplies Palm Beach and South Palm Beach.

sssNew treatment plant in operation.

Table 3.--

PUBLIC SUPPLY WATER USE IN FLORIDA

BY COUNTIES, 1977

COUNTY	POPULATION (THSND)			POPULATION SERVED (THSND)			WATER WITHDRAWN (MGD)			PER CAP	WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)
	TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL		PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG	
ALACHUA	133.8	82.2	51.6	91.3	0.0	91.3	16.52	0.0	16.52	181	9.47	0.02	0.62	6.41	0.0	8.24
BAKER	12.7	3.8	8.9	4.1	0.0	4.1	0.56	0.0	0.56	137	0.48	0.0	0.0	0.08	0.0	0.13
BAY	95.4	66.9	28.5	12.8	66.3	79.1	2.91	36.05	38.96	493	9.30	0.0	26.76	2.90	0.0	13.91
BRADFORD	16.9	6.7	10.2	6.2	0.0	6.2	1.08	0.0	1.08	174	0.87	0.0	0.0	0.21	0.0	0.20
BREVARD	254.4	158.0	96.4	134.9	91.0	225.9	19.32	10.80	30.12	133	30.12	0.0	0.0	0.0	0.0	11.22
BROWARD	902.5	755.9	146.6	881.7	0.0	881.7	155.85	0.0	155.85	177	116.23	18.05	7.52	11.15	2.90	63.18
CALHOUN	8.8	3.1	5.7	3.1	0.0	3.1	0.32	0.0	0.32	103	0.21	0.0	0.0	0.11	0.0	0.07
CHARLOTTE	44.3	6.3	38.0	1.8	31.8	33.6	0.08	3.89	3.97	118	3.27	0.0	0.0	0.70	0.0	1.89
CITRUS	38.6	5.8	32.8	5.5	0.0	5.5	0.66	0.0	0.66	120	0.43	0.0	0.0	0.23	0.0	0.43
CLAY	50.3	13.4	36.9	31.8	0.0	31.8	4.99	0.0	4.99	157	4.91	0.0	0.0	0.05	0.02	0.88
COLLIER	68.9	18.0	50.9	60.4	0.0	60.4	14.12	0.0	14.12	234	11.32	2.47	0.11	0.11	0.11	6.88
COLUMBIA	29.4	10.6	18.8	12.6	0.0	12.6	1.84	0.0	1.84	146	1.05	0.0	0.18	0.52	0.09	0.31
DADE	61668.3	789.5	878.8	1629.9	0.0	1629.9	274.19	0.0	274.19	168	234.99	0.0	13.00	15.72	10.48	167.88
DE SOTO	18.0	6.0	12.0	7.0	0.0	7.0	0.74	0.0	0.74	106	0.67	0.0	0.04	0.03	0.0	0.0
DIXIE	7.0	2.6	4.4	3.4	0.0	3.4	0.48	0.0	0.48	141	0.42	0.0	0.0	0.06	0.0	0.29
DUVAL	573.2	573.2	-0.0	524.7	0.0	524.7	93.60	0.0	93.60	178	68.71	0.0	7.18	12.73	4.97	23.43
ESCAMBIA	229.5	68.6	160.9	187.7	0.0	187.7	30.48	0.0	30.48	162	23.81	0.07	1.25	5.35	0.0	15.44
FLAGLER	7.9	3.6	4.3	6.0	0.0	6.0	0.62	0.0	0.62	103	0.62	0.0	0.0	0.0	0.0	0.11
FRANKLIN	8.1	4.2	3.9	6.3	0.0	6.3	1.11	0.0	1.11	176	0.81	0.0	0.06	0.24	0.0	0.22
GADSDEN	37.3	18.1	19.2	9.4	7.7	17.1	1.03	1.48	2.56	150	2.26	0.0	0.0	0.30	0.0	1.32
GILCHRIST	5.7	1.7	4.0	1.5	0.0	1.5	0.53	0.0	0.53	353	0.36	0.07	0.0	0.10	0.0	0.44
GLADES	5.3	1.2	4.1	2.0	0.0	2.0	0.22	0.0	0.22	110	0.20	0.0	0.0	0.02	0.0	0.06
GULF	11.0	6.4	4.6	2.0	3.5	5.5	0.16	0.72	0.88	160	0.54	0.0	0.31	0.03	0.0	0.18
HAMILTON	8.7	3.5	5.2	4.9	0.0	4.9	0.81	0.0	0.81	165	0.70	0.0	0.01	0.10	0.0	0.26
HARDEE	17.4	6.1	11.3	6.9	0.0	6.9	1.02	0.0	1.02	148	0.87	0.0	0.01	0.14	0.0	0.24
HENDRY	16.2	7.1	9.1	2.5	8.5	11.0	0.25	1.30	1.55	141	1.10	0.0	0.45	0.0	0.0	0.99
HERNANDO	32.2	5.3	26.9	5.3	0.0	5.3	0.92	0.0	0.92	174	0.92	0.0	0.0	0.0	0.0	0.10
HIGHLANDS	41.1	16.4	24.7	24.4	0.0	24.4	3.73	0.0	3.73	153	3.50	0.0	0.06	0.17	0.0	2.23
HILLSBOROUGH	602.7	300.0	302.7	100.2	419.5	519.7	13.42	56.64	70.06	135	38.99	0.0	7.99	23.08	0.0	12.94
HOLMES	13.9	3.7	10.2	3.7	0.0	3.7	0.60	0.0	0.60	162	0.52	0.03	0.01	0.05	0.0	0.31
INDIAN RIVER	49.7	19.2	30.5	18.8	0.0	18.8	5.82	0.0	5.82	310	5.82	0.0	0.0	0.0	0.0	3.88
JACKSON	38.6	15.4	23.2	16.2	0.0	16.2	1.99	0.0	1.99	123	1.71	0.02	0.05	0.19	0.01	0.62
JEFFERSON	9.6	2.5	7.1	3.0	0.0	3.0	0.57	0.0	0.57	190	0.36	0.02	0.15	0.03	0.0	0.14
LAFAYETTE	3.8	0.8	3.0	0.9	0.0	0.9	0.17	0.0	0.17	189	0.14	0.0	0.0	0.03	0.0	0.04
LAKE	92.1	48.3	43.8	42.3	0.0	42.3	9.94	0.0	9.94	235	6.98	0.0	0.21	2.75	0.0	4.44
LEE	172.3	60.5	111.8	121.0	35.0	156.0	12.27	6.74	19.01	122	16.64	0.0	1.16	1.22	0.0	3.77
LEON	135.2	86.4	48.8	93.7	0.0	93.7	17.03	0.0	17.03	182	13.97	0.0	0.0	3.06	0.0	4.64
LEVY	15.9	7.1	8.8	7.5	0.0	7.5	1.05	0.0	1.05	140	1.02	0.0	0.0	0.03	0.0	0.23
LIBERTY	4.2	0.7	3.5	1.3	0.0	1.3	0.09	0.0	0.09	69	0.07	0.01	0.0	0.01	0.0	0.01
MADISON	14.3	5.0	9.3	6.4	0.0	6.4	1.09	0.0	1.09	170	0.75	0.0	0.29	0.05	0.0	0.32
MANATEE	129.3	47.1	82.2	0.0	83.0	83.0	0.0	22.36	22.36	269	14.14	0.0	7.87	0.35	0.0	14.77
MARION	101.1	35.9	65.2	38.0	0.0	38.0	6.08	0.0	6.08	160	3.49	0.0	1.31	1.28	0.0	1.59
MARTIN	50.3	10.8	39.5	23.8	0.0	23.8	5.51	0.0	5.51	232	5.51	0.0	0.0	0.0	0.0	2.44
MONROE	55.1	26.6	28.5	54.9	0.0	54.9	7.20	0.0	7.20	131	6.48	0.0	0.0	0.72	0.0	1.85
NASSAU	31.1	10.8	20.3	13.5	0.0	13.5	3.07	0.0	3.07	227	1.80	0.0	0.91	0.36	0.0	2.23
OKALOOSA	106.8	49.8	57.0	77.7	0.0	77.7	12.79	0.0	12.79	165	11.44	0.13	0.0	1.22	0.0	4.53
OKEECHOWEE	18.1	4.0	14.1	0.0	8.2	8.2	0.0	1.34	1.34	163	1.21	0.0	0.0	0.13	0.0	0.42
ORANGE	425.3	177.9	247.4	339.1	0.0	339.1	67.25	0.0	67.25	198	61.03	1.32	2.43	2.47	0.0	36.66

Table 3.-- PUBLIC SUPPLY WATER USE IN FLORIDA --Continued

BY COUNTIES, 1977

COUNTY	POPULATION (THSND'S)			POPULATION SERVED (THSND'S)				WATER WITHDRAWN (MGD)			PER CAP	WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)
	TOTAL	MUNIC	RURAL	GW	SW	ALL	WTR	GW	SW	TOTAL		PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG	
OSCEOLA	37.9	17.8	20.1	19.0	0.0	19.0		3.96	0.0	3.96	208	3.58	0.0	0.38	0.0	0.0	1.13
PALM BEACH	505.6	343.6	162.0	297.3	119.7	417.0		66.07	30.24	96.31	231	76.44	0.0	6.69	6.86	6.32	28.71
PASCO	142.3	20.7	121.6	26.8	0.0	26.8		3.57	0.0	3.57	133	3.45	0.0	0.0	0.12	0.0	1.49
PINELLAS	687.2	513.1	174.1	659.3	0.0	659.3		88.68	0.0	88.68	135	65.92	0.0	2.66	15.87	4.23	16.75
POLK	279.6	123.6	156.0	186.7	0.0	186.7		30.37	0.0	30.37	163	28.14	0.82	0.52	0.88	0.0	17.73
PUTNAM	44.7	12.9	31.8	14.9	0.0	14.9		3.14	0.0	3.14	211	3.14	0.0	0.0	0.0	0.0	1.51
ST JOHNS	42.8	14.2	28.6	21.2	0.0	21.2		2.89	0.0	2.89	136	2.70	0.0	0.19	0.0	0.0	0.04
ST LUCIE	73.6	38.3	35.3	42.5	0.0	42.5		6.65	0.0	6.65	156	6.23	0.0	0.12	0.30	0.0	2.87
SANTA ROSA	50.0	14.5	35.5	40.7	0.0	40.7		4.39	0.0	4.39	108	3.79	0.11	0.0	0.49	0.0	1.27
SARASOTA	170.6	68.0	102.6	91.0	12.6	103.6		9.58	1.26	10.84	105	7.38	0.64	0.30	2.32	0.21	2.70
SEMINOLE	142.2	73.2	69.0	64.5	0.0	64.5		12.55	0.0	12.55	195	11.33	0.0	0.25	0.97	0.0	5.75
SUMTER	21.6	6.2	15.4	7.3	0.0	7.3		0.92	0.0	0.92	126	0.86	0.0	0.0	0.06	0.0	0.13
SUWANNEE	20.3	7.9	12.4	7.7	0.0	7.7		1.23	0.0	1.23	160	0.93	0.03	0.01	0.26	0.0	0.51
TAYLOR	14.4	7.6	6.8	9.2	0.0	9.2		1.67	0.0	1.67	182	1.27	0.0	0.0	0.36	0.04	0.97
UNION	10.2	2.2	8.0	6.2	0.0	6.2		0.56	0.0	0.56	90	0.24	0.0	0.26	0.06	0.0	0.16
VOLUSIA	219.2	140.3	78.9	156.0	0.0	156.0		26.58	0.0	26.58	170	23.41	0.0	1.53	1.37	0.27	9.84
WAKULLA	9.1	0.7	8.4	4.9	0.0	4.9		0.36	0.0	0.36	73	0.36	0.0	0.0	0.00	0.0	0.06
WALTON	19.0	6.5	12.5	9.8	0.0	9.8		0.99	0.0	0.99	101	0.78	0.0	0.02	0.17	0.01	0.38
WASHINGTON	14.6	5.8	8.8	6.3	0.0	6.3		0.78	0.0	0.78	124	0.69	0.02	0.0	0.07	0.0	0.10
STATE TOTAL	8917.1	4973.8	3943.4	6303.3	886.8	7190.1		1059.06	172.82	1231.88	171	960.82	23.84	92.88	124.67	29.67	508.45

a Includes 16.0 Mgal/d imported from Orange County

b Includes an estimated 200,000 tourist in Dade County

c Does not include 5.96 Mgal/d exported to Monroe County

d Does not include 27.96 Mgal/d exported to Pinellas County

e Includes 5.96 Mgal/d imported from Dade County and 1.24 Mgal/d produced by the desalination plant at Stock Island, Florida

f Does not include 16.0 Mgal/d exported to Brevard County

g Does not include 18.1 Mgal/d exported to Pinellas County

h Includes 27.96 Mgal/d exported from Hillsborough County and 18.1 Mgal/d exported from Pasco County

generally sewage discharge must be estimated to compute the consumption. These estimates are based on knowledge obtained from similar systems serving about the same population and similar commercial users.

The amount of water consumed varies from place to place because of the type of waste discharged and the amount of the public supply that is used for commercial purposes. Some commercial processes consume almost 100 percent of water in products while others return almost all the water to the system for reuse.

Rural Supply

Rural supply, as used in this report, includes both domestic and livestock water use obtained from individual wells or points of surface-water diversion. The amount of water used by the rural community and by people within cities that supply their own water is small when compared to all other uses--it amounted to 257 Mgal/d, or less than 4 percent of the quantity of freshwater used statewide. The total rural water use declined 9 Mgal/d since 1975. The decline has been caused by the expansion of public utility systems making the services available to a larger number of people. This is evident when a comparison between the two periods, 1975 and 1977, reveals a decrease of 145,500 people that depend on self-supplied water. The domestic self-supplied water use and water used for livestock are shown in table 4.

Domestic Use

The rural domestic self-supplied population decreased from 1,872,500 in 1975 to 1,727,000 in 1977. This decrease reflects the expansion of public utility systems.

Rural domestic water use averaged 112 gal/d per person in 1977 compared to 108 Mgal/d in 1975, 120 gal/d in 1970, and 117 gal/d in 1965. The population served by rural supply (self-supplied) in 1977 for each county was determined to be the difference between the total population for the county and the population served by all public supply systems within the county. The rural domestic per capita water use ranged from about 150 gal/d in economically developed counties to less than 100 gal/d in the other counties. This rural water use per person tends to be greater in the more developed counties, especially in south Florida where lawn sprinkling is prevalent during the dry season. The majority of the rural population use septic tanks for their waste disposal, and the result is low consumptive use.

Table 4.--

RURAL WATER USE IN FLORIDA

BY COUNTIES, 1977

COUNTY	SELF-SUPPLIED COUNTY POPULATION (THSANDS)	DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)			
		WITHDRAWN		CONSUMED		WITHDRAWN		CONSUMED		WITHDRAWN		CONSUMED	
		SW	GW	ALL WATER		SW	GW	ALL WATER		SW	GW	ALL WATER	
ALACHUA	42.5	0.0	4.08	4.08	1.02	0.62	0.85	1.47	1.47	0.62	4.93	5.55	2.49
BAKER	8.6	0.0	0.86	0.86	0.21	0.72	0.52	1.24	1.24	0.72	1.38	2.10	1.45
BAV	16.3	0.0	1.76	1.76	0.44	0.01	0.02	0.03	0.03	0.01	1.78	1.79	0.47
BRAUFORD	10.7	0.0	1.28	1.28	0.26	0.04	0.74	0.78	0.78	0.04	2.02	2.06	1.04
BREVARO	28.5	0.0	2.84	2.84	0.71	0.32	0.53	0.91	0.91	0.38	3.37	3.75	1.62
BROWARD	20.8	0.0	3.12	3.12	0.92	0.44	0.09	0.53	0.53	0.44	3.21	3.65	1.45
CALHOUN	5.7	0.01	0.54	0.55	0.14	0.0	0.04	0.04	0.04	0.01	0.58	0.59	0.18
CHARLOTTE	10.7	0.0	1.23	1.23	0.31	0.0	0.38	0.38	0.38	0.0	1.61	1.61	0.69
CITRUS	33.1	0.0	3.60	3.60	0.90	0.0	0.11	0.11	0.11	0.0	3.71	3.71	1.01
CLAY	18.5	0.0	1.90	1.90	0.47	1.34	1.34	2.68	2.68	1.34	3.24	4.58	3.15
COLLIER	8.5	0.45	0.61	1.06	0.16	0.0	0.31	0.31	0.31	0.45	0.92	1.37	0.47
COLUMBIA	16.8	0.0	1.73	1.73	0.43	0.10	0.43	0.53	0.53	0.10	2.16	2.26	0.96
DADF	38.4	0.0	3.98	3.98	2.95	0.0	0.15	0.15	0.15	0.0	4.13	4.13	3.10
DESOTO	11.0	0.0	1.12	1.12	0.28	0.0	1.04	1.04	1.04	0.0	2.16	2.16	1.32
DIXIE	3.6	0.0	0.36	0.36	0.07	0.06	0.06	0.12	0.12	0.06	0.42	0.48	0.19
DUVAL	48.5	0.0	6.45	6.45	1.62	2.05	0.51	2.56	2.56	2.05	6.96	9.01	4.18
ESCAMBIA	41.8	0.0	4.18	4.18	0.92	0.04	0.15	0.19	0.19	0.04	4.33	4.37	1.11
FLAGLER	1.9	0.0	0.28	0.28	0.07	0.05	0.08	0.13	0.13	0.05	0.36	0.41	0.20
FRANKLIN	1.4	0.0	0.20	0.20	0.05	0.01	0.01	0.02	0.02	0.01	0.21	0.22	0.07
GADSDEN	20.2	0.10	2.08	2.18	0.52	0.25	0.07	0.32	0.32	0.35	2.15	2.50	0.84
GILCHRIST	4.2	0.0	0.43	0.43	0.11	0.21	0.40	0.61	0.61	0.21	0.83	1.04	0.72
GLADES	3.3	0.0	0.42	0.42	0.11	1.14	0.13	1.27	1.27	1.14	0.55	1.69	1.38
GULF	5.5	0.0	0.56	0.56	0.14	0.04	0.02	0.06	0.06	0.04	0.58	0.62	0.20
HAMILTON	3.8	0.0	0.38	0.38	0.10	0.10	0.15	0.25	0.25	0.10	0.53	0.63	0.35
HARDEE	10.5	0.0	1.05	1.05	0.26	0.0	1.18	1.18	1.18	0.0	2.23	2.23	1.44
HENDRY	5.2	0.0	0.62	0.62	0.09	0.90	3.96	4.86	4.86	0.90	4.58	5.48	4.95
HERNANDO	26.9	0.0	2.69	2.69	0.67	0.05	0.39	0.44	0.44	0.05	3.08	3.13	1.11
HIGHLANDS	16.7	0.0	1.66	1.66	0.41	0.0	1.98	1.98	1.98	0.0	3.64	3.64	2.39
HILLSBOROUGH	83.0	0.0	8.73	8.73	1.96	0.0	4.39	4.39	4.39	0.0	13.12	13.12	6.35
HOLMES	10.2	0.0	1.16	1.16	0.29	0.25	0.28	0.53	0.53	0.25	1.44	1.69	0.82
INDIAN RIVER	30.9	0.0	3.12	3.12	0.78	0.54	0.06	0.60	0.60	0.54	3.18	3.72	1.38
JACKSON	22.4	0.0	2.59	2.59	0.65	0.33	0.13	0.46	0.46	0.33	2.72	3.05	1.11
JEFFERSON	6.6	0.0	0.65	0.65	0.12	0.08	0.37	0.45	0.45	0.08	1.02	1.10	0.57
LAFAYETTE	2.9	0.0	0.29	0.29	0.07	0.02	1.20	1.22	1.22	0.02	1.49	1.51	1.29
LAKE	49.8	0.0	5.89	5.89	1.47	0.24	0.24	0.48	0.48	0.24	6.13	6.37	1.95
LEE	16.3	0.0	2.44	2.44	0.35	0.04	0.35	0.39	0.39	0.04	2.79	2.83	0.74
LEON	41.5	0.0	4.30	4.30	1.08	0.14	0.06	0.20	0.20	0.14	4.36	4.50	1.28
LEVY	8.4	0.0	0.86	0.86	0.21	0.44	0.36	0.85	0.85	0.49	1.22	1.71	1.06
LIBERTY	2.9	0.0	0.29	0.29	0.07	0.03	0.01	0.04	0.04	0.03	0.30	0.33	0.11
MADISON	7.9	0.0	0.83	0.83	0.21	0.10	0.58	0.68	0.68	0.10	1.41	1.51	0.89
MANATEE	46.3	0.0	4.68	4.68	1.17	0.20	1.80	2.00	2.00	0.20	6.48	6.68	3.17
MARION	63.1	0.0	7.47	7.47	1.87	0.0	1.90	1.90	1.90	0.0	9.37	9.37	3.77
MARTIN	26.5	0.0	2.66	2.66	0.66	0.10	0.55	0.65	0.65	0.10	3.21	3.31	1.31
MONROE	0.2	0.0	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.02	0.01
NASSAU	17.6	0.0	2.36	2.36	0.50	1.44	1.44	2.88	2.88	1.44	3.80	5.24	3.38
OKALOOSA	29.1	0.0	3.15	3.15	0.79	0.12	0.03	0.15	0.15	0.12	3.18	3.30	0.94
OKFCHOREE	9.9	0.0	1.40	1.40	0.25	2.60	4.00	6.60	6.60	2.60	5.40	8.00	6.85
ORANGE	86.2	0.0	8.62	8.62	2.15	0.07	0.59	0.66	0.66	0.07	9.21	9.28	2.81

Table 4.-- R U R A L W A T E R U S E I N F L O R I D A --Continued

BY COUNTIES, 1977

COUNTY	SELF-SUPPLIED COUNTY POPULATION (THSND)	DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)			
		WITHDRAWN		CONSUMED		WITHDRAWN		CONSUMED		WITHDRAWN		CONSUMED	
		SW	GW	ALL	WATER	SW	GW	ALL	WATER	SW	GW	ALL	WATER
OSCEOLA	18.9	0.0	3.97	3.97	0.83	1.81	0.0	1.81	1.81	1.81	3.97	5.78	2.64
PALM BEACH	88.6	0.45	13.36	13.81	3.33	0.95	1.21	2.16	2.16	1.40	14.57	15.97	5.49
PASCO	115.5	0.0	11.55	11.55	2.89	0.0	1.80	1.80	1.80	0.0	13.35	13.35	4.69
PINELLAS	27.9	0.0	2.91	2.91	1.61	0.02	0.54	0.56	0.56	0.02	3.45	3.47	2.17
POLK	92.9	0.0	9.30	9.30	2.33	0.11	2.04	2.15	2.15	0.11	11.34	11.45	4.48
PUTNAM	29.8	0.0	3.03	3.03	0.76	0.29	0.29	0.58	0.58	0.29	3.32	3.61	1.34
ST. JOHNS	21.6	0.0	2.67	2.67	0.67	0.05	0.19	0.24	0.24	0.05	2.86	2.91	0.91
ST. LUCIE	31.1	0.0	4.64	4.64	1.16	0.18	0.90	1.08	1.08	0.18	5.54	5.72	2.24
SANTA ROSA	9.3	0.0	1.18	1.18	0.30	0.08	0.06	0.14	0.14	0.08	1.24	1.32	0.44
SARASOTA	67.0	0.0	6.70	6.70	1.68	0.19	0.28	0.47	0.47	0.19	6.98	7.17	2.15
SEMINOLE	77.7	0.0	8.63	8.63	2.16	0.0	0.23	0.23	0.23	0.0	8.86	8.86	2.39
SUMTER	14.3	0.0	1.45	1.45	0.37	0.0	0.74	0.74	0.74	0.0	2.19	2.19	1.11
SUWANNEE	12.6	0.0	1.29	1.29	0.32	0.01	1.27	1.28	1.28	0.01	2.56	2.57	1.60
TAYLOR	5.2	0.0	0.53	0.53	0.13	0.14	0.13	0.27	0.27	0.14	0.66	0.80	0.40
UNION	4.0	0.0	0.40	0.40	0.10	0.05	0.10	0.15	0.15	0.05	0.50	0.55	0.25
VOLUSIA	63.2	0.0	6.35	6.35	2.03	0.70	0.08	0.78	0.78	0.70	6.43	7.13	2.81
WAKULLA	4.2	0.0	0.45	0.45	0.11	0.03	0.02	0.05	0.05	0.03	0.47	0.50	0.16
WALTON	9.2	0.0	0.95	0.95	0.24	0.10	0.07	0.17	0.17	0.10	1.02	1.12	0.41
WASHINGTON	8.3	0.0	0.93	0.93	0.24	0.02	0.07	0.09	0.09	0.02	1.00	1.02	0.33
STATE TOTAL	1727.0	1.01	191.81	192.82	50.26	20.07	44.00	64.07	64.07	21.08	235.81	256.89	114.33

Livestock

Water used for livestock was estimated on the basis of a fixed amount of water use per capita for each kind of animal. For example drinking water was estimated at, 15 gal/d for cattle and 0.04 gal/d for chickens. Also wash water was estimated to be 130 gal/d for each dairy cow in production. All the water used for livestock 64.07 Mgal/d was considered consumed. A 2 percent increase in water use of 1.5 Mgal/d reflects a slight increase in the total number of head of cattle from 1975 to 1977.

Industrial Self-Supplied

Source and Reliability of Data

Table 5 includes only those industries that supply their own water. The table does not include 247 Mgal/d sold to industry from public supplies. This amount of purchased water indicates an increase of public supplied water by 50 Mgal/d over that supplied in 1975. The water-use data was obtained by a plant-to-plant canvas of industries which supply their own water. These records were considered reasonably reliable. Water used by some of the industries that did not keep water use records was estimated by comparing similar industries which kept records.

Water Withdrawn

In 1977, the total quantity of self-supplied freshwater withdrawn by industries was 922 Mgal/d, a decrease of about 18 Mgal/d since 1975. But in 1977, industries purchased an additional 247 Mgal/d from public supplies which was an increase of 49 Mgal/d since 1975. The total freshwater used by industry from purchased and self-supplied water in 1977 was 1,169 Mgal/d which exceeded the total freshwater used by industry in 1975 by 31 Mgal/d.

Irrigation

Source and Reliability of Data

Estimates of water used for irrigation of crops during 1977 for each county 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 from local (county) and

Table 5.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA
BY COUNTIES, 1977

COUNTY	WATER WITHDRAWN (MGD)						WATER CON- SUMED	FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
	GROUND FRESH	WATER SALINE	SURFACE FRESH	WATER SALINE	ALL FRESH	WATER SALINE		LM RK MINING	PULP & PAPER	CHEM PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
ALACHUA	7.18	0.0	0.0	0.0	7.18	0.0	3.78	0.0	0.03	0.0	0.0	0.0	0.45	5.20	1.50
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	1.32	0.0	0.0	0.0	1.32	0.0	0.97	0.0	0.12	0.72	0.0	0.0	0.21	0.0	0.27
BRADFORD	3.37	0.0	0.0	0.0	3.37	0.0	2.83	0.0	0.0	2.00	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	2.98	0.0	1.00	0.0	3.98	0.0	1.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.98
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	4.69	0.0	4.30	0.0	8.99	0.0	2.16	0.0	0.0	8.80	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	0.31	0.0	0.0	0.0	0.31	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31
DADE	6.73	0.0	0.0	0.0	6.73	0.0	4.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.73
DE SOTO	1.10	0.0	0.0	0.0	1.10	0.0	0.11	0.0	0.0	0.0	0.0	0.74	0.11	0.0	0.25
DIXIE	0.48	0.0	4.30	0.0	4.78	0.0	0.17	0.0	0.0	4.57	0.0	0.0	0.0	0.0	0.21
DUVAL	48.23	0.0	14.14	0.0	62.37	0.0	8.88	0.0	20.38	1.76	0.0	0.0	0.45	14.09	25.69
ESCAMBIA	47.36	1.60	25.60	0.24	72.96	1.84	21.96	0.0	24.86	39.66	0.0	0.0	0.0	0.24	10.04
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	1.95	0.0	2.04	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.06	1.98
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	0.66	0.0	21.60	0.0	22.26	0.0	2.82	0.0	0.0	0.0	0.0	0.0	22.26	0.0	0.0
GULF	0.52	0.0	33.20	13.00	33.72	13.00	7.11	0.0	31.70	15.00	0.0	0.0	0.0	0.0	0.02
HAMILTON	28.80	0.0	0.0	0.0	28.80	0.0	4.40	0.0	0.0	2.50	26.30	0.0	0.0	0.0	0.0
HARDEE	9.94	0.0	0.0	0.0	9.94	0.0	2.51	0.0	0.0	0.0	9.29	0.0	0.64	0.0	0.01
HENRY	0.25	0.0	0.71	0.0	0.96	0.0	0.35	0.0	0.0	0.0	0.0	0.25	0.71	0.0	0.0
HERNANDO	33.76	0.0	0.0	0.0	33.76	0.0	8.53	23.40	0.0	0.0	0.0	0.0	0.17	0.0	10.16
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	26.76	56.65	7.40	0.0	34.16	56.65	10.80	0.0	0.0	16.87	11.52	0.10	4.35	0.34	57.63
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	0.49	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	30.60	0.0	0.0	0.0	30.60	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	29.38	1.22
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	0.11	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	3.35	0.0	0.0	0.0	3.35	0.0	0.47	0.0	0.0	0.0	0.31	1.51	0.88	0.61	0.04
MARTIN	0.31	0.0	0.0	0.0	0.31	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31
MARTIN	0.10	0.0	0.0	0.0	0.10	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	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	58.11	0.0	0.0	2.00	58.11	2.00	53.19	0.0	57.82	0.0	0.0	0.0	0.29	2.00	0.0
OKALOOSA	5.45	0.0	0.0	0.0	5.45	0.0	1.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.45
OKEECHOWEE	0.0	0.0	0.0	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 5.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA --Continued

BY COUNTIES, 1977

COUNTY	WATER WITHDRAWN (MGD)							FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
	GROUND FRESH	WATER SALINE	SURFACE FRESH	WATER SALINE	ALL FRESH	WATER SALINE	CON SUMED	LM RK MINING	PULPA PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
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	2.18	0.0	45.43	0.0	47.61	0.0	12.52	0.0	0.0	1.25	0.0	0.0	44.86	0.0	1.50
PASCO	13.19	0.0	0.0	0.0	13.19	0.0	6.45	0.0	0.0	0.0	0.0	12.30	0.73	0.0	0.16
PINELLAS	1.28	0.0	0.0	0.0	1.28	0.0	0.56	0.0	0.0	0.16	0.0	0.39	0.24	0.0	0.49
POLK	233.43	0.0	0.0	0.0	233.43	0.0	72.52	0.0	0.0	73.91	133.80	16.90	8.57	0.0	0.25
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	18.99	0.0	0.0	0.0	18.99	0.0	15.92	0.0	0.0	8.36	0.0	0.0	0.0	0.64	9.99
SARASOTA	2.92	0.0	0.0	0.0	2.92	0.0	0.59	0.0	0.0	0.0	0.0	0.02	0.13	1.80	0.97
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	1.98	0.0	0.0	0.0	1.98	0.0	0.14	1.03	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	0.78	0.0	0.0	0.0	0.78	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78
WALTON	0.80	0.0	0.0	0.0	0.80	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.80	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	733.06	54.25	189.23	15.24	922.28	73.49	244.65	49.49	225.41	175.85	181.22	59.91	90.60	55.27	158.01

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

state representatives of agricultural agencies, and from grove owners and farmers (oral and written commun., 1978). The county agricultural agent, the County Soil Conservation Service (SCS) Director, or the County Agricultural Stabilization, and Conservation Service (ASCS) Director were interviewed to obtain estimates of irrigation acreage and amounts of water applied for each type of irrigated crop in the county (table 6).

Water Withdrawn

Water used for irrigation in 1977 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 by the estimated number of irrigation applications during the 1977 growing season, and by the depth in inches for each application. The results were then converted to acre-feet for the year and to Mgal/d (table 6).

The total acres irrigated, by crop type, by counties, and the State total for 1977 are shown in table 7. This table indicates that 1.93 million acres were irrigated in 1977; 89 thousand acres more than in 1975--an increase of approximately 5 percent. In 1977 more than 3.2 million acre-feet of water, or 2,873 Mgal/d, was used for irrigation. Because the amount of irrigation water applied varies depending on rainfall, the total acre-feet applied may differ greatly from year to year. For example, in 1977 there was a 5 percent increase in acreage, but almost the same amount of water was applied. In 1977, it was estimated that 18.7 inches of water were applied after conveyance losses of 1.3 inches per acre. In 1975, it was estimated the 19.3 inches were applied after conveyance losses of 1.6 inches per acre.

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 from power company officials or plant superintendents (oral and written commun., 1978). 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.

Table 6.-- IRRIGATION WATER USE IN FLORIDA

BY COUNTIES, 1977

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY	CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TORACCO	CORN	WATER- MELONS	OTHER	TOTAL
ALACHUA	100	2342	1686	0	545	3144	2158	3686	13661
BAKER	0	280	0	0	30	0	0	600	910
BAY	0	0	0	0	0	0	0	558	558
BRADFORD	0	245	105	0	0	60	0	174	584
BREVARD	10500	200	60000	0	0	0	0	200	70900
BROWARD	500	4200	0	0	0	0	0	4200	8900
CALHOUN	0	0	0	0	0	120	0	270	390
CHARLOTTE	4450	2915	3900	0	0	0	1900	400	13565
CITRUS	300	0	0	0	0	80	160	260	800
CLAY	0	140	300	0	0	0	0	0	440
COLLIER	7120	21300	5000	0	0	1420	3500	360	38700
COLUMBIA	0	80	0	0	488	930	245	412	2155
DADE	3600	32190	695	0	0	0	0	12350	48835
DESOTO	30000	3780	13500	0	0	250	3100	380	51010
DIXIE	0	0	0	0	85	100	613	45	843
DUVAL	0	0	40	0	0	0	0	2340	2380
ESCAMBIA	0	30	0	0	0	80	0	526	636
FLAGLER	0	4050	0	0	0	0	0	0	4050
FRANKLIN	0	0	0	0	0	0	0	0	0
GADSDEN	0	1300	0	0	250	1500	0	715	3765
GILCHRIST	0	59	280	0	210	591	530	479	2149
GLADES	2420	1370	28800	17850	0	0	0	0	50440
GULF	0	0	0	0	0	0	0	300	300
HAMILTON	0	30	125	0	1328	952	40	222	2697
HARDEE	28800	1400	15000	0	0	0	300	42	45542
HENDRY	30000	12000	88000	25300	0	0	0	0	155300
HERNANDO	3600	0	0	0	0	80	50	1600	5330
HIGHLANDS	38500	3300	110000	0	0	0	275	1540	153615
HILLSBOROUGH	23000	8800	4000	0	0	0	0	2737	38537
HOLMES	0	20	0	0	0	0	0	80	100
INDIAN RIVER	49647	0	20000	0	0	0	0	1700	71347
JACKSON	0	2000	1000	0	100	3500	800	8700	16100
JEFFERSON	0	88	235	0	42	0	206	446	1017
LAFAYETTE	0	74	579	0	703	1421	2370	909	6056
LAKE	73430	15833	9890	0	0	0	0	100	99253
LEE	8100	9500	25000	0	0	0	0	0	42600
LEON	0	0	0	0	0	185	0	216	401
LEVY	0	68	484	0	80	1610	400	1167	3809
LIBERTY	0	0	0	0	0	0	0	0	0
MADISON	0	21	60	0	728	1899	482	1924	5114
MANATEE	7000	10300	5000	0	0	0	600	1850	24750
MARION	6500	3000	0	0	13	400	990	4223	15126
MARTIN	43800	2750	5000	3000	0	0	0	1250	55800
MONROE	0	0	0	0	0	0	0	100	100
NASSAU	0	5	0	0	0	0	0	20	25
OKALOOSA	0	0	600	0	0	0	0	21	621
OKEECHOBEE	4620	880	44000	0	0	0	110	0	49610
ORANGE	27004	17500	1875	0	0	0	0	0	46379

Table 6.-- 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 --Continued

BY COUNTIES, 1977

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY	CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER- MELONS	OTHER	TOTAL
OSCEOLA	6988	200	2500	0	50	0	250	0	9988
PALM BEACH	12500	114000	56000	245000	0	0	0	7000	434500
PASCO	17000	800	3000	0	0	0	500	3750	25050
PINELLAS	1000	0	0	0	0	0	0	8380	9380
POLK	85000	1000	4000	0	0	0	400	2087	92487
PUTNAM	1167	5500	3500	0	0	1500	0	7500	19167
ST JOHNS	50	20100	200	0	0	1000	0	3100	24450
ST LUCIE	74200	1030	20120	0	0	0	200	800	96350
SANTA ROSA	0	0	20	0	0	830	0	2439	3289
SARASOTA	1500	3250	6600	0	0	0	350	2025	13725
SEMINOLE	5000	4000	2000	0	0	400	0	0	11400
SUMTER	500	2500	1000	0	15	100	2200	265	6580
SUWANNEE	0	454	1886	0	1911	4723	1314	2960	13248
TAYLOR	0	0	0	0	96	0	0	2	98
UNION	0	220	0	0	185	0	0	0	405
VOLUSIA	1000	400	0	0	0	0	0	2000	3400
WAKULLA	0	0	0	0	0	0	75	10	85
WALTON	0	100	0	0	0	0	0	11521	11621
WASHINGTON	0	0	0	100	0	0	0	0	100
STATE TOTAL	608896	315604	545980	291250	6859	26875	24118	110941	1930523

Table 7.-- 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

HY COUNTIES, 1977

COUNTY	ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR)					TOTAL WATER WITHDRAWN (MGD)				
		SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
ALACHUA	13661	1455	7636	9091	0	8470	1.30	6.82	8.12	0.0	7.56
BAKER	910	442	493	945	0	250	0.44	0.44	0.88	0.0	0.22
BAY	558	0	423	423	0	85	0.0	0.38	0.38	0.0	0.08
BRADFORD	584	69	140	259	0	259	0.06	0.17	0.23	0.0	0.23
BREVARD	70900	2637	43315	45952	340	14230	2.35	38.68	41.04	0.30	12.71
BROWARD	8900	67350	21780	89130	9100	18804	60.14	19.45	79.59	8.13	16.79
CALHOUN	390	1442	1355	2797	0	559	1.29	1.21	2.50	0.0	0.50
CHARLOTTE	13565	0	23405	23405	0	8835	0.0	20.90	20.90	0.0	7.89
CITRUS	800	413	1250	1663	0	1330	0.37	1.12	1.49	0.0	1.19
CLAY	440	30	582	612	0	0	0.03	0.52	0.55	0.0	0.0
COLLIER	38700	5400	81320	86720	16130	39100	4.82	72.62	77.44	14.40	34.92
COLUMBIA	2155	83	1219	1302	0	1302	0.07	1.09	1.16	0.0	1.16
DADE	48835	3310	113000	116310	0	42890	2.96	100.91	103.86	0.0	38.30
DESOIT	51010	2164	69500	71664	0	47933	1.93	62.06	64.00	0.0	42.80
DIXIE	843	230	269	499	0	499	0.21	0.24	0.45	0.0	0.45
DUVAL	2380	264	2017	2281	0	1133	0.24	1.80	2.04	0.0	1.01
FLORHAM	636	393	689	1082	0	216	0.35	0.62	0.97	0.0	0.19
FLAGLER	4050	0	38003	38003	0	0	0.0	33.94	33.94	0.0	0.0
FRANKLIN	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
GADSDEN	3765	4909	349	5258	0	1051	4.38	0.31	4.70	0.0	0.94
GILCHRIST	2149	332	1081	1413	0	1405	0.30	0.97	1.26	0.0	1.25
GLADES	50440	51260	13750	65010	6710	46090	45.78	12.28	58.05	5.99	41.16
GULF	300	0	250	250	0	100	0.0	0.22	0.22	0.0	0.09
HAMILTON	2697	335	1839	2174	0	2174	0.30	1.64	1.94	0.0	1.94
HARDEE	45542	0	62895	62895	0	43615	0.0	56.17	56.17	0.0	38.95
HENDRY	155300	228500	92500	321000	36000	120000	204.05	82.60	286.65	32.15	107.16
HERNANDO	5330	943	5300	6243	0	608	0.84	4.73	5.57	0.0	0.54
HIGHLANDS	153615	70950	107000	177950	4565	54800	63.36	95.55	158.91	4.08	48.94
HILLSBOROUGH	38537	2822	53630	56452	0	40800	2.52	47.89	50.41	0.0	36.43
HOLMES	100	27	0	27	0	5	0.02	0.0	0.02	0.0	0.00
INDIAN RIVER	71347	63140	21046	84186	4230	28000	56.38	18.79	75.18	7.35	25.00
JACKSON	16100	1540	4861	6401	0	1280	1.38	4.34	5.72	0.0	1.14
JEFFERSON	1017	66	427	493	0	225	0.06	0.38	0.44	0.0	0.20
LAFAYETTE	6056	108	2760	2868	0	2856	0.10	2.46	2.56	0.0	2.55
LAKE	99253	39924	119778	159702	1	19714	35.65	106.96	142.61	0.00	17.60
LEE	42600	25200	79500	104700	1200	47100	22.50	70.99	93.50	1.07	42.06
LEON	401	174	445	619	0	124	0.16	0.40	0.55	0.0	0.11
LEVY	3809	59	2171	2230	0	1838	0.05	1.94	1.99	0.0	1.64
LIBERTY	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
MADISON	5114	336	3167	3503	0	3503	0.30	2.83	3.13	0.0	3.13
MANATEE	24750	2415	45893	48308	0	5280	2.16	40.98	43.14	0.0	4.72
MARION	15126	1030	19569	20599	0	15445	0.92	17.48	18.39	0.0	13.79
MARTIN	55800	91000	9200	100200	11200	46000	81.26	8.22	89.48	10.00	41.08
MONROE	100	0	50	50	0	10	0.0	0.04	0.04	0.0	0.01
NASSAU	25	0	186	186	0	0	0.0	0.17	0.17	0.0	0.0
OKALOOSA	621	501	351	852	0	170	0.45	0.31	0.76	0.0	0.15
OKEECHOREE	49610	19360	82720	102080	2530	20240	17.29	73.87	91.16	2.26	18.07
ORANGE	46379	13125	55809	68934	1715	41335	11.72	49.84	61.56	1.53	36.91

Table 7.-- IRRIGATION WATER USE IN FLORIDA --Continued

BY COUNTIES, 1977

COUNTY	ACRES IRRIGATED	TOTAL WATER WITHDRAWN (AC-FT/YR)					TOTAL WATER WITHDRAWN (MGD)				
		SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
OSCEOLA	9988	453	3699	4152	142	2160	0.40	3.30	3.71	0.13	1.93
PALM BEACH	434500	528000	42460	570460	70000	368920	471.50	37.92	509.42	62.51	329.45
PASCO	25050	8183	32800	40983	0	25340	7.31	29.29	36.60	0.0	22.63
PINELLAS	9380	0	31440	31440	0	9310	0.0	28.08	28.08	0.0	8.31
POLK	92487	6200	100000	106200	0	101150	5.54	89.30	94.84	0.0	90.33
PUTNAM	19167	4948	19790	24738	0	4950	4.42	17.67	22.09	0.0	4.42
ST. JOHNS	24450	0	37396	37396	0	29900	0.0	33.39	33.39	0.0	26.70
ST. LUCIE	96350	361000	71300	432300	45600	80600	322.37	63.67	386.04	41.61	71.98
SANTA ROSA	3289	146	1675	1821	0	364	0.13	1.50	1.63	0.0	0.33
SARASOTA	13725	2787	25050	27837	0	23225	2.49	22.37	24.86	0.0	20.74
SEMINOLE	11400	751	14272	15023	240	10137	0.67	12.74	13.42	0.21	9.05
SUMTER	6580	190	3604	3794	0	2883	0.17	3.22	3.39	0.0	2.57
SUWANNEE	13248	414	7588	8002	0	8009	0.37	6.78	7.15	0.0	7.15
TAYLOR	98	26	40	66	0	66	0.02	0.04	0.06	0.0	0.06
UNION	405	84	180	264	0	264	0.08	0.16	0.24	0.0	0.24
VOLUSIA	3400	4847	5362	10209	0	7650	4.33	4.79	9.12	0.0	6.83
WAKULLA	85	25	40	65	0	13	0.02	0.04	0.06	0.0	0.01
WALTON	11621	1045	4126	5171	0	1034	0.93	3.68	4.62	0.0	0.92
WASHINGTON	100	67	0	67	13	0	0.06	0.0	0.06	0.01	0.0
STATE TOTAL	1930523	1622954	1593795	3216749	214716	1405638	1449.29	1423.25	2872.55	191.74	1255.23

Water Withdrawn

Most thermoelectric powerplants in Florida are on the coasts where large quantities of saline or brackish water can be withdrawn from bays or estuaries for once-through cooling with no recycling. Table 8 presents thermoelectric water used in Florida for 1977. There has been a steady increase in use of saline water for cooling as evidenced by the use of 14,738 Mgal/d used in 1977 as compared to 11,439 Mgal/d used in 1975, an increase of 3,299 Mgal/d. Cooling towers and cooling ponds have greatly reduced the quantity of freshwater needed for cooling by inland thermoelectric power generating plants. Only the make-up water, that is, water diverted from the source, is considered as water withdrawn. This reduction in make-up water withdrawn for cooling is evident by an increased power production from these plants and a decreased use of freshwater. In 1977, freshwater used was about 1,370 Mgal/d; while in 1975 the total freshwater used amounted to 1,699 Mgal/d--a reduction of 329 Mgal/d.

TRENDS IN WATER USE 1950-77

The total water used in Florida indicates that as population increases the demand for water also increases. The data in figure 2 (from Leach, 1978) and in table 9 were updated to show the data for 1977.

WATER USE BY WATER MANAGEMENT DISTRICTS

Figure 3 shows the locations of the five Water Management Districts. The tables (10 through 15) that follow show the amount of water used by the Water Management Districts for the following categories: public supply, rural, industrial self-supplied, acres irrigated, irrigation, and thermoelectric power generation.

WATER USE BY HYDROLOGIC UNITS

Figure 4 shows the locations of the eight major hydrologic units. The tables (16 through 21) that follow show the amount of water used by the hydrologic subregions for the following categories: public supply, rural, industrial, self-supplied, acres irrigated, irrigation, and thermoelectric power generation.

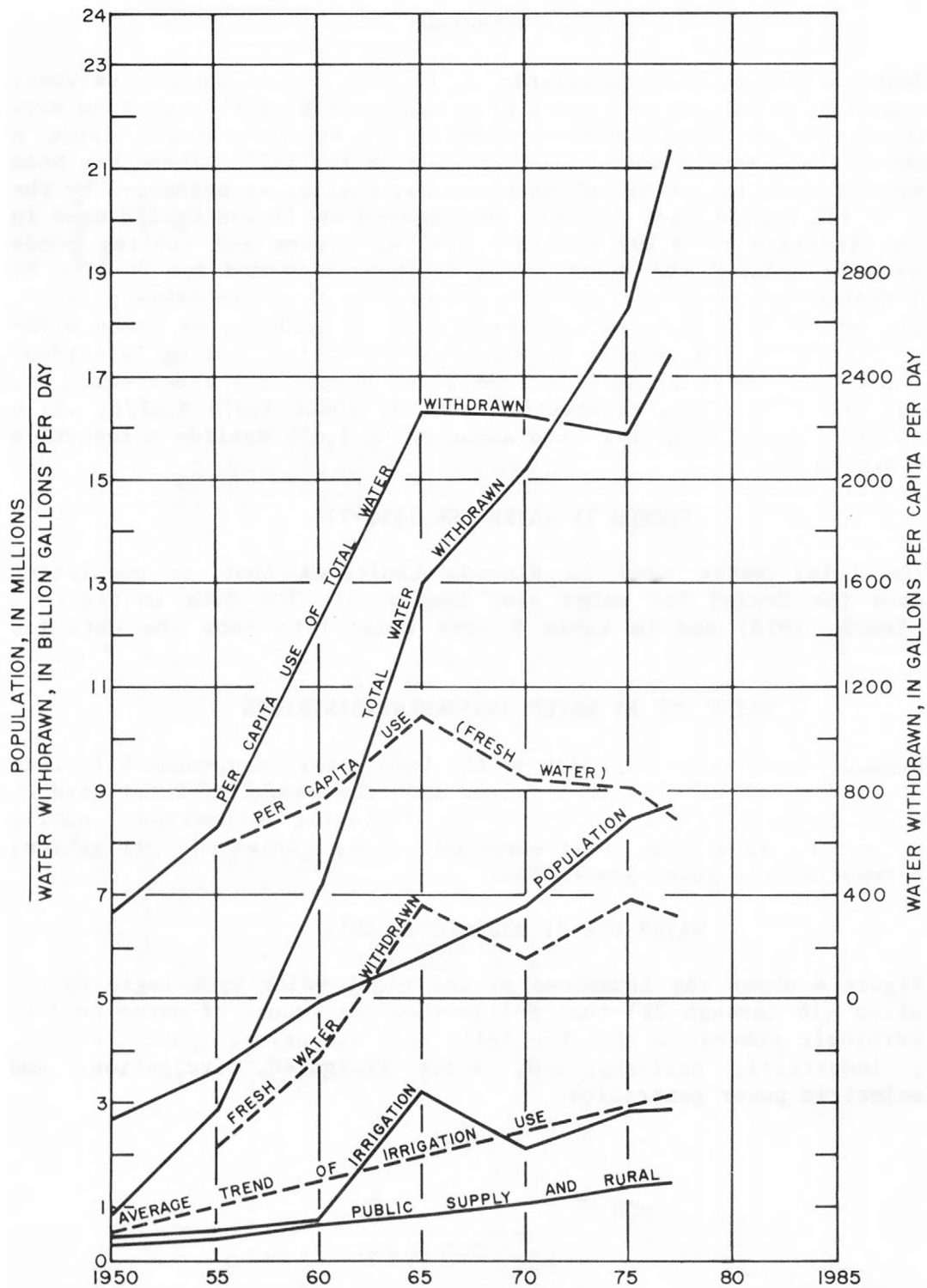


Figure 2.--Trends in population and withdrawals of water 1950-77.

Table 8.-- THERMOELECTRIC POWER GENERATION
WATER USE IN FLORIDA

BY COUNTIES, 1977

COUNTY	COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)
	GROUND FRESH	SELF-SUPPLIED		FRESH GW		FRESH SW	FRESH		SALINE		
		WATER SALINE	SURFACE FRESH							SALINE	
ALACHUA	1.3	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.9	0.0	709
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	227.8	0.0	0.70	0.0	0.0	0.5	2.1	1592
BRADFORD	0.1	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.1	0.0	34
BREVARD	0.0	0.0	0.0	1421.0	0.0	0.29	0.0	0.02	0.2	7.4	6519
BROWARD	0.0	0.0	0.0	1722.3	0.03	0.57	0.0	0.0	0.4	7.5	32500
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	1892.2	0.0	0.63	0.0	0.0	0.5	15.5	8242
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	2160.0	0.0	0.0	0.0	1.00	0.6	56.2	36956
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	1.9	0.0	0.0	1225.0	0.0	1.53	0.0	0.0	0.2	6.4	5739
ESCAMBIA	0.0	0.0	249.7	0.0	0.0	2.50	0.0	0.0	2.1	0.0	3780
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	0.0	0.0	0.0	8
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	1957.6	0.0	1.14	1.95	0.0	3.0	12.3	10928
HOLMES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
INDIAN RIVER	4.4	0.0	0.0	160.0	0.0	0.0	0.0	0.0	3.6	3.4	293
JACKSON	0.3	0.0	109.2	0.0	0.0	0.02	0.0	0.0	0.6	0.0	489
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	1.6	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.6	0.0	588
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	14.0	0.0	0.0	0.01	0.0	0.0	1.3	0.0	3182
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	49.3	0.0	0.0	0.0	0.10	0.0	0.0	0.1	0.5	352
NASSAU	35.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	587
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	0.1	0.0	65.6	0.0	0.0	0.08	0.0	0.0	0.4	0.0	186

Table 8.-- THERMOELECTRIC POWER GENERATION --Continued
WATER USE IN FLORIDA

BY COUNTIES, 1977

COUNTY	COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)
	GROUND FRESH	SELF-SUPPLIED WATER SALINE	SURFACE FRESH	WATER SALINE		SELF-SUPPLIED FRESH GW	FRESH SW		FRESH	SALINE	
OSCEOLA	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	91
PALM BEACH	0.0	0.0	0.0	657.0	0.60	0.18	0.0	0.0	0.5	5.3	3896
PASCO	0.0	0.0	0.0	1271.0	0.0	0.12	0.0	0.0	0.1	11.4	3330
PINELLAS	0.0	0.0	0.0	635.0	0.0	0.15	0.0	0.0	0.1	4.7	3146
POLK	0.0	0.0	222.9	0.0	0.0	0.33	0.0	0.0	3.0	0.0	1159
PUTNAM	0.0	0.0	1.2	0.0	0.0	0.0	0.17	0.0	0.7	0.0	388
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	777.6	0.0	0.0	0.0	0.0	1.4	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	286.0	14.4	0.0	0.0	0.0	0.03	7.8	0.1	4385
WAKULLA	0.3	0.0	93.3	0.0	0.0	0.17	0.0	0.0	0.7	0.0	381
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	46.4	49.3	1309.9	14688.9	1.54	8.82	2.15	1.12	32.0	137.6	134914

Table 9.--The population and estimated water use, 1950-77.

Years included in inventory	Total popula- tion (thou- sands)	Total water withdrawn (Mgal/d)										Per capita use (gal/d)		Total water con- sumed (mgal/d)
		Industrial uses							All uses			Fresh water only	All water	
		Public supplies	Rural domestic and livestock	Irri- gation	Thermo- electric power production	Other industry	All industrial uses	Fresh	Saline	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	
1977	8,717	1,236	257	2,873	16,108	996	17,104	6,654	14,812	21,466	763	2,463	¹ 2,329	

(a) Data not available.

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

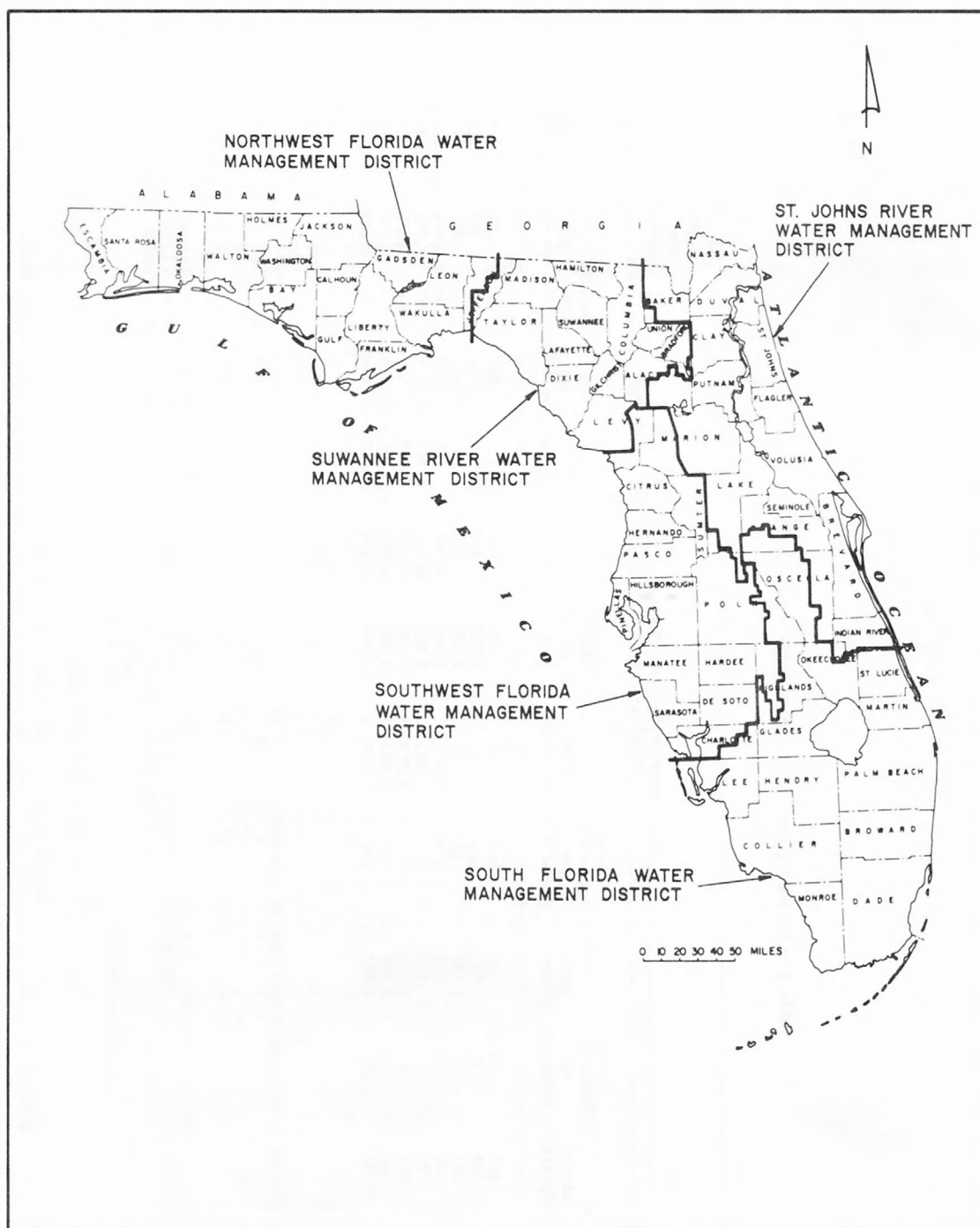


Figure 3.--The five Water Management Districts in Florida.

Table 10.-- PUBLIC SUPPLY WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1977

COUNTY		POPULATION (THSNDS)			POPULATION SERVED (THSNDS)			WATER WITHDRAWN (MGD)			PER CAP	WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)
		TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL		PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG	
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT																	
BAY	2	95.4	66.9	28.5	12.8	66.3	79.1	2.91	36.05	38.96	493	9.30	0.0	26.76	2.90	0.0	13.91
CALHOUN	2	8.8	3.1	5.7	3.1	0.0	3.1	0.32	0.0	0.32	103	0.21	0.0	0.0	0.11	0.0	0.07
ESCAMBIA		229.5	68.6	160.9	187.7	0.0	187.7	30.48	0.0	30.48	162	23.81	0.07	1.25	5.35	0.0	15.44
FRANKLIN	2	8.1	4.2	3.9	6.3	0.0	6.3	1.11	0.0	1.11	176	0.81	0.0	0.06	0.24	0.0	0.22
GADSDEN	2	37.3	18.1	19.2	9.4	7.7	17.1	1.08	1.48	2.56	150	2.26	0.0	0.0	0.30	0.0	1.32
GULF	2	11.0	6.4	4.6	2.0	3.5	5.5	0.16	0.72	0.88	160	0.54	0.0	0.31	0.03	0.0	0.18
HOLMES		13.9	3.7	10.2	3.7	0.0	3.7	0.60	0.0	0.60	162	0.52	0.03	0.01	0.05	0.0	0.31
JACKSON	2	38.6	15.4	23.2	16.2	0.0	16.2	1.99	0.0	1.99	123	1.71	0.02	0.05	0.19	0.01	0.62
JEFFERSON	4	7.9	2.5	5.4	3.0	0.0	3.0	0.57	0.0	0.57	190	0.36	0.02	0.15	0.03	0.0	0.14
LEON		135.2	86.4	48.8	93.7	0.0	93.7	17.03	0.0	17.03	182	13.97	0.0	0.0	3.06	0.0	4.64
LIBERTY	2	4.2	0.7	3.5	1.3	0.0	1.3	0.09	0.0	0.09	69	0.07	0.01	0.0	0.01	0.0	0.01
OKALOOSA		106.8	49.8	57.0	77.7	0.0	77.7	12.79	0.0	12.79	165	11.44	0.13	0.0	1.22	0.0	4.53
SANTA ROSA		50.0	14.5	35.5	40.7	0.0	40.7	4.39	0.0	4.39	108	3.79	0.11	0.0	0.49	0.0	1.27
WAKULLA		9.1	0.7	8.4	4.9	0.0	4.9	0.36	0.0	0.36	73	0.36	0.0	0.0	0.00	0.0	0.06
WALTON		19.0	6.5	12.5	9.8	0.0	9.8	0.99	0.0	0.99	101	0.78	0.0	0.02	0.17	0.01	0.38
WASHINGTON	2	14.6	5.8	8.8	6.3	0.0	6.3	0.78	0.0	0.78	124	0.69	0.02	0.0	0.07	0.0	0.10
WMD TOTAL		789.4	353.3	436.1	478.6	77.5	556.1	75.65	38.25	113.90	205	70.62	0.41	28.60	14.25	0.02	43.20
SUWANNEE RIVER WATER MANAGEMENT DISTRICT																	
ALACHUA	3	32.3	10.4	21.9	8.2	0.0	8.2	0.96	0.0	0.96	117	0.90	0.02	0.01	0.03	0.0	0.19
BAKER	2	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
BRADFORD	2	16.5	6.7	9.8	6.2	0.0	6.2	1.08	0.0	1.08	174	0.87	0.0	0.0	0.21	0.0	0.20
COLUMBIA	2	29.4	10.6	18.8	12.6	0.0	12.6	1.84	0.0	1.84	146	1.05	0.0	0.18	0.52	0.09	0.31
DIXIE		7.0	2.6	4.4	3.4	0.0	3.4	0.48	0.0	0.48	141	0.42	0.0	0.0	0.06	0.0	0.29
GILCHRIST		5.7	1.7	4.0	1.5	0.0	1.5	0.53	0.0	0.53	353	0.36	0.07	0.0	0.10	0.0	0.44
HAMILTON		8.7	3.5	5.2	4.9	0.0	4.9	0.81	0.0	0.81	165	0.70	0.0	0.01	0.10	0.0	0.26
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		3.8	0.8	3.0	0.9	0.0	0.9	0.17	0.0	0.17	189	0.14	0.0	0.0	0.03	0.0	0.04
LEVY	4	9.2	3.5	5.7	3.7	0.0	3.7	0.44	0.0	0.44	119	0.43	0.0	0.0	0.01	0.0	0.09
MADISON		14.3	5.0	9.3	6.4	0.0	6.4	1.09	0.0	1.09	170	0.75	0.0	0.29	0.05	0.0	0.32
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		20.3	7.9	12.4	7.7	0.0	7.7	1.23	0.0	1.23	160	0.93	0.03	0.01	0.26	0.0	0.51
TAYLOR		14.4	7.6	6.8	9.2	0.0	9.2	1.67	0.0	1.67	182	1.27	0.0	0.0	0.36	0.04	0.97
UNION		10.2	2.2	8.0	6.2	0.0	6.2	0.56	0.0	0.56	90	0.24	0.0	0.26	0.06	0.0	0.16
WMD TOTAL		175.3	62.5	112.8	70.9	0.0	70.9	10.86	0.0	10.86	153	8.05	0.12	0.77	1.79	0.13	3.78

Table 10.-- PUBLIC SUPPLY WATER USE IN FLORIDA --Continued

RY WATER MANAGEMENT DISTRICTS, 1977

COUNTY	POPULATION (THSND)			POPULATION SERVED (THSND)			WATER WITHDRAWN (MGD)			PER CAP	WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)	
	TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL		PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG		
ST. JOHNS WATER MANAGEMENT DISTRICT																	
ALACHUA	3	101.5	71.8	29.7	83.1	0.0	83.1	15.56	0.0	15.56	187	8.57	0.0	0.61	6.38	0.0	8.05
BAKER	2	11.0	3.8	7.2	4.1	0.0	4.1	0.56	0.0	0.56	137	0.48	0.0	0.0	0.08	0.0	0.13
BRADFORD	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
BREVARD		254.4	158.0	96.4	134.9	91.0	225.9	a19.32	10.80	a30.12	133	30.12	0.0	0.0	0.0	0.0	11.22
CLAY	2	50.3	13.4	36.9	31.8	0.0	31.8	4.99	0.0	4.99	157	4.91	0.0	0.0	0.05	0.02	0.88
DUVAL	2	573.2	573.2	-0.0	524.7	0.0	524.7	93.60	0.0	93.60	178	68.71	0.0	7.18	12.73	4.97	23.43
FLAGLER		7.9	3.6	4.3	6.0	0.0	6.0	0.62	0.0	0.62	103	0.62	0.0	0.0	0.0	0.0	0.11
INDIAN RIVER		49.7	19.2	30.5	18.8	0.0	18.8	5.82	0.0	5.82	310	5.82	0.0	0.0	0.0	0.0	3.88
LAKE	4	87.6	48.3	39.3	42.3	0.0	42.3	9.94	0.0	9.94	235	6.98	0.0	0.21	2.75	0.0	4.44
MARION	5	89.1	34.7	54.4	36.8	0.0	36.8	5.90	0.0	5.90	160	3.31	0.0	1.31	1.28	0.0	1.49
NASSAU		31.1	10.8	20.3	13.5	0.0	13.5	3.07	0.0	3.07	227	1.80	0.0	0.91	0.36	0.0	2.23
OKEECHOBEE	2	1.2	0.0	1.2	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
ORANGE	3	379.8	177.0	202.8	321.1	0.0	321.1	f64.62	0.0	f64.62	201	58.45	1.32	2.38	2.47	0.0	36.15
OSCEOLA	4	7.1	0.0	7.1	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
POLK	4	6.1	2.3	3.8	3.2	0.0	3.2	0.34	0.0	0.34	106	0.34	0.0	0.0	0.0	0.0	0.19
PUTNAM	2	44.6	12.9	31.7	14.9	0.0	14.9	3.14	0.0	3.14	211	3.14	0.0	0.0	0.0	0.0	1.51
ST JOHNS		42.8	14.2	28.6	21.2	0.0	21.2	2.89	0.0	2.89	136	2.70	0.0	0.19	0.0	0.0	0.04
SEMINOLE		142.2	73.2	69.0	64.5	0.0	64.5	12.55	0.0	12.55	195	11.33	0.0	0.25	0.97	0.0	5.75
VOLUSIA		219.2	140.3	78.9	156.0	0.0	156.0	26.58	0.0	26.58	170	23.41	0.0	1.53	1.37	0.27	9.84
WMD TOTAL		2099.2	1356.7	742.5	1476.9	91.0	1567.9	269.50	10.80	280.30	179	230.68	1.32	14.58	28.45	5.26	109.34
SOUTH FLORIDA WATER MANAGEMENT DISTRICT																	
BROWARD		902.5	755.9	146.6	881.7	0.0	881.7	155.85	0.0	155.85	177	116.23	18.05	7.52	11.15	2.90	63.18
CHARLOTTE	4	2.6	0.0	2.6	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		68.9	18.0	50.9	60.4	0.0	60.4	14.12	0.0	14.12	234	11.32	2.47	0.11	0.11	0.11	6.88
DADE	b	1668.3	789.5	878.8	1629.9	0.0	1629.9	c274.19	0.0	c274.19	168	234.99	0.0	13.00	15.72	10.48	167.88
GLADES		5.3	1.2	4.1	2.0	0.0	2.0	0.22	0.0	0.22	110	0.20	0.0	0.0	0.02	0.0	0.06
HENDRY		16.2	7.1	9.1	2.5	8.5	11.0	0.25	1.30	1.55	141	1.10	0.0	0.45	0.0	0.0	0.99
HIGHLANDS	4	13.7	0.7	13.0	1.4	0.0	1.4	0.19	0.0	0.19	136	0.17	0.0	0.0	0.02	0.0	0.09
LEE	2	172.3	60.5	111.8	121.0	35.0	156.0	12.27	6.74	19.01	122	16.64	0.0	1.16	1.22	0.0	3.77
MARTIN		50.3	10.8	39.5	23.8	0.0	23.8	5.51	0.0	5.51	232	5.51	0.0	0.0	0.0	0.0	2.44
MONROE		55.1	26.6	28.5	54.9	0.0	54.9	e7.20	0.0	e7.20	131	6.48	0.0	0.0	0.72	0.0	1.85
OKEECHOBEE	2	16.9	4.0	12.9	0.0	8.2	8.2	0.0	1.34	1.34	163	1.21	0.0	0.0	0.13	0.0	0.42
ORANGE	3	45.5	0.9	44.6	18.0	0.0	18.0	f2.63	0.0	f2.63	146	2.58	0.0	0.05	0.0	0.0	0.51
OSCEOLA	4	30.8	17.8	13.0	19.0	0.0	19.0	3.96	0.0	3.96	208	3.58	0.0	0.38	0.0	0.0	1.13
PALM BEACH		505.6	343.6	162.0	297.3	119.7	417.0	66.07	30.24	96.31	231	76.44	0.0	6.69	6.86	6.32	28.71
POLK	4	23.5	0.0	23.5	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	73.6	38.3	35.3	42.5	0.0	42.5	6.65	0.0	6.65	156	6.23	0.0	0.12	0.30	0.0	2.87
WMD TOTAL		3651.1	2074.9	1576.2	3154.4	171.4	3325.8	549.11	39.62	588.73	177	482.67	20.53	29.47	36.25	19.81	280.78

Table 10.-- PUBLIC SUPPLY WATER USE IN FLORIDA --Continued

BY WATER MANAGEMENT DISTRICTS, 1977

COUNTY		POPULATION (THSND)			POPULATION SERVED (THSND)			WATER WITHDRAWN (MGD)			PER CAP	WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)
		TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL		PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG	
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT																	
CHARLOTTE	4	41.7	6.3	35.4	1.8	31.8	33.6	0.08	3.89	3.97	118	3.27	0.0	0.0	0.70	0.0	1.89
CITRUS		38.6	5.8	32.8	5.5	0.0	5.5	0.66	0.0	0.66	120	0.43	0.0	0.0	0.23	0.0	0.43
DESOTO		18.0	6.0	12.0	7.0	0.0	7.0	0.74	0.0	0.74	106	0.67	0.0	0.04	0.03	0.0	0.0
HARDEE		17.4	6.1	11.3	6.9	0.0	6.9	1.02	0.0	1.02	148	0.87	0.0	0.01	0.14	0.0	0.24
HERNANDO		32.2	5.3	26.9	5.3	0.0	5.3	0.92	0.0	0.92	174	0.92	0.0	0.0	0.0	0.0	0.10
HIGHLANDS	4	27.4	15.7	11.7	23.0	0.0	23.0	3.54	0.0	3.54	154	3.33	0.0	0.06	0.15	0.0	2.14
HILLSBOROUGH		602.7	300.0	302.7	100.2	419.5	519.7	d 13.42	56.64	d 70.06	135	38.99	0.0	7.99	23.08	0.0	12.94
LAKE	4	4.5	0.0	4.5	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
LEVY	4	6.7	3.6	3.1	3.8	0.0	3.8	0.61	0.0	0.61	161	0.60	0.0	0.0	0.01	0.0	0.14
MANATEE		129.3	47.1	82.2	0.0	83.0	83.0	0.0	22.36	22.36	269	14.14	0.0	7.87	0.35	0.0	14.77
MARION	5	12.0	1.2	10.8	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		142.3	20.7	121.6	26.8	0.0	26.8	g 3.57	0.0	g 3.57	133	3.45	0.0	0.0	0.12	0.0	1.49
PINELLAS		687.2	513.1	174.1	659.3	0.0	659.3	h 88.68	0.0	h 88.68	135	65.92	0.0	2.66	15.87	4.23	16.75
POLK	4	250.0	121.3	128.7	183.5	0.0	183.5	30.03	0.0	30.03	164	27.80	0.82	0.52	0.88	0.0	17.54
SARASOTA		170.6	68.0	102.6	91.0	12.6	103.6	9.58	1.26	10.84	105	7.38	0.64	0.30	2.32	0.21	2.70
SUMTER	2	21.6	6.2	15.4	7.3	0.0	7.3	0.92	0.0	0.92	126	0.86	0.0	0.0	0.06	0.0	0.13
WMD TOTAL		2202.2	1126.4	1075.8	1122.6	546.9	1669.5	153.95	84.15	238.10	143	168.81	1.47	19.45	43.93	4.44	71.36
STATE TOTAL		8917.2	4973.8	3943.4	6303.4	886.8	7190.2	1059.07	172.82	1231.89	171	960.83	23.84	92.88	124.67	29.67	508.46

a Includes 16.0 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 27.96 Mgal/d exported to Pinellas County

e Includes 5.96 Mgal/d imported from Dade County and 1.24 Mgal/d produced by the desalination plant at Stock Island, Florida

f Does not include 16.0 Mgal/d exported to Brevard County

g Does not include 18.1 Mgal/d exported to Pinellas County

h Includes 27.96 Mgal/d exported from Hillsborough County and 18.1 Mgal/d exported from Pasco County

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, 1977

COUNTY		SELF-SUPPLIED		DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)			
		COUNTY POPULATION (THSND)	SW	WITHDRAWN		CONSUMED	WITHDRAWN		CONSUMED	WITHDRAWN		CONSUMED			
				GW	ALL		GW	ALL		GW	ALL		GW	ALL	
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT															
BAY	2	16.3	0.0	1.76	1.76	0.44	0.01	0.02	0.03	0.03	0.01	1.78	1.79	0.47	
CALHOUN	2	5.7	0.01	0.54	0.55	0.14	0.0	0.04	0.04	0.04	0.01	0.58	0.59	0.18	
ESCAMBIA		41.8	0.0	4.18	4.18	0.92	0.04	0.15	0.19	0.19	0.04	4.33	4.37	1.11	
FRANKLIN	2	1.8	0.0	0.20	0.20	0.05	0.01	0.01	0.02	0.02	0.01	0.21	0.22	0.07	
GADSDEN	2	20.2	0.10	2.08	2.18	0.52	0.25	0.07	0.32	0.32	0.35	2.15	2.50	0.84	
GULF	2	5.5	0.0	0.56	0.56	0.14	0.04	0.02	0.06	0.06	0.04	0.58	0.62	0.20	
HOLMES		10.2	0.0	1.16	1.16	0.29	0.25	0.28	0.53	0.53	0.25	1.44	1.69	0.82	
JACKSON	2	22.4	0.0	2.59	2.59	0.65	0.33	0.13	0.46	0.46	0.33	2.72	3.05	1.11	
JEFFERSON	4	4.9	0.0	0.39	0.39	0.07	0.04	0.20	0.24	0.24	0.04	0.59	0.63	0.31	
LEON		41.5	0.0	4.30	4.30	1.08	0.14	0.06	0.20	0.20	0.14	4.36	4.50	1.28	
LIBERTY	2	2.9	0.0	0.29	0.29	0.07	0.03	0.01	0.04	0.04	0.03	0.30	0.33	0.11	
OKALOOSA		29.1	0.0	3.15	3.15	0.79	0.12	0.03	0.15	0.15	0.12	3.18	3.30	0.94	
SANTA ROSA		9.3	0.0	1.18	1.18	0.30	0.08	0.06	0.14	0.14	0.08	1.24	1.32	0.44	
WAKULLA		4.2	0.0	0.45	0.45	0.11	0.03	0.02	0.05	0.05	0.03	0.47	0.50	0.16	
WALTON		9.2	0.0	0.95	0.95	0.24	0.10	0.07	0.17	0.17	0.10	1.02	1.12	0.41	
WASHINGTON	2	8.3	0.0	0.93	0.93	0.24	0.02	0.07	0.09	0.09	0.02	1.00	1.02	0.33	
WMD TOTAL		233.3	0.11	24.71	24.82	6.05	1.49	1.24	2.73	2.73	1.60	25.95	27.55	8.78	
SUWANNEE RIVER WATER MANAGEMENT DISTRICT															
ALACHUA	3	24.1	0.0	2.02	2.02	0.51	0.33	0.56	0.89	0.89	0.33	2.58	2.91	1.40	
BAKER	2	1.7	0.0	0.17	0.17	0.04	0.02	0.02	0.04	0.04	0.02	0.19	0.21	0.08	
BRADFORD	2	10.3	0.0	1.25	1.25	0.25	0.04	0.74	0.78	0.78	0.04	1.99	2.03	1.03	
COLUMBIA	2	16.8	0.0	1.73	1.73	0.43	0.10	0.43	0.53	0.53	0.10	2.16	2.26	0.96	
DIXIE		3.6	0.0	0.36	0.36	0.07	0.06	0.06	0.12	0.12	0.06	0.42	0.48	0.19	
GILCHRIST		4.2	0.0	0.43	0.43	0.11	0.21	0.40	0.61	0.61	0.21	0.83	1.04	0.72	
HAMILTON		3.8	0.0	0.38	0.38	0.10	0.10	0.15	0.25	0.25	0.10	0.53	0.63	0.35	
JEFFERSON	4	1.7	0.0	0.26	0.26	0.05	0.04	0.17	0.21	0.21	0.04	0.43	0.47	0.26	
LAFAYETTE		2.9	0.0	0.29	0.29	0.07	0.02	1.20	1.22	1.22	0.02	1.49	1.51	1.29	
LEVY	4	5.5	0.0	0.58	0.58	0.14	0.49	0.14	0.63	0.63	0.49	0.72	1.21	0.77	
MADISON		7.9	0.0	0.83	0.83	0.21	0.10	0.58	0.68	0.68	0.10	1.41	1.51	0.89	
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		12.6	0.0	1.29	1.29	0.32	0.01	1.27	1.28	1.28	0.01	2.56	2.57	1.60	
TAYLOR		5.2	0.0	0.53	0.53	0.13	0.14	0.13	0.27	0.27	0.14	0.66	0.80	0.40	
UNION		4.0	0.0	0.40	0.40	0.10	0.05	0.10	0.15	0.15	0.05	0.50	0.55	0.25	
WMD TOTAL		104.4	0.0	10.53	10.53	2.53	1.71	5.95	7.66	7.66	1.71	16.48	18.19	10.19	

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

BY WATER MANAGEMENT DISTRICTS, 1977

COUNTY	SELF-SUPPLIED		DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)			
	COUNTY POPULATION (THSDS)	SW	WITHDRAWN		CONSUMED	WITHDRAWN		CONSUMED	WITHDRAWN		CONSUMED			
			GW	ALL WATER		GW	ALL WATER		GW	ALL WATER				
ST. JOHNS WATER MANAGEMENT DISTRICT														
ALACHUA	3	18.4	0.0	2.06	2.06	0.51	0.29	0.29	0.58	0.58	0.29	2.35	2.64	1.09
BAKER	2	6.9	0.0	0.69	0.69	0.17	0.70	0.50	1.20	1.20	0.70	1.19	1.89	1.37
BRADFORD	2	0.4	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		28.5	0.0	2.84	2.84	0.71	0.38	0.53	0.91	0.91	0.38	3.37	3.75	1.62
CLAY	2	18.5	0.0	1.90	1.90	0.47	1.34	1.34	2.68	2.68	1.34	3.24	4.58	3.15
DUVAL	2	48.5	0.0	6.45	6.45	1.62	2.05	0.51	2.56	2.56	2.05	6.96	9.01	4.18
FLAGLER		1.9	0.0	0.28	0.28	0.07	0.05	0.08	0.13	0.13	0.05	0.36	0.41	0.20
INDIAN RIVER		30.9	0.0	3.12	3.12	0.78	0.54	0.06	0.60	0.60	0.54	3.18	3.72	1.38
LAKE	4	45.3	0.0	5.36	5.36	1.34	0.22	0.22	0.44	0.44	0.22	5.58	5.80	1.78
MARION	5	52.3	0.0	6.35	6.35	1.59	0.0	1.42	1.42	1.42	0.0	7.77	7.77	3.01
NASSAU		17.6	0.0	2.36	2.36	0.50	1.44	1.44	2.88	2.88	1.44	3.80	5.24	3.38
OKEFCHOBBE	2	1.2	0.0	0.15	0.15	0.03	0.33	0.51	0.84	0.84	0.33	0.66	0.99	0.87
ORANGE	3	58.7	0.0	5.86	5.86	1.46	0.07	0.57	0.64	0.64	0.07	6.43	6.50	2.10
OSCEOLA	4	7.1	0.0	0.73	0.73	0.18	1.20	0.0	1.20	1.20	1.20	0.73	1.93	1.38
POLK	4	2.9	0.0	0.28	0.28	0.07	0.0	0.07	0.07	0.07	0.0	0.35	0.35	0.14
PUTNAM	2	29.7	0.0	3.02	3.02	0.76	0.29	0.29	0.58	0.58	0.29	3.31	3.60	1.34
ST. JOHNS		21.6	0.0	2.67	2.67	0.67	0.05	0.19	0.24	0.24	0.05	2.86	2.91	0.91
SEMINOLE		77.7	0.0	8.63	8.63	2.16	0.0	0.23	0.23	0.23	0.0	8.86	8.86	2.39
VOLUSIA		63.2	0.0	6.35	6.35	2.03	0.70	0.08	0.78	0.78	0.70	6.43	7.13	2.81
WMD TOTAL		531.3	0.0	59.13	59.13	15.13	9.65	8.33	17.98	17.98	9.65	67.46	77.11	33.11
SOUTH FLORIDA WATER MANAGEMENT DISTRICT														
BROWARD		20.8	0.0	3.12	3.12	0.92	0.44	0.09	0.53	0.53	0.44	3.21	3.65	1.45
CHARLOTTE	4	2.6	0.0	0.18	0.18	0.05	0.0	0.11	0.11	0.11	0.0	0.29	0.29	0.16
COLLIER		8.5	0.45	0.61	1.06	0.16	0.0	0.31	0.31	0.31	0.45	0.92	1.37	0.47
DADE		38.4	0.0	3.98	3.98	2.95	0.0	0.15	0.15	0.15	0.0	4.13	4.13	3.10
GLADES		3.3	0.0	0.42	0.42	0.11	1.14	0.13	1.27	1.27	1.14	0.55	1.69	1.38
HENDRY		5.2	0.0	0.62	0.62	0.09	0.90	3.96	4.86	4.86	0.90	4.58	5.48	4.95
HIGHLANDS	4	12.3	0.0	1.30	1.30	0.32	0.0	1.52	1.52	1.52	0.0	2.82	2.82	1.84
LEE	2	16.3	0.0	2.44	2.44	0.35	0.04	0.35	0.39	0.39	0.04	2.79	2.83	0.74
MARTIN		26.5	0.0	2.66	2.66	0.66	0.10	0.55	0.65	0.65	0.10	3.21	3.31	1.31
MONROE		0.2	0.0	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.02	0.01
OKEFCHOBBE	2	8.7	0.0	1.25	1.25	0.22	2.27	3.49	5.76	5.76	2.27	4.74	7.01	5.98
ORANGE	3	27.5	0.0	2.76	2.76	0.69	0.0	0.02	0.02	0.02	0.0	2.78	2.78	0.71
OSCEOLA	4	11.8	0.0	3.24	3.24	0.65	0.61	0.0	0.61	0.61	0.61	3.24	3.85	1.26
PALM BEACH		88.6	0.45	13.36	13.81	3.33	0.95	1.21	2.16	2.16	1.40	14.57	15.97	5.49
POLK	4	23.5	0.0	2.32	2.32	0.58	0.02	0.51	0.53	0.53	0.02	2.83	2.85	1.11
ST. LUCIE	2	31.1	0.0	4.64	4.64	1.16	0.18	0.90	1.08	1.08	0.18	5.54	5.72	2.24
WMD TOTAL		325.3	0.40	42.92	43.82	12.25	6.65	13.30	19.95	19.95	7.55	56.22	63.77	32.20

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

BY WATER MANAGEMENT DISTRICTS, 1977

		SELF-SUPPLIED				DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)			
COUNTY		COUNTY POPULATION (THSNDS)	SW	WITHDRAWN GW	CONSUMED ALL WATER	SW	WITHDRAWN GW	CONSUMED ALL WATER	SW	WITHDRAWN GW	CONSUMED ALL WATER	SW	WITHDRAWN GW	CONSUMED ALL WATER			
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT																	
CHARLOTTE	4	8.1	0.0	1.05	1.05	0.26	0.0	0.27	0.27	0.27	0.0	1.32	1.32	0.53			
CITRUS		33.1	0.0	3.60	3.60	0.90	0.0	0.11	0.11	0.11	0.0	3.71	3.71	1.01			
DE SOTO		11.0	0.0	1.12	1.12	0.28	0.0	1.04	1.04	1.04	0.0	2.16	2.16	1.32			
HARDEE		10.5	0.0	1.05	1.05	0.26	0.0	1.18	1.18	1.18	0.0	2.23	2.23	1.44			
HERNANDO		26.9	0.0	2.69	2.69	0.67	0.05	0.39	0.44	0.44	0.05	3.08	3.13	1.11			
HIGHLANDS	4	4.4	0.0	0.36	0.36	0.09	0.0	0.46	0.46	0.46	0.0	0.82	0.82	0.55			
HILLSBOROUGH		83.0	0.0	8.73	8.73	1.96	0.0	4.39	4.39	4.39	0.0	13.12	13.12	6.35			
LAKE	4	4.5	0.0	0.53	0.53	0.13	0.02	0.02	0.04	0.04	0.02	0.55	0.57	0.17			
LEVY	4	2.9	0.0	0.28	0.28	0.07	0.0	0.22	0.22	0.22	0.0	0.50	0.50	0.29			
MANATEE		46.3	0.0	4.68	4.68	1.17	0.20	1.80	2.00	2.00	0.20	6.48	6.68	3.17			
MARION	5	10.8	0.0	1.12	1.12	0.28	0.0	0.48	0.48	0.48	0.0	1.60	1.60	0.76			
PASCO		115.5	0.0	11.55	11.55	2.89	0.0	1.80	1.80	1.80	0.0	13.35	13.35	4.69			
PINELLAS		27.9	0.0	2.91	2.91	1.61	0.02	0.54	0.56	0.56	0.02	3.45	3.47	2.17			
POLK	4	66.5	0.0	6.70	6.70	1.68	0.09	1.46	1.55	1.55	0.09	8.16	8.25	3.23			
SARASOTA		67.0	0.0	6.70	6.70	1.68	0.19	0.28	0.47	0.47	0.19	6.98	7.17	2.15			
SUMTER	2	14.3	0.0	1.45	1.45	0.37	0.0	0.74	0.74	0.74	0.0	2.19	2.19	1.11			
WMD TOTAL		532.7	0.0	54.52	54.52	14.30	0.57	15.18	15.75	15.75	0.57	69.70	70.27	30.05			
STATE TOTAL		1727.0	1.01	191.81	192.82	50.26	20.07	44.00	64.07	64.07	21.08	235.81	256.89	114.33			

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

BY WATER MANAGEMENT DISTRICTS, 1977

		WATER WITHDRAWN (MGD)						FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)								
COUNTY		GROUND WATER		SURFACE WATER		ALL WATER		WATER CON- SUMED	LM RK MINING	PULPA 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	1.32	0.0	0.0	0.0	1.32	0.0	0.97	0.0	0.12	0.72	0.0	0.0	0.21	0.0	0.27
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		47.36	1.60	25.60	0.24	72.96	1.84	21.96	0.0	24.86	39.66	0.0	0.0	0.0	0.24	10.04
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	1.95	0.0	2.04	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.06	1.98
GULF	2	0.52	0.0	33.20	13.00	33.72	13.00	7.11	0.0	31.70	15.00	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	0.49	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		30.60	0.0	0.0	0.0	30.60	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	29.38	1.22
LIBERTY	2	0.33	0.0	0.0	0.0	0.33	0.0	0.11	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.18
OKALOOSA		5.45	0.0	0.0	0.0	5.45	0.0	1.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.45
SANTA ROSA		18.99	0.0	0.0	0.0	18.99	0.0	15.92	0.0	0.0	8.36	0.0	0.0	0.0	0.64	9.99
WAKULLA		0.78	0.0	0.0	0.0	0.78	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78
WALTON		0.80	0.0	0.0	0.0	0.80	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.80	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		107.45	1.60	60.75	13.24	168.20	14.84	50.54	0.0	56.68	63.89	0.0	0.0	1.02	30.32	31.13
SUWANNEE RIVER WATER MANAGEMENT DISTRICT																
ALACHUA	3	1.95	0.0	0.0	0.0	1.95	0.0	1.45	0.0	0.0	0.0	0.0	0.0	0.45	0.0	1.50
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	3.37	0.0	0.0	0.0	3.37	0.0	2.83	0.0	0.0	2.00	0.0	0.0	0.01	0.0	1.36
COLUMBIA	2	0.31	0.0	0.0	0.0	0.31	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31
DIXIE		0.48	0.0	4.30	0.0	4.78	0.0	0.17	0.0	0.0	4.57	0.0	0.0	0.0	0.0	0.21
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		28.80	0.0	0.0	0.0	28.80	0.0	4.40	0.0	0.0	2.50	a26.30	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		1.98	0.0	0.0	0.0	1.98	0.0	0.14	1.03	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		93.97	0.0	4.30	0.0	98.27	0.0	20.15	1.03	56.00	9.07	26.30	0.0	1.36	0.0	4.51

Table 12.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA --Continued

BY WATER MANAGEMENT DISTRICTS, 1977

		WATER WITHDRAWN (MGD)						FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)								
COUNTY		GROUND WATER		SURFACE WATER		ALL WATER		WATER	LM RK	PULP&	CHEML	PHSPHT	CITRUS	FOOD	A/C	OTHER
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	CON- SUMED	MINING	PAPER	PRODS	MINING	PROC	PROC		
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	4.69	0.0	4.30	0.0	8.99	0.0	2.16	0.0	0.0	8.80	0.0	0.0	0.0	0.0	0.19
DUVAL	2	48.23	0.0	14.14	0.0	62.37	0.0	8.88	0.0	20.38	1.76	0.0	0.0	0.45	14.09	25.69
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	0.31	0.0	0.0	0.0	0.31	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31
NASSAU		58.11	0.0	0.0	2.00	58.11	2.00	53.19	0.0	57.82	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	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
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		165.14	0.0	40.04	2.00	205.18	2.00	93.27	0.0	112.73	10.66	0.0	26.72	4.27	21.80	31.00
SOUTH FLORIDA WATER MANAGEMENT DISTRICT																
BROWARD		2.98	0.0	1.00	0.0	3.98	0.0	1.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.98
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		6.73	0.0	0.0	0.0	6.73	0.0	4.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.73
GLADES		0.66	0.0	21.60	0.0	22.26	0.0	2.82	0.0	0.0	0.0	0.0	0.0	22.26	0.0	0.0
HENDRY		0.25	0.0	0.71	0.0	0.96	0.0	0.35	0.0	0.0	0.0	0.0	0.25	0.71	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		0.10	0.0	0.0	0.0	0.10	0.0	0.10	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		2.18	0.0	45.43	0.0	47.61	0.0	12.52	0.0	0.0	1.25	0.0	0.0	44.86	0.0	1.50
POLK	4	0.12	0.0	0.0	0.0	0.12	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
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		22.73	0.0	76.74	0.0	99.47	0.0	24.29	8.00	0.0	1.25	0.0	0.39	68.00	0.40	21.41

Table 12.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA --Continued

BY WATER MANAGEMENT DISTRICTS, 1977

		WATER WITHDRAWN (MGD)						FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)								
COUNTY		GROUND WATER		SURFACE WATER		ALL WATER		WATER CON- SUMED	LM RK MINING	PULPK 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
DE SOTO		1.10	0.0	0.0	0.0	1.10	0.0	0.11	0.0	0.0	0.0	0.0	0.74	0.11	0.0	0.25
HARDEE		9.94	0.0	0.0	0.0	9.94	0.0	2.51	0.0	0.0	0.0	9.29	0.0	0.64	0.0	0.01
HERNANDO		33.76	0.0	0.0	0.0	33.76	0.0	8.53	23.43	0.0	0.0	0.0	0.0	0.17	0.0	10.16
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		26.76	56.65	7.40	0.0	34.16	56.65	10.80	0.0	0.0	16.87	11.52	0.10	4.35	0.34	57.63
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		3.35	0.0	0.0	0.0	3.35	0.0	0.47	0.0	0.0	0.0	0.31	1.51	0.88	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		13.19	0.0	0.0	0.0	13.19	0.0	6.45	0.0	0.0	0.0	0.0	12.30	0.73	0.0	0.16
PINELLAS		1.28	0.0	0.0	0.0	1.28	0.0	0.56	0.0	0.0	0.16	0.0	0.39	0.24	0.0	0.49
POLK	4	233.24	0.0	0.0	0.0	233.24	0.0	72.46	0.0	0.0	73.91	133.80	16.90	8.43	0.0	0.25
SARASOTA		2.92	0.0	0.0	0.0	2.92	0.0	0.59	0.0	0.0	0.0	0.0	0.02	0.13	1.80	0.97
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		343.77	56.65	7.40	0.0	351.17	56.65	106.40	40.46	0.0	90.98	154.92	32.80	15.95	2.75	69.96
STATE TOTAL		733.06	58.25	184.23	15.24	922.24	73.49	294.65	49.49	225.41	175.85	181.22	59.91	90.60	55.27	158.01

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

Table 13.-- 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, 1977

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER- MELONS	OTHER	TOTAL
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT										
RAY	2	0	0	0	0	0	0	0	558	558
CALHOUN	2	0	0	0	0	0	120	0	270	390
ESCAMBIA		0	30	0	0	0	80	0	526	636
FRANKLIN	2	0	0	0	0	0	0	0	0	0
GADSDEN	2	0	1300	0	0	250	1500	0	715	3765
GULF	2	0	0	0	0	0	0	0	300	300
HOLMES		0	20	0	0	0	0	0	80	100
JACKSON	2	0	2000	1000	0	100	3500	800	8700	16100
JEFFERSON	4	0	88	235	0	23	0	46	151	543
LEON		0	0	0	0	0	185	0	216	401
LIBERTY	2	0	0	0	0	0	0	0	0	0
OKALOOSA		0	0	600	0	0	0	0	21	621
SANTA ROSA		0	0	20	0	0	830	0	2439	3289
WAKULLA		0	0	0	0	0	0	75	10	85
WALTON		0	100	0	0	0	0	0	11521	11621
WASHINGTON	2	0	0	0	100	0	0	0	0	100
WMD TOTAL		0	3538	1855	100	373	6215	921	25507	38509
SUWANNEE RIVER WATER MANAGEMENT DISTRICT										
ALACHUA	3	0	1029	1086	0	465	2544	1345	2258	8727
BAKER	2	0	0	0	0	0	0	0	0	0
BRADFORD	2	0	245	105	0	0	60	0	174	584
COLUMBIA	2	0	80	0	0	488	930	245	412	2155
DIXIE		0	0	0	0	85	100	613	45	843
GILCHRIST		0	59	280	0	210	591	530	479	2149
HAMILTON		0	30	125	0	1328	952	40	222	2697
JEFFERSON	4	0	0	0	0	19	0	160	295	474
LAFAYETTE		0	74	579	0	703	1421	2370	909	6056
LEVY	4	0	0	430	0	39	1270	60	1031	2830
MADISON		0	21	60	0	728	1899	482	1924	5114
PUTNAM	2	0	0	0	0	0	0	0	0	0
SUWANNEE		0	454	1886	0	1911	4723	1314	2960	13248
TAYLOR		0	0	0	0	96	0	0	2	98
UNION		0	220	0	0	185	0	0	0	405
WMD TOTAL		0	2212	4551	0	6257	14490	7159	10711	45380

Table 13.-- 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 --Continued

BY WATER MANAGEMENT DISTRICTS, 1977

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	100	1313	600	0	80	600	813	1428	4934
HAKER	2	0	280	0	0	30	0	0	600	910
BRADFORD	2	0	0	0	0	0	0	0	0	0
BREVARD		10500	200	60000	0	0	0	0	200	70900
CLAY	2	0	140	300	0	0	0	0	0	440
DUVAL	2	0	0	40	0	0	0	0	2340	2380
FLAGLER		0	4050	0	0	0	0	0	0	4050
INDIAN RIVER		49647	0	20000	0	0	0	0	1700	71347
LAKE	4	72950	15833	9170	0	0	0	0	100	98053
MARION	5	6500	2100	0	0	0	240	693	4133	13666
NASSAU		0	5	0	0	0	0	0	20	25
OKEECHOBEE	2	600	115	5700	0	0	0	15	0	6430
ORANGE	3	20253	17500	1313	0	0	0	0	0	39066
OSCEOLA	4	600	160	1667	0	0	0	0	0	2427
POLK	4	2550	30	120	0	0	0	10	67	2777
PUTNAM	2	1167	5500	3500	0	0	1500	0	7500	19167
ST JOHNS		50	20100	200	0	0	1000	0	3100	24450
SEMINOLE		5000	4000	2000	0	0	400	0	0	11400
VOLUSIA		1000	400	0	0	0	0	0	2000	3400
WMD TOTAL		170917	71726	104610	0	110	3740	1531	23188	375822
SOUTH FLORIDA WATER MANAGEMENT DISTRICT										
BROWARD		500	4200	0	0	0	0	0	4200	8900
CHARLOTTE	4	1515	990	1325	0	0	0	645	135	4610
COLLIER		7120	21300	5000	0	0	1420	3500	360	38700
DADE		3600	32190	695	0	0	0	0	12350	48835
GLADES		2420	1370	28800	17850	0	0	0	0	50440
HENDRY		30000	12000	88000	25300	0	0	0	0	155300
HIGHLANDS	4	30025	2575	85800	0	0	0	220	1200	119820
LEE	2	8100	9500	25000	0	0	0	0	0	42600
MARTIN		43800	2750	5000	3000	0	0	0	1250	55800
MONROE		0	0	0	0	0	0	0	100	100
OKEECHOBEE	2	4020	765	38300	0	0	0	95	0	43180
ORANGE	3	6751	0	562	0	0	0	0	0	7313
OSCEOLA	4	6388	40	833	0	50	0	250	0	7561
PALM BEACH		12500	114000	56000	245000	0	0	0	7000	434500
POLK	4	21250	250	1000	0	0	0	100	520	23120
ST LUCIE	2	74200	1030	20120	0	0	0	200	800	96350
WMD TOTAL		252189	202960	356435	291150	50	1420	5010	27915	1137129

Table 13.-- 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 --Continued

BY WATER MANAGEMENT DISTRICTS, 1977

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER- MELONS	OTHER	TOTAL
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT										
CHARLOTTE	4	2935	1925	2575	0	0	0	1255	265	8955
CITRUS		300	0	0	0	0	80	160	260	800
DESOTO		30000	3780	13500	0	0	250	3100	380	51010
HARDEE		28800	1400	15000	0	0	0	300	42	45542
HERNANDO		3600	0	0	0	0	80	50	1600	5330
HIGHLANDS	4	8475	725	24200	0	0	0	55	340	33795
HILLSBOROUGH		23000	8800	4000	0	0	0	0	2737	38537
LAKE	4	480	0	720	0	0	0	0	0	1200
LEVY	4	0	68	54	0	41	340	340	136	979
MANATEE		7000	10300	5000	0	0	0	600	1850	24750
MARION	5	0	900	0	0	13	160	297	90	1460
PASCO		17000	800	3000	0	0	0	500	3750	25050
PINELLAS		1000	0	0	0	0	0	0	8380	9380
POLK	4	61200	720	2880	0	0	0	290	1500	66590
SARASOTA		1500	3250	6600	0	0	0	350	2025	13725
SUMTER	2	500	2500	1000	0	15	100	2200	265	6580
WMD TOTAL		185790	35168	78529	0	69	1010	9497	23620	333683
STATE TOTAL		608896	315604	545980	291250	6859	26875	24118	110941	1930523

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, 1977

TOTAL WATER WITHDRAWN (AC-FT/YR)							TOTAL WATER WITHDRAWN (MGD)					
COUNTY		ACRES IRRIGATED	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT												
RAY	2	558	0	423	423	0	85	0.0	0.38	0.38	0.0	0.08
CALHOUN	2	390	1442	1355	2797	0	559	1.29	1.21	2.50	0.0	0.50
ESCAMBIA		636	393	689	1082	0	216	0.35	0.62	0.97	0.0	0.19
FRANKLIN	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
GADSDEN	2	3765	4909	349	5254	0	1051	4.38	0.31	4.70	0.0	0.94
GULF	2	300	0	250	250	0	100	0.0	0.22	0.22	0.0	0.09
HOLMES		100	27	0	27	0	5	0.02	0.0	0.02	0.0	0.00
JACKSON	2	16100	1540	4861	6401	0	1280	1.38	4.34	5.72	0.0	1.14
JEFFERSON	4	543	39	318	357	0	89	0.03	0.28	0.32	0.0	0.08
LEON		401	174	445	619	0	124	0.16	0.40	0.55	0.0	0.11
LIBERTY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
OKALOOSA		621	501	351	852	0	170	0.45	0.31	0.76	0.0	0.15
SANTA ROSA		3249	146	1675	1821	0	364	0.13	1.50	1.63	0.0	0.33
WAKULLA		85	25	40	65	0	13	0.02	0.04	0.06	0.0	0.01
WALTON		11621	1045	4126	5171	0	1034	0.93	3.68	4.62	0.0	0.92
WASHINGTON	2	100	67	0	67	13	0	0.06	0.0	0.06	0.01	0.0
WMD TOTAL		38509	10308	14882	25190	13	5090	9.21	13.29	22.49	0.01	4.55
SUWANNEE RIVER WATER MANAGEMENT DISTRICT												
ALACHUA	3	8727	1045	5996	7041	0	7025	0.93	5.35	6.29	0.0	6.27
BAKER	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BRADFORD	2	584	69	190	259	0	259	0.06	0.17	0.23	0.0	0.23
COLUMBIA	2	2155	83	1219	1302	0	1302	0.07	1.09	1.16	0.0	1.16
DIXIE		843	230	269	499	0	499	0.21	0.24	0.45	0.0	0.45
GILCHRIST		2149	332	1081	1413	0	1405	0.30	0.97	1.26	0.0	1.25
HAMILTON		2697	335	1834	2174	0	2174	0.30	1.64	1.94	0.0	1.94
JEFFERSON	4	474	27	109	136	0	136	0.02	0.10	0.12	0.0	0.12
LAFAYETTE		6056	108	2760	2868	0	2856	0.10	2.46	2.56	0.0	2.55
LEVY	4	2830	10	1730	1740	0	1740	0.01	1.54	1.55	0.0	1.55
MADISON		5114	336	3167	3503	0	3503	0.30	2.83	3.13	0.0	3.13
PUTNAM	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
SUWANNEE		13248	414	7588	8002	0	8009	0.37	6.78	7.15	0.0	7.15
TAYLOR		98	26	40	66	0	66	0.02	0.04	0.06	0.0	0.06
UNION		405	84	180	264	0	264	0.08	0.16	0.24	0.0	0.24
WMD TOTAL		45380	3099	26168	29267	0	29238	2.77	23.37	26.14	0.0	26.11

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 --Continued

BY WATER MANAGEMENT DISTRICTS, 1977

TOTAL WATER WITHDRAWN (AC-FT/YR)							TOTAL WATER WITHDRAWN (MGD)					
COUNTY		ACRES IRRIGATED	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
ST. JOHNS WATER MANAGEMENT DISTRICT												
ALACHUA	3	4934	410	1640	2050	0	1445	0.37	1.46	1.83	0.0	1.29
HAKFR	2	910	492	493	985	0	250	0.44	0.44	0.88	0.0	0.22
BRADFORD	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BREVARD		70900	2637	43315	45952	340	14230	2.35	38.68	41.04	0.30	12.71
CLAY	2	440	30	582	612	0	0	0.03	0.52	0.55	0.0	0.0
DUVAL	2	2380	264	2017	2281	0	1133	0.24	1.80	2.04	0.0	1.01
FLAGLER		4050	0	38003	38003	0	0	0.0	33.94	33.94	0.0	0.0
INDIAN RIVER		71347	63140	21046	84186	4230	28000	56.38	18.79	75.18	7.35	25.00
LAKF	4	98053	39113	117344	156457	1	17280	34.93	104.79	139.72	0.00	15.43
MARTIN	5	13666	942	17895	18837	0	14125	0.84	15.98	16.82	0.0	12.61
NASSAU		25	0	186	186	0	0	0.0	0.17	0.17	0.0	0.0
OKEECHOWEE	2	6430	2520	10755	13275	330	2640	2.25	9.60	11.85	0.29	2.36
ORANGE	3	39066	13125	41543	54668	1365	32800	11.72	37.10	48.82	1.22	29.29
OSCEOLA	4	2427	60	610	670	15	400	0.05	0.54	0.60	0.01	0.36
POLK	4	2777	185	3000	3185	0	3000	0.17	2.68	2.84	0.0	2.68
PUTNAM	2	19167	4948	19790	24738	0	4950	4.42	17.67	22.09	0.0	4.42
ST JOHNS		24450	0	37396	37396	0	24900	0.0	33.39	33.39	0.0	26.70
SEMINOLE		11400	751	14272	15023	240	10137	0.67	12.74	13.42	0.21	9.05
VOLUSIA		3400	4847	5362	10209	0	7650	4.33	4.79	9.12	0.0	6.83
WMD TOTAL		375822	133464	375249	508713	10521	167940	119.18	335.10	454.28	9.40	149.97
SOUTH FLORIDA WATER MANAGEMENT DISTRICT												
BROWARD		8900	67350	21740	89130	9100	18804	60.14	19.45	79.59	8.13	16.79
CHARLOTTE	4	4610	0	7940	7940	0	2935	0.0	7.09	7.09	0.0	2.62
COLLIER		38700	5400	81320	86720	16130	39100	4.82	72.62	77.44	14.40	34.92
DADE		48835	3310	113000	116310	0	42890	2.96	100.91	103.86	0.0	38.30
GLADES		50440	51260	13750	65010	6710	46090	45.78	12.28	58.05	5.99	41.16
HENDRY		155300	228500	92500	321000	35000	120000	204.05	82.60	286.65	32.15	107.16
HIGHLANDS	4	119820	55340	83450	138790	3565	42740	49.42	74.52	123.94	3.18	38.17
LEE	2	42600	25200	79500	104700	1200	47100	22.50	70.99	93.50	1.07	42.06
MARTIN		55800	91000	9200	100200	11200	46000	81.26	8.22	89.48	10.00	41.08
MONROE		100	0	50	50	0	10	0.0	0.04	0.04	0.0	0.01
OKEECHOWEE	2	43180	16840	71965	88805	2200	17600	15.04	64.26	79.30	1.96	15.72
ORANGE	3	7313	0	14266	14266	350	8535	0.0	12.74	12.74	0.31	7.62
OSCEOLA	4	7561	393	3089	3482	127	1760	0.35	2.76	3.11	0.11	1.57
PALM BEACH		434500	528000	42460	570460	70000	368920	471.50	37.92	509.42	62.51	329.45
POLK	4	23120	1550	25000	26550	0	25300	1.38	22.32	23.71	0.0	22.59
ST LUCIE	2	96350	361000	71300	432300	46600	80600	322.37	63.67	386.04	41.61	71.98
WMD TOTAL		1137129	1435143	730570	2165713	203182	908384	1281.58	652.40	1933.98	181.44	811.19

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 --Continued

BY WATER MANAGEMENT DISTRICTS, 1977

		TOTAL WATER WITHDRAWN (AC-FT/YR)					TOTAL WATER WITHDRAWN (MGD)					
COUNTY		ACRES IRRIGATED	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT												
CHARLOTTE	4	8955	0	15465	15465	0	5900	0.0	13.81	13.81	0.0	5.27
CITRUS		800	413	1250	1663	0	1330	0.37	1.12	1.49	0.0	1.19
DESOTO		51010	2164	69500	71664	0	47933	1.93	62.06	64.00	0.0	42.80
HARDEE		45542	0	62895	62895	0	43615	0.0	56.17	56.17	0.0	38.95
HERNANDO		5330	943	5300	6243	0	608	0.84	4.73	5.57	0.0	0.54
HIGHLANDS	4	33795	15610	23550	39160	1000	12060	13.94	21.03	34.97	0.89	10.77
HILLSBOROUGH		38537	2822	53630	56452	0	40800	2.52	47.89	50.41	0.0	36.43
LAKE	4	1200	811	2434	3245	0	2434	0.72	2.17	2.90	0.0	2.17
LEVY	4	979	49	441	490	0	98	0.04	0.39	0.44	0.0	0.09
MANATEE		24750	2415	45493	48308	0	5280	2.16	40.98	43.14	0.0	4.72
MARION	5	1460	88	1674	1762	0	1320	0.08	1.49	1.57	0.0	1.18
PASCO		25050	8183	32800	40983	0	25340	7.31	29.29	36.60	0.0	22.63
PINELLAS		9380	0	31440	31440	0	9310	0.0	28.08	28.08	0.0	8.31
POLK	4	66590	4465	72000	76465	0	72850	3.99	64.30	68.28	0.0	65.06
SARASOTA		13725	2787	25050	27837	0	23225	2.49	22.37	24.86	0.0	20.74
SUMTER	2	6580	190	3604	3794	0	2883	0.17	3.22	3.39	0.0	2.57
WMD TOTAL		333683	40940	446926	487866	1000	294986	36.56	399.10	435.66	0.89	263.42
STATE TOTAL		1930523	1622954	1593795	3216749	214716	1405638	1449.30	1423.26	2872.55	191.74	1255.23

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

BY WATER MANAGEMENT DISTRICTS, 1977

COUNTY		COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)
		SELF-SUPPLIED		SURFACE FRESH	WATER SALINE		SELF-SUPPLIED FRESH GW	FRESH SW		FRESH	SALINE	
		GROUND FRESH	WATER SALINE									
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT												
BAY	2	0.0	0.0	0.0	227.8	0.0	0.70	0.0	0.0	0.5	2.1	1592
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	249.7	0.0	0.0	2.50	0.0	0.0	2.1	0.0	3780
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	109.2	0.0	0.0	0.02	0.0	0.0	0.6	0.0	489
JEFFERSON	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
LEON		1.6	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.6	0.0	588
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		0.3	0.0	93.3	0.0	0.0	0.17	0.0	0.0	0.7	0.0	381
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		2.2	0.0	452.2	227.8	0.0	3.64	0.0	0.0	4.5	2.1	6830
SUWANNEE RIVER WATER MANAGEMENT DISTRICT												
ALACHUA	3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	547
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	0.1	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.1	0.0	34
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		1.1	0.0	172.8	0.0	0.01	0.01	0.0	0.0	2.0	0.0	1517

Table 15.-- T H E R M O E L E C T R I C P O W E R G E N E R A T I O N --Continued
W A T E R U S E I N F L O R I D A

BY WATER MANAGEMENT DISTRICTS, 1977

COUNTY		COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)	
		SELF-SUPPLIED		SURFACE WATER			SELF-SUPPLIED	FRESH		FRESH	FRESH		SALINE
		GROUND FRESH	WATER SALINE	FRESH	SALINE		FRESH GW	SW		FRESH	SALINE		
ST. JOHNS WATER MANAGEMENT DISTRICT													
ALACHUA	3	0.4	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.3	0.0	162	
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	1421.0	0.0	0.29	0.0	0.02	0.2	7.4	6519	
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	1.9	0.0	0.0	1225.0	0.0	1.53	0.0	0.0	0.2	6.4	5739	
FLAGLER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
INDIAN RIVER LAKE	4	4.4	0.0	0.0	160.0	0.0	0.0	0.0	0.0	3.6	3.4	293	
MARION	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
NASSAU		35.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	587	
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	0.1	0.0	65.6	0.0	0.0	0.08	0.0	0.0	0.4	0.0	186	
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	1.2	0.0	0.0	0.0	0.17	0.0	0.7	0.0	388	
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	286.0	14.4	0.0	0.0	0.0	0.03	7.8	0.1	4385	
WMD TOTAL		42.1	0.0	352.8	2820.4	0.90	1.90	0.17	0.05	14.0	17.3	18259	
SOUTH FLORIDA WATER MANAGEMENT DISTRICT													
BROWARD		0.0	0.0	0.0	1722.3	0.03	0.57	0.0	0.0	0.4	7.5	32500	
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	2160.0	0.0	0.0	0.0	1.00	0.6	56.2	36956	
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	49.3	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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	91	
PALM BEACH		0.0	0.0	0.0	657.0	0.60	0.18	0.0	0.0	0.5	5.3	3896	
ST LUCIE	2	0.0	0.0	0.0	777.6	0.0	0.0	0.0	0.0	1.4	0.0	790	
WMD TOTAL		1.0	49.3	0.0	5884.9	0.63	0.89	0.0	1.07	3.2	74.3	78076	

Table 15.-- THERMOELECTRIC POWER GENERATION --Continued
WATER USE IN FLORIDA

BY WATER MANAGEMENT DISTRICTS, 1977

COUNTY		COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)
		SELF-SUPPLIED		SURFACE WATER			SELF-SUPPLIED FRESH GW	FRESH SW		FRESH	SALINE	
		GROUND FRESH	WATER SALINE	FRESH	SALINE							
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	1892.2	0.0	0.63	0.0	0.0	0.5	15.5	8242
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	0.0	0.0	0.0	8
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	1957.6	0.0	1.14	1.95	0.0	3.0	12.3	10928
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	14.0	0.0	0.0	0.01	0.0	0.0	1.3	0.0	3182
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	1271.0	0.0	0.12	0.0	0.0	0.1	11.4	3330
PINELLAS		0.0	0.0	0.0	635.0	0.0	0.15	0.0	0.0	0.1	4.7	3146
POLK	4	0.0	0.0	222.9	0.0	0.0	0.33	0.0	0.0	3.0	0.0	1159
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	332.1	5755.8	0.0	2.38	1.98	0.0	8.3	43.9	30232
STATE TOTAL		46.4	49.3	1309.9	14688.9	1.54	8.82	2.15	1.12	32.0	137.6	134914

Table 16.-- PUBLIC SUPPLY WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1977

COUNTY		POPULATION (THSNDS)			POPULATION SERVED (THSNDS)			WATER WITHDRAWN (MGD)			PER CAP	WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)
		TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL		PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG	
HYDROLOGIC UNIT 0307																	
BAKER	2	11.0	3.8	7.2	4.1	0.0	4.1	0.56	0.0	0.56	137	0.48	0.0	0.0	0.08	0.0	0.13
COLUMBIA	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
DUVAL	2	3.3	3.3	0.0	2.1	0.0	2.1	0.22	0.0	0.22	105	0.22	0.0	0.0	0.0	0.0	0.03
NASSAU		31.1	10.8	20.3	13.5	0.0	13.5	3.07	0.0	3.07	227	1.80	0.0	0.91	0.36	0.0	2.23
UNIT TOTAL		45.8	17.9	27.9	19.7	0.0	19.7	3.85	0.0	3.85	195	2.50	0.0	0.91	0.44	0.0	2.39
HYDROLOGIC UNIT 0308																	
ALACHUA	3	108.5	73.9	34.6	85.2	0.0	85.2	15.76	0.0	15.76	185	8.77	0.0	0.61	6.38	0.0	8.09
BRADFORD	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
BREVARD		254.4	158.0	96.4	134.9	91.0	225.9	19.32	10.80	30.12	133	30.12	0.0	0.0	0.0	0.0	11.22
CLAY	2	49.2	13.4	35.8	31.8	0.0	31.8	4.99	0.0	4.99	157	4.91	0.0	0.0	0.05	0.02	0.88
DUVAL	2	569.9	569.9	0.0	522.6	0.0	522.6	93.38	0.0	93.38	179	68.49	0.0	7.18	12.73	4.97	23.40
FLAGLER		7.9	3.6	4.3	6.0	0.0	6.0	0.62	0.0	0.62	103	0.62	0.0	0.0	0.0	0.0	0.11
INDIAN RIVER		49.7	19.2	30.5	18.8	0.0	18.8	5.82	0.0	5.82	310	5.82	0.0	0.0	0.0	0.0	3.88
LAKE		75.7	34.1	41.6	34.0	0.0	34.0	8.12	0.0	8.12	239	5.16	0.0	0.21	2.75	0.0	3.79
LEVY	4	3.5	2.0	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	76.4	25.0	51.4	27.5	0.0	27.5	4.51	0.0	4.51	164	2.53	0.0	1.01	0.97	0.0	1.07
OKEECHOBEE	2	1.2	0.0	1.2	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
ORANGE	3	288.8	124.8	164.0	236.3	0.0	236.3	46.03	0.0	46.03	195	40.91	1.32	1.85	1.94	0.0	26.09
OSCEOLA	4	7.6	0.0	7.6	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
POLK	4	6.1	2.3	3.8	3.2	0.0	3.2	0.34	0.0	0.34	106	0.34	0.0	0.0	0.0	0.0	0.19
PUTNAM	2	44.6	12.9	31.7	14.9	0.0	14.9	3.14	0.0	3.14	211	3.14	0.0	0.0	0.0	0.0	1.51
ST JOHNS		42.8	14.2	28.6	21.2	0.0	21.2	2.89	0.0	2.89	136	2.70	0.0	0.19	0.0	0.0	0.04
ST LUCIE	2	42.7	32.4	10.3	36.1	0.0	36.1	6.11	0.0	6.11	169	5.69	0.0	0.12	0.30	0.0	2.76
SEMINOLE		142.2	73.2	69.0	64.5	0.0	64.5	12.55	0.0	12.55	195	11.33	0.0	0.25	0.97	0.0	5.75
SUMTER	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
VOLUSIA		219.2	140.3	78.9	156.0	0.0	156.0	26.58	0.0	26.58	170	23.41	0.0	1.53	1.37	0.27	9.84
UNIT TOTAL		1991.1	1299.2	691.9	1395.1	91.0	1486.1	250.59	10.80	261.39	176	214.37	1.32	12.96	27.48	5.26	98.71

Table 16.-- PUBLIC SUPPLY WATER USE IN FLORIDA --Continued

BY HYDROLOGIC UNITS, 1977

COUNTY	POPULATION (THSND)			POPULATION SERVED (THSND)			WATER WITHDRAWN (MGD)			PER CAP	WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)
	TOTAL	MUNIC	RURAL	GW	SW	ALL WTR	GW	SW	TOTAL		PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG	
HYDROLOGIC UNIT 0309																
BROWARD	902.5	755.9	146.6	881.7	0.0	881.7	155.85	0.0	155.85	177	116.23	18.05	7.52	11.15	2.90	63.18
CHARLOTTE	4 2.5	0.0	2.5	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
COLLIER	68.9	18.0	50.9	60.4	0.0	60.4	14.12	0.0	14.12	234	11.32	2.47	0.11	0.11	0.11	6.88
DADE	b 1668.3	789.5	878.8	1629.9	0.0	1629.9	c 274.19	0.0	c 274.19	168	234.99	0.0	13.00	15.72	10.48	167.88
GLADES	2 5.3	1.2	4.1	2.0	0.0	2.0	0.22	0.0	0.22	110	0.20	0.0	0.0	0.02	0.0	0.06
HENDRY	16.2	7.1	9.1	2.5	8.5	11.0	0.25	1.30	1.55	141	1.10	0.0	0.45	0.0	0.0	0.99
HIGHLANDS	4 39.7	16.4	23.3	24.4	0.0	24.4	3.73	0.0	3.73	153	3.50	0.0	0.06	0.17	0.0	2.23
LAKE	4 1.2	0.0	1.2	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
LEE	2 159.2	57.6	101.6	110.0	35.0	145.0	10.51	6.74	17.25	119	14.88	0.0	1.16	1.22	0.0	3.33
MARTIN	50.3	10.8	39.5	23.8	0.0	23.8	5.51	0.0	5.51	232	5.51	0.0	0.0	0.0	0.0	2.44
MONROE	55.1	26.6	28.5	54.9	0.0	54.9	e 7.20	0.0	e 7.20	131	6.48	0.0	0.0	0.72	0.0	1.85
OKEECHOBEE	2 16.9	4.0	12.9	0.0	8.2	8.2	0.0	1.34	1.34	163	1.21	0.0	0.0	0.13	0.0	0.42
ORANGE	3 136.5	53.1	83.4	102.8	0.0	102.8	f 21.22	0.0	f 21.22	206	20.12	0.0	0.58	0.53	0.0	10.57
OSCEOLA	4 30.3	17.8	12.5	19.0	0.0	19.0	3.96	0.0	3.96	208	3.58	0.0	0.38	0.0	0.0	1.13
PALM BEACH	505.6	343.6	162.0	297.3	119.7	417.0	66.07	30.24	96.31	231	76.44	0.0	6.69	6.86	6.32	28.71
POLK	4 39.5	6.3	33.2	4.6	0.0	4.6	0.47	0.0	0.47	102	0.47	0.0	0.0	0.0	0.0	0.27
ST LUCIE	2 30.9	5.9	25.0	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	3728.9	2113.8	1615.1	3219.7	171.4	3391.1	563.84	39.62	603.46	178	496.56	20.53	29.94	36.63	19.81	290.05
HYDROLOGIC UNIT 0310																
CHARLOTTE	4 41.8	6.3	35.5	0.0	10.5	10.5	0.0	1.92	1.92	183	1.63	0.0	0.0	0.29	0.0	0.92
CITRUS	38.6	5.8	32.8	5.5	0.0	5.5	0.66	0.0	0.66	120	0.43	0.0	0.0	0.23	0.0	0.43
DESOTO	18.0	6.0	12.0	7.0	0.0	7.0	0.74	0.0	0.74	106	0.67	0.0	0.04	0.03	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	0.0	0.0	0.0	0.0	0.0
HARDEE	17.4	6.1	11.3	6.9	0.0	6.9	1.02	0.0	1.02	148	0.87	0.0	0.01	0.14	0.0	0.24
HERNANDO	32.2	5.3	26.9	5.3	0.0	5.3	0.92	0.0	0.92	174	0.92	0.0	0.0	0.0	0.0	0.10
HIGHLANDS	4 1.4	0.0	1.4	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
HILLSBOROUGH	602.7	300.0	302.7	100.2	419.5	519.7	d 13.42	56.64	d 70.06	135	38.99	0.0	7.99	23.08	0.0	12.94
LAKE	4 15.2	14.2	1.0	8.3	0.0	8.3	1.82	0.0	1.82	219	1.82	0.0	0.0	0.0	0.0	0.65
LEE	2 13.1	2.9	10.2	11.0	0.0	11.0	1.76	0.0	1.76	160	1.76	0.0	0.0	0.0	0.0	0.44
LEVY	4 1.3	1.0	0.3	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	129.3	47.1	82.2	0.0	83.0	83.0	0.0	22.36	22.36	269	14.14	0.0	7.87	0.35	0.0	14.77
MARION	5 24.4	10.9	13.5	10.5	0.0	10.5	1.57	0.0	1.57	150	0.97	0.0	0.30	0.30	0.0	0.52
PASCO	142.3	20.7	121.6	26.8	0.0	26.8	g 3.57	0.0	g 3.57	133	3.45	0.0	0.0	0.12	0.0	1.49
PINELLAS	687.2	513.1	174.1	659.3	0.0	659.3	h 88.68	0.0	h 88.68	135	65.92	0.0	2.66	15.87	4.23	16.75
POLK	4 234.0	115.0	119.0	178.9	0.0	178.9	29.56	0.0	29.56	165	27.33	0.82	0.52	0.88	0.0	17.27
SARASOTA	170.6	68.0	102.6	91.0	12.6	103.6	9.58	1.26	10.84	105	7.38	0.64	0.30	2.32	0.21	2.70
SUMTER	2 21.3	6.2	15.1	7.3	0.0	7.3	0.92	0.0	0.92	126	0.86	0.0	0.0	0.06	0.0	0.13
UNIT TOTAL	2190.8	1128.6	1062.2	1119.1	525.6	1644.7	154.33	82.18	236.51	144	167.25	1.47	19.70	43.66	4.44	69.38

Table 16.-- PUBLIC SUPPLY WATER USE IN FLORIDA --Continued

BY HYDROLOGIC UNITS, 1977

COUNTY		POPULATION (THSND)			POPULATION SERVED (THSND)				WATER WITHDRAWN (MGD)			PER CAP	WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)
		TOTAL	MUNIC	RURAL	GW	SW	ALL	WTR	GW	SW	TOTAL		PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG	
HYDROLOGIC UNIT 0311																		
ALACHUA	3	25.3	8.3	17.0	6.1	0.0	6.1	0.76	0.0	0.76	125	0.70	0.02	0.01	0.03	0.0	0.15	
BAKER	2	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	
BRADFORD	2	16.5	6.7	9.8	6.2	0.0	6.2	1.08	0.0	1.08	174	0.87	0.0	0.0	0.21	0.0	0.20	
CLAY	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	
COLUMBIA	2	29.0	10.6	18.4	12.6	0.0	12.6	1.84	0.0	1.84	146	1.05	0.0	0.18	0.52	0.09	0.31	
DIXIE		7.0	2.6	4.4	3.4	0.0	3.4	0.48	0.0	0.48	141	0.42	0.0	0.0	0.06	0.0	0.29	
GILCHRIST		5.7	1.7	4.0	1.5	0.0	1.5	0.53	0.0	0.53	353	0.36	0.07	0.0	0.10	0.0	0.44	
HAMILTON		8.7	3.5	5.2	4.9	0.0	4.9	0.81	0.0	0.81	165	0.70	0.0	0.01	0.10	0.0	0.26	
JEFFERSON	4	5.2	1.2	4.0	1.5	0.0	1.5	0.28	0.0	0.28	187	0.18	0.01	0.07	0.02	0.0	0.07	
LAFAYETTE		3.8	0.8	3.0	0.9	0.0	0.9	0.17	0.0	0.17	189	0.14	0.0	0.0	0.03	0.0	0.04	
LEVY	4	11.1	4.1	7.0	4.3	0.0	4.3	0.51	0.0	0.51	119	0.48	0.0	0.0	0.03	0.0	0.11	
MADISON		14.3	5.0	9.3	6.4	0.0	6.4	1.09	0.0	1.09	170	0.75	0.0	0.29	0.05	0.0	0.32	
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		20.3	7.9	12.4	7.7	0.0	7.7	1.23	0.0	1.23	160	0.93	0.03	0.01	0.26	0.0	0.51	
TAYLOR		14.4	7.6	6.8	9.2	0.0	9.2	1.67	0.0	1.67	182	1.27	0.0	0.0	0.36	0.04	0.97	
UNION		10.2	2.2	8.0	6.2	0.0	6.2	0.56	0.0	0.56	90	0.24	0.0	0.26	0.06	0.0	0.16	
UNIT TOTAL		174.7	62.2	112.5	70.9	0.0	70.9	11.01	0.0	11.01	155	8.08	0.14	0.84	1.82	0.13	3.83	
HYDROLOGIC UNIT 0312																		
FRANKLIN	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	
GADSDEN	2	31.1	13.0	18.1	6.1	7.7	13.8	0.69	1.48	2.17	157	1.94	0.0	0.0	0.23	0.0	1.19	
JEFFERSON	4	4.4	1.3	3.1	1.5	0.0	1.5	0.29	0.0	0.29	193	0.19	0.01	0.08	0.02	0.0	0.07	
LEON		135.2	86.4	48.8	93.7	0.0	93.7	17.03	0.0	17.03	182	13.97	0.0	0.0	3.06	0.0	4.64	
LIBERTY	2	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
WAKULLA		9.1	0.7	8.4	4.9	0.0	4.9	0.36	0.0	0.36	73	0.36	0.0	0.0	0.00	0.0	0.06	
UNIT TOTAL		180.8	101.4	79.4	106.2	7.7	113.9	18.37	1.48	19.85	174	16.46	0.01	0.08	3.31	0.0	5.96	

Table 16.-- PUBLIC SUPPLY WATER USE IN FLORIDA --Continued

BY HYDROLOGIC UNITS, 1977

COUNTY	POPULATION (THSND)				POPULATION SERVED (THSND)				WATER WITHDRAWN (MGD)			WATER DELIVERED (MGD) BY USES					WATER CONSUMED (MGD)
	TOTAL	MUNIC	RURAL		GW	SW	ALL WTR	GW	SW	TOTAL	PER CAP	PUBLIC SUPPLY	AGRIC- ULTURE	INDU- STRY	COMM- ERCIAL	AIR CONDNG	
HYDROLOGIC UNIT 0313																	
BAY	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
CALHOUN	2	8.4	3.1	5.3	3.1	0.0	3.1	0.32	0.0	0.32	103	0.21	0.0	0.0	0.11	0.0	0.07
FRANKLIN	2	7.9	4.2	3.7	6.3	0.0	6.3	1.11	0.0	1.11	176	0.81	0.0	0.06	0.24	0.0	0.22
GADSDEN	2	6.2	5.1	1.1	3.3	0.0	3.3	0.39	0.0	0.39	118	0.31	0.0	0.0	0.08	0.0	0.13
GULF	2	3.4	1.1	2.3	0.7	0.0	0.7	0.05	0.0	0.05	71	0.05	0.0	0.0	0.00	0.0	0.01
JACKSON	2	32.3	12.2	20.1	12.7	0.0	12.7	1.55	0.0	1.55	122	1.33	0.02	0.01	0.17	0.01	0.53
LIBERTY	2	3.4	0.7	2.7	1.3	0.0	1.3	0.09	0.0	0.09	69	0.07	0.01	0.0	0.01	0.0	0.01
WASHINGTON	2	0.5	0.0	0.5	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
UNIT TOTAL		62.3	26.4	35.9	27.4	0.0	27.4	3.51	0.0	3.51	128	2.78	0.03	0.07	0.61	0.01	0.97
HYDROLOGIC UNIT 0314																	
BAY	2	95.2	66.9	28.3	12.8	66.3	79.1	2.91	36.05	38.96	493	9.30	0.0	26.76	2.90	0.0	13.91
CALHOUN	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
ESCAMBIA		229.5	68.6	160.9	187.7	0.0	187.7	30.48	0.0	30.48	162	23.81	0.07	1.25	5.35	0.0	15.44
GULF	2	7.6	5.3	2.3	1.3	3.5	4.8	0.11	0.72	0.83	173	0.49	0.0	0.31	0.03	0.0	0.17
HOLMES		13.9	3.7	10.2	3.7	0.0	3.7	0.60	0.0	0.60	162	0.52	0.03	0.01	0.05	0.0	0.31
JACKSON	2	6.3	3.2	3.1	3.5	0.0	3.5	0.44	0.0	0.44	126	0.38	0.0	0.04	0.02	0.0	0.09
OKALOOSA		106.8	49.8	57.0	77.7	0.0	77.7	12.79	0.0	12.79	165	11.44	0.13	0.0	1.22	0.0	4.53
SANTA ROSA		50.0	14.5	35.5	40.7	0.0	40.7	4.39	0.0	4.39	108	3.79	0.11	0.0	0.49	0.0	1.27
WALTON		19.0	6.5	12.5	9.8	0.0	9.8	0.99	0.0	0.99	101	0.78	0.0	0.02	0.17	0.01	0.38
WASHINGTON	2	14.1	5.8	8.3	6.3	0.0	6.3	0.78	0.0	0.78	124	0.69	0.02	0.0	0.07	0.0	0.10
UNIT TOTAL		542.8	224.3	318.5	343.5	69.8	413.3	53.49	36.77	90.26	218	51.20	0.35	28.38	10.31	0.01	36.20
STATE TOTAL		8917.2	4973.8	3943.4	6301.6	865.5	7167.1	1058.99	170.85	1229.84	172	959.19	23.84	92.88	124.26	29.67	507.49

a Includes 16.0 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 27.96 Mgal/d exported to Pinellas County

e Includes 5.96 Mgal/d imported from Dade County and 1.24 Mgal/d produced by the desalination plant at Stock Island, Florida

f Does not include 16.0 Mgal/d exported to Brevard County

g Does not include 18.1 Mgal/d exported to Pinellas County

h Includes 27.96 Mgal/d exported from Hillsborough County and 18.1 Mgal/d exported from Pasco County

Table 17.-- R U R A L W A T E R U S E I N F L O R I D A

BY HYDROLOGIC UNITS, 1977

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSNDS.)	DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)				
			SW	WITHDRAWN GW	ALL WATER	CONSUMED	SW	WITHDRAWN GW	ALL WATER	CONSUMED	SW	WITHDRAWN GW	ALL WATER	CONSUMED	
HYDROLOGIC UNIT 0307															
BAKER	2	6.9	0.0	0.69	0.69	0.17	0.70	0.50	1.20	1.20	0.70	1.19	1.89	1.37	
COLUMBIA	2	0.4	0.0	0.04	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.04	0.04	0.01	
DUVAL	2	1.2	0.0	0.15	0.15	0.04	1.61	0.40	2.01	2.01	1.61	0.55	2.16	2.05	
NASSAU		17.6	0.0	2.36	2.36	0.50	1.44	1.44	2.88	2.88	1.44	3.80	5.24	3.38	
UNIT TOTAL		26.1	0.0	3.24	3.24	0.72	3.75	2.34	6.09	6.09	3.75	5.58	9.33	6.81	
HYDROLOGIC UNIT 0308															
ALACHUA	3	23.3	0.0	2.53	2.53	0.63	0.36	0.39	0.75	0.75	0.36	2.92	3.28	1.38	
BRADFORD	2	0.4	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		28.5	0.0	2.84	2.84	0.71	0.38	0.53	0.91	0.91	0.38	3.37	3.75	1.62	
CLAY	2	17.4	0.0	1.81	1.81	0.45	1.34	1.34	2.68	2.68	1.34	3.15	4.49	3.13	
DUVAL	2	47.3	0.0	6.30	6.30	1.58	0.44	0.11	0.55	0.55	0.44	6.41	6.85	2.13	
FLAGLER		1.9	0.0	0.28	0.28	0.07	0.05	0.08	0.13	0.13	0.05	0.36	0.41	0.20	
INDIAN RIVER		30.9	0.0	3.12	3.12	0.78	0.54	0.06	0.60	0.60	0.54	3.18	3.72	1.38	
LAKE		41.7	0.0	4.59	4.59	1.15	0.18	0.18	0.36	0.36	0.18	4.77	4.95	1.51	
LEVY	4	1.4	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	48.9	0.0	5.48	5.48	1.37	0.0	1.74	1.74	1.74	0.0	7.22	7.22	3.11	
OKEFCHOBEE	2	1.2	0.0	0.15	0.15	0.03	0.33	0.51	0.84	0.84	0.33	0.66	0.99	0.87	
ORANGE	3	52.5	0.0	5.25	5.25	1.31	0.06	0.49	0.55	0.55	0.06	5.74	5.80	1.86	
OSCEOLA	4	7.6	0.0	0.79	0.79	0.19	1.22	0.0	1.22	1.22	1.22	0.79	2.01	1.41	
POLK	4	2.9	0.0	0.28	0.28	0.07	0.0	0.07	0.07	0.07	0.0	0.35	0.35	0.14	
PUTNAM	2	29.7	0.0	3.02	3.02	0.76	0.29	0.29	0.58	0.58	0.29	3.31	3.60	1.34	
ST JOHNS		21.6	0.0	2.67	2.67	0.67	0.05	0.19	0.24	0.24	0.05	2.86	2.91	0.91	
ST LUCIE	2	6.6	0.0	0.70	0.70	0.18	0.02	0.15	0.17	0.17	0.02	0.85	0.87	0.35	
SEMINOLE		77.7	0.0	8.63	8.63	2.16	0.0	0.23	0.23	0.23	0.0	8.86	8.86	2.39	
SUMTER	2	0.3	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		63.2	0.0	6.35	6.35	2.03	0.70	0.08	0.78	0.78	0.70	6.43	7.13	2.81	
UNIT TOTAL		505.0	0.0	54.97	54.97	14.19	5.96	6.55	12.51	12.51	5.96	61.52	67.48	26.70	

Table 17.-- R U R A L W A T E R U S E I N F L O R I D A --Continued

BY HYDROLOGIC UNITS, 1977

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSND)	DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)				
			SW	WITHDRAWN GW	ALL WATER	CONSUMED	SW	WITHDRAWN GW	ALL WATER	CONSUMED	SW	WITHDRAWN GW	ALL WATER	CONSUMED	
HYDROLOGIC UNIT 0309															
BROWARD		20.8	0.0	3.12	3.12	0.92	0.44	0.09	0.53	0.53	0.44	3.21	3.65	1.45	
CHARLOTTE	4	2.5	0.0	0.17	0.17	0.04	0.0	0.11	0.11	0.11	0.0	0.28	0.28	0.15	
COLLIER		8.5	0.45	0.61	1.06	0.16	0.0	0.31	0.31	0.31	0.45	0.92	1.37	0.47	
DADE		38.4	0.0	3.98	3.98	2.95	0.0	0.15	0.15	0.15	0.0	4.13	4.13	3.10	
GLADES	2	3.3	0.0	0.42	0.42	0.11	1.14	0.13	1.27	1.27	1.14	0.55	1.69	1.38	
HENDRY		5.2	0.0	0.62	0.62	0.09	0.90	3.96	4.86	4.86	0.90	4.58	5.48	4.95	
HIGHLANDS	4	15.3	0.0	1.52	1.52	0.38	0.0	1.82	1.82	1.82	0.0	3.34	3.34	2.20	
LAKE	4	1.2	0.0	0.18	0.18	0.04	0.0	0.0	0.0	0.0	0.0	0.18	0.18	0.04	
LEE	2	14.2	0.0	2.24	2.24	0.30	0.04	0.31	0.35	0.35	0.04	2.55	2.59	0.65	
MARTIN		26.5	0.0	2.66	2.66	0.66	0.10	0.55	0.65	0.65	0.10	3.21	3.31	1.31	
MONROE		0.2	0.0	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.02	0.01	
OKEECHOBEE	2	8.7	0.0	1.25	1.25	0.22	2.27	3.49	5.76	5.76	2.27	4.74	7.01	5.98	
ORANGE	3	33.7	0.0	3.37	3.37	0.84	0.01	0.10	0.11	0.11	0.01	3.47	3.48	0.95	
OSCEOLA	4	11.3	0.0	3.18	3.18	0.64	0.59	0.0	0.59	0.59	0.59	3.18	3.77	1.23	
PALM BEACH		88.6	0.45	13.36	13.81	3.33	0.95	1.21	2.16	2.16	1.40	14.57	15.97	5.49	
POLK	4	34.9	0.0	3.44	3.44	0.86	0.04	0.75	0.79	0.79	0.04	4.19	4.23	1.65	
ST LUCIE	2	24.5	0.0	3.94	3.94	0.98	0.16	0.75	0.91	0.91	0.16	4.69	4.85	1.89	
UNIT TOTAL		337.8	0.90	44.08	44.98	12.53	6.64	13.73	20.37	20.37	7.54	57.81	65.35	32.90	
HYDROLOGIC UNIT 0310															
CHARLOTTE	4	31.3	0.0	1.06	1.06	0.27	0.0	0.27	0.27	0.27	0.0	1.33	1.33	0.54	
CITRUS		33.1	0.0	3.60	3.60	0.90	0.0	0.11	0.11	0.11	0.0	3.71	3.71	1.01	
DESOTO		11.0	0.0	1.12	1.12	0.28	0.0	1.04	1.04	1.04	0.0	2.16	2.16	1.32	
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		10.5	0.0	1.05	1.05	0.26	0.0	1.18	1.18	1.18	0.0	2.23	2.23	1.44	
HERNANDO		26.9	0.0	2.69	2.69	0.67	0.05	0.39	0.44	0.44	0.05	3.08	3.13	1.11	
HIGHLANDS	4	1.4	0.0	0.14	0.14	0.03	0.0	0.16	0.16	0.16	0.0	0.30	0.30	0.19	
HILLSBOROUGH		83.0	0.0	8.73	8.73	1.96	0.0	4.39	4.39	4.39	0.0	13.12	13.12	6.35	
LAKE	4	6.9	0.0	1.12	1.12	0.28	0.06	0.06	0.12	0.12	0.06	1.18	1.24	0.40	
LEE	2	2.1	0.0	0.20	0.20	0.05	0.0	0.04	0.04	0.04	0.0	0.24	0.24	0.09	
LEVY	4	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	
MANATEE		46.3	0.0	4.68	4.68	1.17	0.20	1.80	2.00	2.00	0.20	6.48	6.68	3.17	
MARION	5	13.9	0.0	1.96	1.96	0.49	0.0	0.16	0.16	0.16	0.0	2.12	2.12	0.65	
PASCO		115.5	0.0	11.55	11.55	2.89	0.0	1.80	1.80	1.80	0.0	13.35	13.35	4.69	
PINELLAS		27.9	0.0	2.91	2.91	1.61	0.02	0.54	0.56	0.56	0.02	3.45	3.47	2.17	
POLK	4	55.1	0.0	5.58	5.58	1.40	0.07	1.22	1.29	1.29	0.07	6.80	6.87	2.69	
SARASOTA		67.0	0.0	6.70	6.70	1.68	0.19	0.28	0.47	0.47	0.19	6.98	7.17	2.15	
SUMTER	2	14.0	0.0	1.43	1.43	0.36	0.0	0.73	0.73	0.73	0.0	2.16	2.16	1.09	
UNIT TOTAL		546.1	0.0	54.54	54.54	14.31	0.59	14.18	14.77	14.77	0.59	68.72	69.31	29.08	

Table 17.-- R U R A L W A T E R U S E I N F L O R I D A --Continued

BY HYDROLOGIC UNITS, 1977

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSND)	DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)				
			SW	WITHDRAWN GW	ALL WATER	CONSUMED	SW	WITHDRAWN GW	ALL WATER	CONSUMED	SW	WITHDRAWN GW	ALL WATER	CONSUMED	
HYDROLOGIC UNIT 0311															
ALACHUA	3	19.2	0.0	1.55	1.55	0.39	0.26	0.46	0.72	0.72	0.26	2.01	2.27	1.11	
BAKER	2	1.7	0.0	0.17	0.17	0.04	0.02	0.02	0.04	0.04	0.02	0.19	0.21	0.08	
BRADFORD	2	10.3	0.0	1.25	1.25	0.25	0.04	0.74	0.78	0.78	0.04	1.99	2.03	1.03	
CLAY	2	1.1	0.0	0.09	0.09	0.02	0.0	0.0	0.0	0.0	0.0	0.09	0.09	0.02	
COLUMBIA	2	16.4	0.0	1.69	1.69	0.42	0.10	0.43	0.53	0.53	0.10	2.12	2.22	0.95	
DIXIE		3.6	0.0	0.36	0.36	0.07	0.06	0.06	0.12	0.12	0.06	0.42	0.48	0.19	
GILCHRIST		4.2	0.0	0.43	0.43	0.11	0.21	0.40	0.61	0.61	0.21	0.83	1.04	0.72	
HAMILTON		3.8	0.0	0.38	0.38	0.10	0.10	0.15	0.25	0.25	0.10	0.53	0.63	0.35	
JEFFERSON	4	3.7	0.0	0.37	0.37	0.07	0.06	0.27	0.33	0.33	0.06	0.64	0.70	0.40	
LAFAYETTE		2.9	0.0	0.29	0.29	0.07	0.02	1.20	1.22	1.22	0.02	1.49	1.51	1.29	
LEVY	4	6.8	0.0	0.71	0.71	0.17	0.49	0.25	0.74	0.74	0.49	0.96	1.45	0.91	
MADISON		7.9	0.0	0.83	0.83	0.21	0.10	0.58	0.68	0.68	0.10	1.41	1.51	0.89	
MARION	5	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	
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		12.6	0.0	1.29	1.29	0.32	0.01	1.27	1.28	1.28	0.01	2.56	2.57	1.60	
TAYLOR		5.2	0.0	0.53	0.53	0.13	0.14	0.13	0.27	0.27	0.14	0.66	0.80	0.40	
UNION		4.0	0.0	0.40	0.40	0.10	0.05	0.10	0.15	0.15	0.05	0.50	0.55	0.25	
UNIT TOTAL		103.8	0.0	10.38	10.38	2.48	1.66	6.06	7.72	7.72	1.66	16.44	18.10	10.20	
HYDROLOGIC UNIT 0312															
FRANKLIN	2	0.2	0.0	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.02	0.01	
GADSDEN	2	17.3	0.10	1.71	1.81	0.43	0.04	0.0	0.04	0.04	0.14	1.71	1.85	0.47	
JEFFERSON	4	2.9	0.0	0.28	0.28	0.05	0.02	0.10	0.12	0.12	0.02	0.38	0.40	0.17	
LEON		41.5	0.0	4.30	4.30	1.08	0.14	0.06	0.20	0.20	0.14	4.36	4.50	1.28	
LIBERTY	2	0.8	0.0	0.08	0.08	0.02	0.0	0.0	0.0	0.0	0.0	0.08	0.08	0.02	
WAKULLA		4.2	0.0	0.45	0.45	0.11	0.03	0.02	0.05	0.05	0.03	0.47	0.50	0.16	
UNIT TOTAL		66.9	0.10	6.84	6.94	1.70	0.23	0.18	0.41	0.41	0.33	7.02	7.35	2.11	

Table 17.-- R U R A L W A T E R U S E I N F L O R I D A --Continued

BY HYDROLOGIC UNITS, 1977

COUNTY		SELF-SUPPLIED COUNTY POPULATION (THSND5)	DOMESTIC USE (MGD)				LIVESTOCK USE (MGD)				ALL USES (MGD)			
			SW	WITHDRAWN GW	ALL WATER CONSUMED	CONSUMED	SW	WITHDRAWN GW	ALL WATER CONSUMED	CONSUMED	SW	WITHDRAWN GW	ALL WATER CONSUMED	
HYDROLOGIC UNIT 0313														
BAY	2	0.2	0.0	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.02	0.01
CALHOUN	2	5.3	0.01	0.51	0.52	0.13	0.0	0.04	0.04	0.04	0.01	0.55	0.56	0.17
FRANKLIN	2	1.6	0.0	0.18	0.18	0.04	0.01	0.01	0.02	0.02	0.01	0.19	0.20	0.06
GADSDEN	2	2.9	0.0	0.37	0.37	0.09	0.21	0.07	0.28	0.28	0.21	0.44	0.65	0.37
GULF	2	2.7	0.0	0.35	0.35	0.09	0.03	0.01	0.04	0.04	0.03	0.36	0.39	0.13
JACKSON	2	19.6	0.0	2.20	2.20	0.55	0.26	0.10	0.36	0.36	0.26	2.30	2.56	0.91
LIBERTY	2	2.1	0.0	0.21	0.21	0.05	0.03	0.01	0.04	0.04	0.03	0.22	0.25	0.09
WASHINGTON	2	0.5	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		34.9	0.01	3.86	3.87	0.97	0.54	0.24	0.78	0.78	0.55	4.10	4.65	1.75
HYDROLOGIC UNIT 0314														
BAY	2	16.1	0.0	1.74	1.74	0.43	0.01	0.02	0.03	0.03	0.01	1.76	1.77	0.46
CALHOUN	2	0.4	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		41.8	0.0	4.18	4.18	0.92	0.04	0.15	0.19	0.19	0.04	4.33	4.37	1.11
GULF	2	2.8	0.0	0.21	0.21	0.05	0.01	0.01	0.02	0.02	0.01	0.22	0.23	0.07
HOLMES		10.2	0.0	1.16	1.16	0.29	0.25	0.28	0.53	0.53	0.25	1.44	1.69	0.82
JACKSON	2	2.8	0.0	0.39	0.39	0.10	0.07	0.03	0.10	0.10	0.07	0.42	0.49	0.20
OKALOOSA		29.1	0.0	3.15	3.15	0.79	0.12	0.03	0.15	0.15	0.12	3.18	3.30	0.94
SANTA ROSA		9.3	0.0	1.18	1.18	0.30	0.08	0.06	0.14	0.14	0.08	1.24	1.32	0.44
WALTON		9.2	0.0	0.95	0.95	0.24	0.10	0.07	0.17	0.17	0.10	1.02	1.12	0.41
WASHINGTON	2	7.8	0.0	0.91	0.91	0.23	0.02	0.07	0.09	0.09	0.02	0.98	1.00	0.32
UNIT TOTAL		129.5	0.0	13.90	13.90	3.36	0.70	0.72	1.42	1.42	0.70	14.62	15.32	4.78
STATE TOTAL		1750.1	1.01	191.81	192.82	50.26	20.07	44.00	64.07	64.07	21.08	235.81	256.89	114.33

Table 18.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA
BY HYDROLOGIC UNITS, 1977

		WATER WITHDRAWN (MGD)						FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)								
COUNTY		GROUND FRESH	WATER SALINE	SURFACE FRESH	WATER SALINE	ALL FRESH	WATER SALINE	WATER CON SUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
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		58.11	0.0	0.0	2.00	58.11	2.00	53.19	0.0	57.82	0.0	0.0	0.0	0.29	2.00	0.0
UNIT TOTAL		58.43	0.0	0.0	2.00	58.43	2.00	53.35	0.0	57.82	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	4.69	0.0	4.30	0.0	8.99	0.0	2.16	0.0	0.0	8.80	0.0	0.0	0.0	0.0	0.19
DUVAL	2	48.23	0.0	14.14	0.0	62.37	0.0	8.88	0.0	20.38	1.76	0.0	0.0	0.45	14.09	25.69
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	0.31	0.0	0.0	0.0	0.31	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31
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	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
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		105.21	0.0	40.04	0.0	145.25	0.0	39.54	0.0	54.91	10.66	0.0	25.22	3.98	19.79	30.69

Table 18.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA --Continued

BY HYDROLOGIC UNITS, 1977

COUNTY		WATER WITHDRAWN (MGD)						FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)								
		GROUND FRESH	WATER SALINE	SURFACE FRESH	WATER SALINE	ALL FRESH	WATER SALINE	CON SUMED	LM RK MINING	PULPA PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
HYDROLOGIC UNIT 0309																
BROWARD		2.98	0.0	1.00	0.0	3.98	0.0	1.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.98
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		6.73	0.0	0.0	0.0	6.73	0.0	4.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.73
GLADES	2	0.66	0.0	21.60	0.0	22.26	0.0	2.82	0.0	0.0	0.0	0.0	0.0	22.26	0.0	0.0
HENDRY		0.25	0.0	0.71	0.0	0.96	0.0	0.35	0.0	0.0	0.0	0.0	0.25	0.71	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		0.10	0.0	0.0	0.0	0.10	0.0	0.10	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
OKEFCHOBEE	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		2.18	0.0	45.43	0.0	47.61	0.0	12.52	0.0	0.0	1.25	0.0	0.0	44.86	0.0	1.50
POLK	4	5.54	0.0	0.0	0.0	5.54	0.0	2.52	0.0	0.0	0.0	0.0	5.35	0.19	0.0	0.0
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		30.35	0.0	76.74	0.0	107.09	0.0	27.16	8.00	0.0	1.25	0.0	7.94	68.07	0.40	21.41
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		1.10	0.0	0.0	0.0	1.10	0.0	0.11	0.0	0.0	0.0	0.0	0.74	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		9.94	0.0	0.0	0.0	9.94	0.0	2.51	0.0	0.0	0.0	9.29	0.0	0.64	0.0	0.01
HERNANDO		33.76	0.0	0.0	0.0	33.76	0.0	8.53	23.43	0.0	0.0	0.0	0.0	0.17	0.0	10.16
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		26.76	56.65	7.40	0.0	34.16	56.65	10.80	0.0	0.0	16.87	11.52	0.10	4.35	0.34	57.63
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		3.35	0.0	0.0	0.0	3.35	0.0	0.47	0.0	0.0	0.0	0.31	1.51	0.88	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		13.19	0.0	0.0	0.0	13.19	0.0	6.45	0.0	0.0	0.0	0.0	12.30	0.73	0.0	0.16
PINELLAS		1.28	0.0	0.0	0.0	1.28	0.0	0.56	0.0	0.0	0.16	0.0	0.39	0.24	0.0	0.49
POLK	4	227.87	0.0	0.0	0.0	227.87	0.0	69.98	0.0	0.0	73.91	133.80	11.55	8.36	0.0	0.25
SARASOTA		2.92	0.0	0.0	0.0	2.92	0.0	0.59	0.0	0.0	0.0	0.0	0.02	0.13	1.80	0.97
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		337.65	56.65	7.40	0.0	345.05	56.65	103.91	40.46	0.0	90.98	154.92	26.75	15.88	2.75	69.96

Table 18.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA --Continued

BY HYDROLOGIC UNITS, 1977

		WATER WITHDRAWN (MGD)						FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)								
COUNTY		GROUND FRESH	WATER SALINE	SURFACE FRESH	WATER SALINE	ALL FRESH	WATER SALINE	WATER CON- SUMED	LM RK MINING	PULP& PAPER	CHEML PRODS	PHSPHT MINING	CITRUS PROC	FOOD PROC	A/C	OTHER
HYDROLOGIC UNIT 0311																
ALACHUA	3	1.95	0.0	0.0	0.0	1.95	0.0	1.45	0.0	0.0	0.0	0.0	0.0	0.45	0.0	1.50
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	3.37	0.0	0.0	0.0	3.37	0.0	2.83	0.0	0.0	2.00	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	0.31	0.0	0.0	0.0	0.31	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31
DIXIE		0.48	0.0	4.30	0.0	4.78	0.0	0.17	0.0	0.0	4.57	0.0	0.0	0.0	0.0	0.21
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		28.80	0.0	0.0	0.0	28.80	0.0	4.40	0.0	0.0	2.50	a 26.30	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		1.98	0.0	0.0	0.0	1.98	0.0	0.14	1.03	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		93.97	0.0	4.30	0.0	98.27	0.0	20.15	1.03	56.00	9.07	26.30	0.0	1.36	0.0	4.51
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	0.10	0.0	0.19	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.13
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		30.60	0.0	0.0	0.0	30.60	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	29.38	1.22
LIBERTY	2	0.33	0.0	0.0	0.0	0.33	0.0	0.11	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.18
WAKULLA		0.78	0.0	0.0	0.0	0.78	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78
UNIT TOTAL		31.82	0.0	0.10	0.0	31.92	0.0	1.74	0.0	0.0	0.15	0.0	0.0	0.0	29.44	2.33

Table 18.-- INDUSTRIAL SELF-SUPPLIED WATER USE IN FLORIDA --Continued

BY HYDROLOGIC UNITS, 1977

		WATER WITHDRAWN (MGD)							FRESH WATER USE BY MAJOR CLASSIFICATIONS (MGD)							
COUNTY		GROUND FRESH	WATER SALINE	SURFACE FRESH	WATER SALINE	ALL FRESH	WATER SALINE	CON SUMED	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	1.85	0.0	1.85	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.85
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	0.49	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	1.85	0.0	3.02	0.0	1.41	0.0	0.0	0.0	0.0	0.0	0.01	0.0	3.01
HYDROLOGIC UNIT 0314																
BAY	2	1.32	0.0	0.0	0.0	1.32	0.0	0.97	0.0	0.12	0.72	0.0	0.0	0.21	0.0	0.27
ESCAMBIA		47.36	1.60	25.60	0.24	72.96	1.84	21.96	0.0	24.86	39.66	0.0	0.0	0.0	0.24	10.04
GULF	2	0.52	0.0	33.20	13.00	33.72	13.00	7.11	0.0	31.70	15.00	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		5.45	0.0	0.0	0.0	5.45	0.0	1.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.45
SANTA ROSA		18.99	0.0	0.0	0.0	18.99	0.0	15.92	0.0	0.0	8.36	0.0	0.0	0.0	0.64	9.99
WALTON		0.80	0.0	0.0	0.0	0.80	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.80	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		74.46	1.60	58.80	13.24	133.26	14.84	47.39	0.0	56.68	63.74	0.0	0.0	1.01	0.88	25.79
STATE TOTAL		733.06	58.25	189.23	15.24	922.29	73.49	294.65	49.49	225.41	175.85	181.22	59.91	90.60	55.27	158.01

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

Table 19.-- 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 HYDROLOGIC UNITS, 1977

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	280	0	0	30	0	0	600	910
COLUMBIA	2	0	0	0	0	0	0	0	0	0
DUVAL	2	0	0	40	0	0	0	0	2	42
NASSAU		0	5	0	0	0	0	0	20	25
UNIT TOTAL		0	285	40	0	30	0	0	622	977
HYDROLOGIC UNIT 0308										
ALACHUA	3	100	1395	687	0	96	803	921	1632	5634
BRADFORD	2	0	0	0	0	0	0	0	0	0
BREVARD		10500	200	60000	0	0	0	0	200	70900
CLAY	2	0	140	300	0	0	0	0	0	440
DUVAL	2	0	0	0	0	0	0	0	2338	2338
FLAGLER		0	4050	0	0	0	0	0	0	4050
INDIAN RIVER		49647	0	20000	0	0	0	0	1700	71347
LAKE		61350	14408	8800	0	0	0	0	91	84649
LEVY	4	0	30	24	0	18	150	150	60	432
MARION	5	6500	2703	0	0	13	347	892	4193	14648
OKEECHOBEE	2	600	115	5700	0	0	0	15	0	6430
ORANGE	3	17620	17500	1247	0	0	0	0	0	36367
OSCEOLA	4	420	160	1709	0	0	0	0	0	2289
POLK	4	2550	30	120	0	0	0	10	67	2777
PUTNAM	2	1167	5500	3500	0	0	1500	0	7500	19167
ST JOHN'S		50	20100	200	0	0	1000	0	3100	24450
ST LUCIE	2	11600	120	3000	0	0	0	30	120	14870
SEMINOLE		5000	4000	2000	0	0	400	0	0	11400
SUMTER	2	7	35	15	0	0	0	30	5	92
VOLUSIA		1000	400	0	0	0	0	0	2000	3400
UNIT TOTAL		168111	70886	107302	0	127	4200	2048	23006	375680

Table 19.-- 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 --Continued

BY HYDROLOGIC UNITS, 1977

IRRIGATION BY CROP TYPE (ACRES IRRIGATED)

COUNTY		CITRUS	TRUCK FARMING	PASTURE	SUGAR CANE	TOBACCO	CORN	WATER- MELONS	OTHER	TOTAL
HYDROLOGIC UNIT 0309										
BROWARD		500	4200	0	0	0	0	0	4200	8900
CHARLOTTE	4	1420	935	1245	0	0	0	605	130	4335
COLLIER		7120	21300	5000	0	0	1420	3500	360	38700
DADE		3600	32190	695	0	0	0	0	12350	48835
GLADES	2	2420	1320	28600	17600	0	0	0	0	49940
HENDRY		30000	12000	88000	25300	0	0	0	0	155300
HIGHLANDS	4	35050	3000	100100	0	0	0	275	1400	139825
LAKE	4	0	0	0	0	0	0	0	0	0
LEE	2	6965	8170	21500	0	0	0	0	0	36635
MARTIN		43800	2750	5000	3000	0	0	0	1250	55800
MONROE		0	0	0	0	0	0	0	100	100
OKEECHOBEE	2	4020	765	38300	0	0	0	95	0	43180
ORANGE	3	9384	0	628	0	0	0	0	0	10012
OSCEOLA	4	6568	40	791	0	50	0	250	0	7699
PALM BEACH		12500	114000	56000	245000	0	0	0	7000	434500
POLK	4	31450	370	1480	0	0	0	150	770	34220
ST LUCIE	2	62600	910	17120	0	0	0	170	680	81480
UNIT TOTAL		257397	201950	364459	290900	50	1420	5045	28240	1149461
HYDROLOGIC UNIT 0310										
CHARLOTTE	4	3030	1980	2655	0	0	0	1295	270	9230
CITRUS		300	0	0	0	0	80	160	260	800
DESOIT		30000	3780	13500	0	0	250	3100	380	51010
GLADES		0	50	200	250	0	0	0	0	500
HARDEE		28800	1400	15000	0	0	0	300	42	45542
HERNANDO		3600	0	0	0	0	80	50	1600	5330
HIGHLANDS	4	3450	300	9900	0	0	0	0	140	13790
HILLSBOROUGH		23000	8800	4000	0	0	0	0	2737	38537
LAKE	4	12080	1425	1090	0	0	0	0	9	14604
LEE	2	1135	1330	3500	0	0	0	0	0	5965
LEVY	4	0	4	3	0	2	20	20	8	57
MANATEE		7000	10300	5000	0	0	0	600	1850	24750
MARION	5	0	297	0	0	0	53	98	30	478
PASCO		17000	800	3000	0	0	0	500	3750	25050
PINELLAS		1000	0	0	0	0	0	0	8380	9380
POLK	4	51000	600	2400	0	0	0	240	1250	55490
SARASOTA		1500	3250	6600	0	0	0	350	2025	13725
SUMTER	2	493	2465	985	0	15	100	2170	260	6488
UNIT TOTAL		183388	36781	67833	250	17	583	8883	22991	320726

Table 19.-- 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 --Continued

BY HYDROLOGIC UNITS, 1977

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	947	999	0	449	2341	1237	2054	8027
BAKER	2	0	0	0	0	0	0	0	0	0
BRADFORD	2	0	245	105	0	0	60	0	174	584
CLAY	2	0	0	0	0	0	0	0	0	0
COLUMBIA	2	0	80	0	0	488	930	245	412	2155
DIXIE		0	0	0	0	85	100	613	45	843
GILCHRIST		0	59	280	0	210	591	530	479	2149
HAMILTON		0	30	125	0	1328	952	40	222	2697
JEFFERSON	4	0	22	56	0	25	0	171	331	605
LAFAYETTE		0	74	579	0	703	1421	2370	909	6056
LEVY	4	0	34	457	0	60	1440	230	1099	3320
MADISON		0	21	60	0	728	1899	482	1924	5114
MARION	5	0	0	0	0	0	0	0	0	0
PUTNAM	2	0	0	0	0	0	0	0	0	0
SUWANNEE		0	454	1886	0	1911	4723	1314	2960	13248
TAYLOR		0	0	0	0	96	0	0	2	98
UNION		0	220	0	0	185	0	0	0	405
UNIT TOTAL		0	2186	4547	0	6268	14457	7232	10611	45301
HYDROLOGIC UNIT 0312										
FRANKLIN	2	0	0	0	0	0	0	0	0	0
GADSDEN	2	0	1066	0	0	205	1230	0	586	3087
JEFFERSON	4	0	66	179	0	17	0	35	115	412
LEON		0	0	0	0	0	185	0	216	401
LIBERTY	2	0	0	0	0	0	0	0	0	0
WAKULLA		0	0	0	0	0	0	75	10	85
UNIT TOTAL		0	1132	179	0	222	1415	110	927	3985

Table 19.-- 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 --Continued

BY HYDROLOGIC UNITS, 1977

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	270	390
FRANKLIN	2	0	0	0	0	0	0	0	0	0
GADSDEN	2	0	234	0	0	45	270	0	129	678
GULF	2	0	0	0	0	0	0	0	0	0
JACKSON	2	0	1700	850	0	85	2975	680	7395	13685
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	1934	850	0	130	3365	680	7794	14753
HYDROLOGIC UNIT 0314										
BAY	2	0	0	0	0	0	0	0	558	558
CALHOUN	2	0	0	0	0	0	0	0	0	0
ESCAMBIA		0	30	0	0	0	80	0	526	636
GULF	2	0	0	0	0	0	0	0	300	300
HOLMES		0	20	0	0	0	0	0	80	100
JACKSON	2	0	300	150	0	15	525	120	1305	2415
OKALOOSA		0	0	600	0	0	0	0	21	621
SANTA ROSA		0	0	20	0	0	830	0	2439	3289
WALTON		0	100	0	0	0	0	0	11521	11621
WASHINGTON	2	0	0	0	100	0	0	0	0	100
UNIT TOTAL		0	450	770	100	15	1435	120	16750	19640
STATE TOTAL		608896	315604	545980	291250	6859	26875	24118	110941	1930523

Table 20.-- IRRIGATION WATER USE IN FLORIDA

BY HYDROLOGIC UNITS, 1977

		TOTAL WATER WITHDRAWN (AC-FT/YR)						TOTAL WATER WITHDRAWN (MGD)				
COUNTY		ACRES IRRIGATED	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
HYDROLOGIC UNIT 0307												
BAKER	2	910	492	493	985	0	250	0.44	0.44	0.88	0.0	0.22
COLUMBIA	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
DUVAL	2	42	13	2	15	0	0	0.01	0.00	0.01	0.0	0.0
NASSAU		25	0	186	186	0	0	0.0	0.17	0.17	0.0	0.0
UNIT TOTAL		977	505	681	1186	0	250	0.45	0.61	1.06	0.0	0.22
HYDROLOGIC UNIT 0308												
ALACHUA	3	5634	494	2120	2614	0	2009	0.44	1.89	2.33	0.0	1.79
BRADFORD	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BREVARD		70900	2637	43315	45952	340	14230	2.35	38.68	41.04	0.30	12.71
CLAY	2	440	30	582	612	0	0	0.03	0.52	0.55	0.0	0.0
DUVAL	2	2338	251	2015	2266	0	1133	0.22	1.80	2.02	0.0	1.01
FLAGLER		4050	0	38003	38003	0	0	0.0	33.94	33.94	0.0	0.0
INDIAN RIVER		71347	63140	21046	84186	8230	28000	56.38	18.79	75.18	7.35	25.00
LAKE		84649	38020	114063	152083	1	14000	33.95	101.86	135.81	0.00	12.50
LEVY	4	432	22	194	216	0	43	0.02	0.17	0.19	0.0	0.04
MARION	5	14648	1001	19017	20018	0	15010	0.89	16.98	17.88	0.0	13.40
OKEECHOBEE	2	6430	2520	10755	13275	330	2640	2.25	9.60	11.85	0.29	2.36
ORANGE	3	36367	13125	36494	49619	1240	29770	11.72	32.59	44.31	1.11	26.58
OSCEOLA	4	2289	51	537	588	13	350	0.05	0.48	0.53	0.01	0.31
POLK	4	2777	185	3000	3185	0	3000	0.17	2.68	2.84	0.0	2.68
PUTNAM	2	19167	4948	19790	24738	0	4950	4.42	17.67	22.09	0.0	4.42
ST JOHNS		24450	0	37396	37396	0	29900	0.0	33.39	33.39	0.0	26.70
ST LUCIE	2	14870	56000	10100	66100	7000	14100	50.01	9.02	59.03	6.25	12.59
SEMINOLE		11400	751	14272	15023	240	10137	0.67	12.74	13.42	0.21	9.05
SUMTER	2	92	0	54	54	0	43	0.0	0.05	0.05	0.0	0.04
VOLUSIA		3400	4847	5362	10209	0	7650	4.33	4.79	9.12	0.0	6.83
UNIT TOTAL		375680	188022	378115	566137	17394	176965	167.90	337.66	505.56	15.53	158.03

Table 20.-- 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 --Continued

BY HYDROLOGIC UNITS, 1977

TOTAL WATER WITHDRAWN (AC-FT/YR)							TOTAL WATER WITHDRAWN (MGD)					
COUNTY		ACRES IRRIGATED	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
HYDROLOGIC UNIT 0309												
BROWARD		8900	67350	21780	89130	9100	18804	60.14	19.45	79.59	8.13	16.79
CHARLOTTE	4	4335	0	7465	7465	0	2760	0.0	6.67	6.67	0.0	2.46
COLLIER		38700	5400	81320	86720	16130	39100	4.82	72.62	77.44	14.40	34.92
DADE		48835	3310	113000	116310	0	42890	2.96	100.91	103.86	0.0	38.30
GLADES	2	49940	50740	13600	64340	6650	46000	45.31	12.14	57.46	5.94	41.08
HENDRY		155300	228500	92500	321000	36000	120000	204.05	82.60	286.65	32.15	107.16
HIGHLANDS	4	139825	64560	97400	161960	4150	49870	57.65	86.98	144.63	3.71	44.53
LAKE	4	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
LEE	2	36635	21670	68370	90040	1030	40500	19.35	61.05	80.41	0.92	36.17
MARTIN		55800	91000	9200	100200	11200	46000	81.26	8.22	89.48	10.00	41.08
MONROE		100	0	50	50	0	10	0.0	0.04	0.04	0.0	0.01
OKEECHOBEE	2	43180	16840	71965	88805	2200	17600	15.04	64.26	79.30	1.96	15.72
ORANGE	3	10012	0	19315	19315	475	11565	0.0	17.25	17.25	0.42	10.33
OSCEOLA	4	7699	402	3162	3564	129	1810	0.36	2.82	3.18	0.12	1.62
PALM BEACH		434500	528000	42460	570460	70000	368920	471.50	37.92	509.42	62.51	329.45
POLK	4	34220	2295	37000	39295	0	37400	2.05	33.04	35.09	0.0	33.40
ST LUCIE	2	81480	305000	61200	366200	39600	66500	272.36	54.65	327.02	35.36	59.38
UNIT TOTAL		1149461	1385067	739787	2124854	196664	907729	1236.86	660.63	1897.49	175.62	812.39
HYDROLOGIC UNIT 0310												
CHARLOTTE	4	9230	0	15940	15940	0	6075	0.0	14.23	14.23	0.0	5.42
CITRUS		800	413	1250	1663	0	1330	0.37	1.12	1.49	0.0	1.19
DESOTO		51010	2164	69500	71664	0	47933	1.93	62.06	64.00	0.0	42.80
GLADES		500	520	150	670	60	90	0.46	0.13	0.60	0.05	0.08
HARDEE		45542	0	62895	62895	0	43615	0.0	56.17	56.17	0.0	38.95
HERNANDO		5330	943	5300	6243	0	608	0.84	4.73	5.57	0.0	0.54
HIGHLANDS	4	13790	6390	9600	15990	415	4930	5.71	8.57	14.28	0.37	4.40
HILLSBOROUGH		38537	2822	53630	56452	0	40800	2.52	47.89	50.41	0.0	36.43
LAKE	4	14604	1904	5715	7619	0	5714	1.70	5.10	6.80	0.0	5.10
LEE	2	5965	3530	11130	14660	170	6600	3.15	9.94	13.09	0.15	5.89
LEVY	4	57	3	26	29	0	6	0.00	0.02	0.03	0.0	0.01
MANATEE		24750	2415	45893	48308	0	5280	2.16	40.98	43.14	0.0	4.72
MARION	5	478	29	552	581	0	435	0.03	0.49	0.52	0.0	0.39
PASCO		25050	8183	32800	40983	0	25340	7.31	29.29	36.60	0.0	22.63
PINELLAS		9380	0	31440	31440	0	9310	0.0	28.08	28.08	0.0	8.31
POLK	4	55490	3720	60000	63720	0	60750	3.32	53.58	56.90	0.0	54.25
SARASOTA		13725	2787	25050	27837	0	23225	2.49	22.37	24.86	0.0	20.74
SUMTER	2	6488	190	3550	3740	0	2840	0.17	3.17	3.34	0.0	2.54
UNIT TOTAL		320726	36013	434421	470434	645	284881	32.16	387.94	420.10	0.58	254.40

Table 20.-- IRRIGATION WATER USE IN FLORIDA --Continued

BY HYDROLOGIC UNITS, 1977

		TOTAL WATER WITHDRAWN (AC-FT/YR)					TOTAL WATER WITHDRAWN (MGD)					
COUNTY		ACRES IRRIGATED	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE
HYDROLOGIC UNIT 0311												
ALACHUA	3	8027	961	5516	6477	0	6461	0.86	4.93	5.78	0.0	5.77
BAKER	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
BRADFORD	2	584	69	190	259	0	259	0.06	0.17	0.23	0.0	0.23
CLAY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
COLUMBIA	2	2155	83	1219	1302	0	1302	0.07	1.09	1.16	0.0	1.16
DIXIE		843	230	269	499	0	499	0.21	0.24	0.45	0.0	0.45
GILCHRIST		2149	332	1081	1413	0	1405	0.30	0.97	1.26	0.0	1.25
HAMILTON		2697	335	1839	2174	0	2174	0.30	1.64	1.94	0.0	1.94
JEFFERSON	4	605	36	185	221	0	157	0.03	0.17	0.20	0.0	0.14
LAFAYETTE		6056	108	2760	2868	0	2856	0.10	2.46	2.56	0.0	2.55
LEVY	4	3320	34	1951	1985	0	1789	0.03	1.74	1.77	0.0	1.60
MADISON		5114	336	3167	3503	0	3503	0.30	2.83	3.13	0.0	3.13
MARION	5	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
SUWANNEE		13248	414	7588	8002	0	8009	0.37	6.78	7.15	0.0	7.15
TAYLOR		98	26	40	66	0	66	0.02	0.04	0.06	0.0	0.06
UNION		405	84	180	264	0	264	0.08	0.16	0.24	0.0	0.24
UNIT TOTAL		45301	3048	25985	29033	0	28744	2.72	23.20	25.93	0.0	25.67
HYDROLOGIC UNIT 0312												
FRANKLIN	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
GADSDEN	2	3087	4025	286	4311	0	862	3.59	0.26	3.85	0.0	0.77
JEFFERSON	4	412	30	242	272	0	68	0.03	0.22	0.24	0.0	0.06
LEON		401	174	445	619	0	124	0.16	0.40	0.55	0.0	0.11
LIBERTY	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
WAKULLA		85	25	40	65	0	13	0.02	0.04	0.06	0.0	0.01
UNIT TOTAL		3985	4254	1013	5267	0	1067	3.80	0.90	4.70	0.0	0.95

Table 20.-- 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 --Continued

BY HYDROLOGIC UNITS, 1977

		TOTAL WATER WITHDRAWN (AC-FT/YR)					TOTAL WATER WITHDRAWN (MGD)					
COUNTY		ACRES IRRIGATED	SURF WATER	GROUND WATER	ALL WATER	CONVEY LOSS	CONSUMP USE	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	390	1442	1355	2797	0	559	1.29	1.21	2.50	0.0	0.50
FRANKLIN	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
GADSDEN	2	678	884	63	947	0	189	0.79	0.06	0.85	0.0	0.17
GULF	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
JACKSON	2	13685	1309	4132	5441	0	1088	1.17	3.69	4.86	0.0	0.97
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		14753	3635	5550	9185	0	1836	3.25	4.96	8.20	0.0	1.64
HYDROLOGIC UNIT 0314												
BAY	2	558	0	423	423	0	85	0.0	0.38	0.38	0.0	0.08
CALHOUN	2	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
ESCAMBIA		636	393	689	1082	0	216	0.35	0.62	0.97	0.0	0.19
GULF	2	300	0	250	250	0	100	0.0	0.22	0.22	0.0	0.09
HOLMES		100	27	0	27	0	5	0.02	0.0	0.02	0.0	0.00
JACKSON	2	2415	231	729	960	0	192	0.21	0.65	0.86	0.0	0.17
OKALOOSA		621	501	351	852	0	170	0.45	0.31	0.76	0.0	0.15
SANTA ROSA		3289	146	1675	1821	0	364	0.13	1.50	1.63	0.0	0.33
WALTON		11621	1045	4126	5171	0	1034	0.93	3.68	4.62	0.0	0.92
WASHINGTON	2	100	67	0	67	13	0	0.06	0.0	0.06	0.01	0.0
UNIT TOTAL		19640	2410	8243	10653	13	2166	2.15	7.36	9.51	0.01	1.93
STATE TOTAL		1930523	1622954	1593795	3216749	214716	1405638	1449.30	1423.25	2872.55	191.74	1255.23

Table 21.-- T H E R M O E L E C T R I C P O W E R G E N E R A T I O N
W A T E R U S E I N F L O R I D A

BY HYDROLOGIC UNITS, 1977

COUNTY		COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)
		GROUND FRESH	SELF-SUPPLIED WATER SALINE	SURFACE FRESH	WATER SALINE		SELF-SUPPLIED FRESH GW	FRESH SW		FRESH	SALINE	
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		35.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	587
UNIT TOTAL		35.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	587
HYDROLOGIC UNIT 0308												
ALACHUA	3	0.4	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.3	0.0	162
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	1421.0	0.0	0.29	0.0	0.02	0.2	7.4	6519
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	1.9	0.0	0.0	1225.0	0.0	1.53	0.0	0.0	0.2	6.4	5739
FLAGLER		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
INDIAN RIVER		4.4	0.0	0.0	160.0	0.0	0.0	0.0	0.0	3.6	3.4	293
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	0.1	0.0	65.6	0.0	0.0	0.08	0.0	0.0	0.4	0.0	186
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	1.2	0.0	0.0	0.0	0.17	0.0	0.7	0.0	388
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	777.6	0.0	0.0	0.0	0.0	1.4	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	286.0	14.4	0.0	0.0	0.0	0.03	7.8	0.1	4385
UNIT TOTAL		6.8	0.0	352.8	3598.0	0.90	1.90	0.17	0.05	14.6	17.3	18462

Table 21.-- T H E R M O E L E C T R I C P O W E R G E N E R A T I O N --Continued
W A T E R U S E I N F L O R I D A

BY HYDROLOGIC UNITS, 1977

COUNTY		COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)
		GROUND FRESH	SELF-SUPPLIED WATER SALINE	SURFACE FRESH	WATER SALINE		SELF-SUPPLIED FRESH GW	FRESH SW		FRESH	SALINE	
HYDROLOGIC UNIT 0309												
BROWARD		0.0	0.0	0.0	1722.3	0.03	0.57	0.0	0.0	0.4	7.5	32500
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
DADF		0.0	0.0	0.0	2160.0	0.0	0.0	0.0	1.00	0.6	56.2	36956
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	49.3	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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	91
PALM BEACH		0.0	0.0	0.0	657.0	0.60	0.18	0.0	0.0	0.5	5.3	3896
UNIT TOTAL		1.0	49.3	95.2	5107.3	0.63	0.89	0.03	1.07	2.1	74.3	77523
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	1892.2	0.0	0.63	0.0	0.0	0.5	15.5	8242
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	0.0	0.0	0.0	8
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	1957.6	0.0	1.14	1.95	0.0	3.0	12.3	10928
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	14.0	0.0	0.0	0.01	0.0	0.0	1.3	0.0	3182
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	1271.0	0.0	0.12	0.0	0.0	0.1	11.4	3330
PINELLAS		0.0	0.0	0.0	635.0	0.0	0.15	0.0	0.0	0.1	4.7	3146
POLK	4	0.0	0.0	222.9	0.0	0.0	0.33	0.0	0.0	3.0	0.0	1159
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	236.9	5755.8	0.0	2.38	1.95	0.0	8.0	43.9	29995

Table 21.-- T H E R M O E L E C T R I C P O W E R G E N E R A T I O N --Continued
W A T E R U S E I N F L O R I D A

BY HYDROLOGIC UNITS, 1977

COUNTY		COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)
		GROUND FRESH	SELF-SUPPLIED WATER SALINE	SURFACE FRESH	WATER SALINE		SELF-SUPPLIED FRESH GW	FRESH SW		FRESH	SALINE	
HYDROLOGIC UNIT 0311												
ALACHUA	3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	547
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	0.1	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.1	0.0	34
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		1.1	0.0	172.8	0.0	0.01	0.01	0.0	0.0	2.0	0.0	1517
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		1.6	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.6	0.0	588
LIBERTY	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
WAKULLA		0.3	0.0	93.3	0.0	0.0	0.17	0.0	0.0	0.7	0.0	381
UNIT TOTAL		1.9	0.0	93.3	0.0	0.0	0.42	0.0	0.0	1.3	0.0	969

Table 21.-- T H E R M O E L E C T R I C P O W E R G E N E R A T I O N --Continued
W A T E R U S E I N F L O R I D A

BY HYDROLOGIC UNITS, 1977

COUNTY		COOLING WATER (MGD)				PUBLIC SUPPLY	OTHER WATER (MGD)		PUBLIC SUPPLY	WATER CONSUMED		AVE ANNUAL GENERATION (KWHX10**6)
		GROUND FRESH	SELF-SUPPLIED WATER SALINE	SURFACE FRESH	WATER SALINE		SELF-SUPPLIED FRESH GW	FRESH SW		FRESH	SALINE	
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	109.2	0.0	0.0	0.02	0.0	0.0	0.6	0.0	489
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	109.2	0.0	0.0	0.02	0.0	0.0	0.6	0.0	489
HYDROLOGIC UNIT 0314												
BAY	2	0.0	0.0	0.0	227.8	0.0	0.70	0.0	0.0	0.5	2.1	1592
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	249.7	0.0	0.0	2.50	0.0	0.0	2.1	0.0	3780
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	249.7	227.8	0.0	3.20	0.0	0.0	2.6	2.1	5372
STATE TOTAL		46.4	49.3	1309.9	14688.9	1.54	8.82	2.15	1.12	32.0	137.6	134914

SUMMARY

During 1977, an average of 21,466 million gallons of water was withdrawn daily for all uses in Florida--an increase of 6,153 million gallons per day more than in 1970. The 1977 daily use was 14,812 million gallons of saline water and 6,654 million gallons of freshwater. Most of the saline water, largely surface water, was pumped from tidal estuaries. Only 107.6 million gallons per day of saline water--less than 1 percent--was obtained from wells. The freshwater supply was almost equally divided between ground water (53 percent) and surface water (47 percent).

Virtually all the saline water used was for thermoelectric power generation. Only 73 million gallons of saline water was used each day for all other industrial purposes. The largest use of freshwater in Florida was for irrigation--an average of 2,873 million gallons per day. The remaining use of freshwater amounted to 1,370 million gallons per day for thermoelectric power generation; 1,232 million gallons per day for public supply; 922 million gallons per day for industrial use other than thermoelectric power generation; and 257 million gallons per day for rural domestic and livestock use.

Irrigation, the largest use of freshwater, also is responsible for the greatest consumption, 1,255 million gallons per 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 192 million gallons per day. The remainder of the conveyance loss is returned to the ground-water reservoir for reuse by seepage from the canals.

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