

Technical Publication SJ 84-5  
ANNUAL WATER USE SURVEY: 1983

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## INTRODUCTION

Water use data is collected annually for the 19 counties within the St. Johns River Water Management District (Figure 1). As in past years (1978 thru 1982) the 1983 data has been published in a Technical Report. This report summarizes water use in the St. Johns River Water Management District for 1983.

Water use figures are in million gallons per day (MGD). Water use is shown for fresh ground and surface water sources along with total fresh water use. Water use is also shown for the following categories, Public supply, Domestic self-supplied, Industrial self-supplied (including Institutional self-supplied), Agricultural Irrigation (including Livestock use), Thermoelectric Power Generation and Heat Pump/Air Conditioning.

Data for public suppliers (132), self-supplied industries (58), institutions (17), and thermoelectric power plants (11) is collected by the SJRWMD. Agricultural water use is estimated from the data provided by representatives of the Institute of Food and Agricultural Sciences (IFAS), the USDA Soil Conservation Service (SCS), and the USDA Agricultural Stabilization and Conservation Service (ASCS). Supplemental irrigation needs for crops in this report were computed using the modified Blaney-Criddle irrigation computer model<sup>(1)</sup> and the 30 year mean of rainfall and temperature. The heat pump/air conditioning figures are calculated from the Brevard County well inventory list 1975-77, the Volusia County Vol-Data File (USGS 11/20/80) and conversations with Heating Ventilation Air Conditioner (HVAC) dealers in Putnam County. This category is calculated for only three counties: Brevard, Volusia and Putnam. Data for the remaining 16 counties is presently being inventoried.

(1) SCS Technical Release No. 21, "Irrigation Water Requirements"

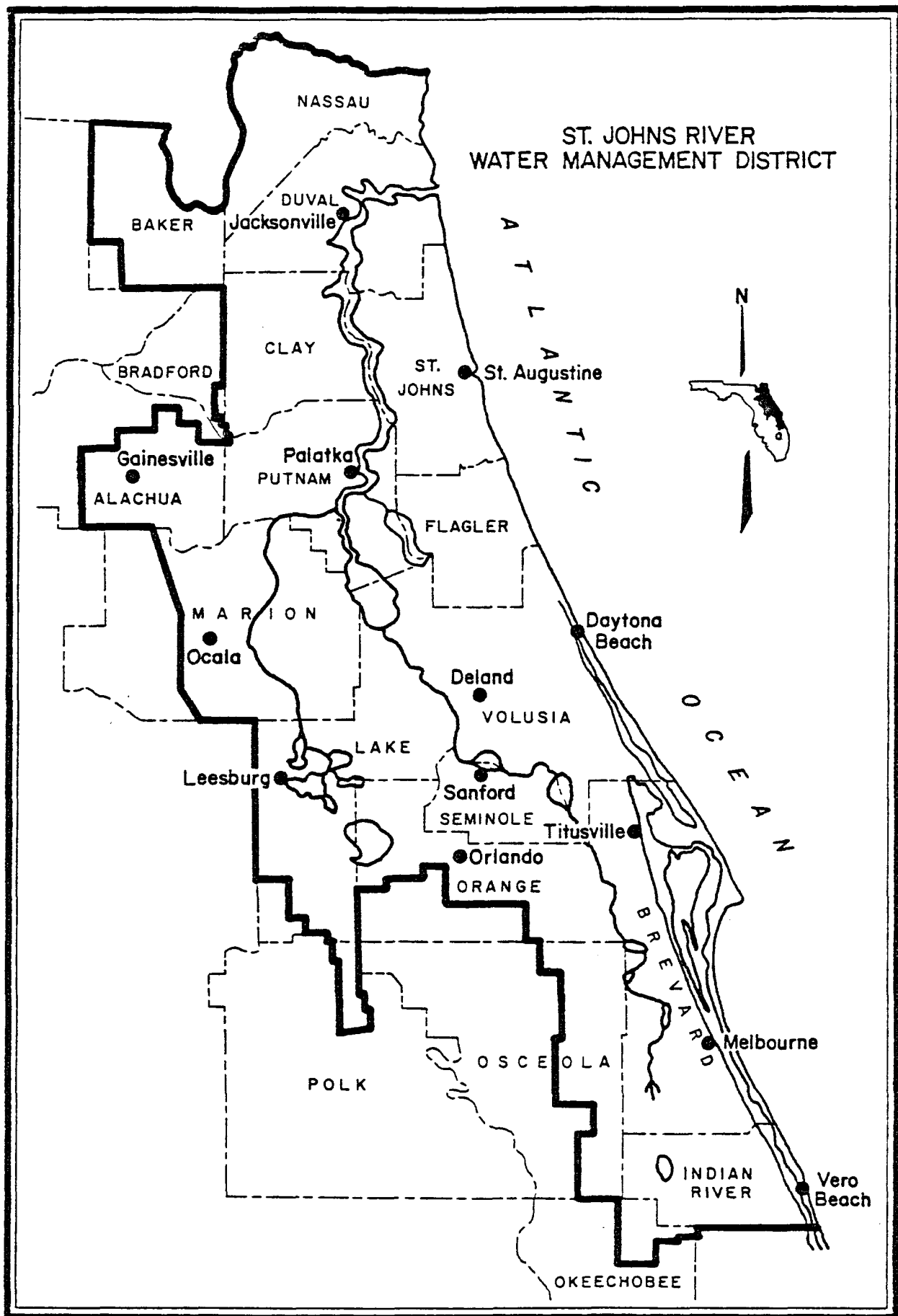


FIGURE 1. St. Johns River Water Management District.

# WATER USE BY CATEGORY

## Public Supply

The total fresh water use for Public Supply in 1983 amounted to 299.40 MGD of which 287.49 MGD (96%) was ground water and 11.91 MGD (4%) surface water. In 1983 the ground water total of 287.49 MGD includes 0.55 MGD ground saline water used for Reverse Osmosis (R/O). Orange (83.78 MGD) and Duval (70.45 MGD) were the counties with the largest public water use for 1983 (Table 1). Orange County's total includes water withdrawn for the City of Cocoa in Brevard County (16.70 MGD). Duval (467,539) and Orange (382,764) counties also have the largest number of people served by public supply systems (Figure 2). Total population served by the 132 public or private suppliers (utilities that serve 500 or more) accounted for 79% (1,956,792) of the District's population.

TABLE 1. Public Fresh Water Use (MGD): 1983

COUNTY	GROUND	SURFACE	TOTAL	PERCENT
ALACHUA	15.73	-	15.73	5
BAKER	0.50	-	0.50	*
BRADFORD	-	-	-	-
BREVARD	7.22	11.91	19.13	6
CLAY	6.39	-	6.39	2
DUVAL	70.45	-	70.45	24
FLAGLER	1.55	-	1.55	*
INDIAN RIVER	8.87 (1)	-	8.87	3
LAKE	11.94	-	11.94	4
MARION	7.95	-	7.95	3
NASSAU	2.76	-	2.76	1
OKEECHOBEE	-	-	-	-
ORANGE	83.78	-	83.78	28
OSCEOLA	-	-	-	-
POLK	-	-	-	-
PUTNAM	3.06	-	3.06	1
SEMINOLE	28.19	-	28.19	10
ST. JOHNS	6.12	-	6.12	2
VOLUSIA	32.98 (2)	-	32.98	11
TOTALS	287.49	11.91	299.40	

\* less than 1.0%

(1) Includes 0.53 MGD ground saline.

(2) Includes 0.02 MGD ground saline.

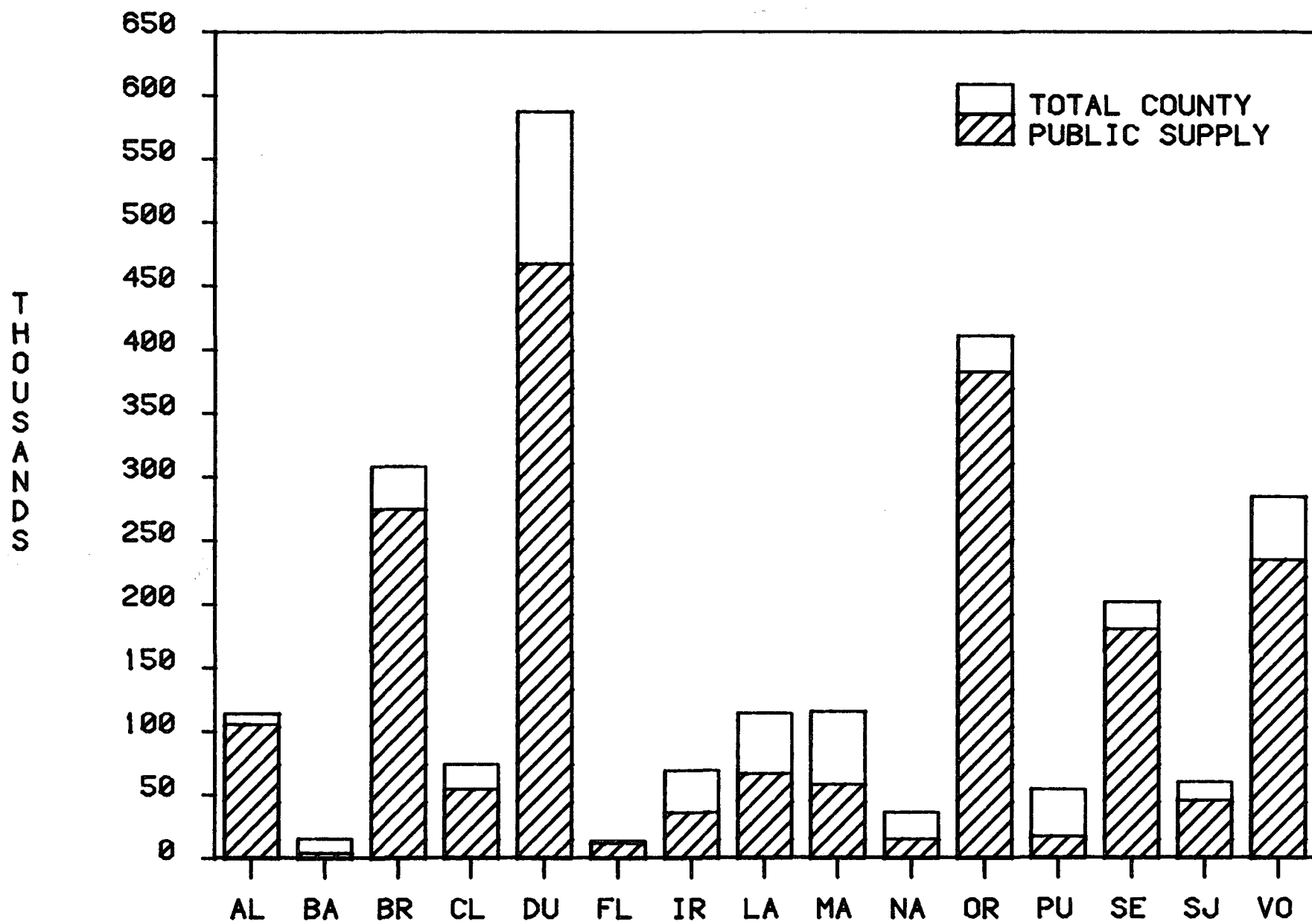


FIGURE 2. County Population within the SJRWMD Served by Public Supply - 1983.



### Domestic Self-supplied

Domestic self-supplied fresh water use in 1983 amounted to 80.99 MGD of ground water. In 1983, an estimated 512,355 people were served by small utilities not inventoried, or are self-supplied. In order to calculate domestic water use, gallons per capita day (GPCD) were estimated for each county, then multiplied by the population not served by public supply. The district 1983 average GPCD was 153, although this figure accounted for public supplied commercial and industrial water use as well as a single family use.

In addition to GPCD, total Domestic self-supplied water use was calculated for each county (Table 2). Duval (18.05 MGD), Lake (8.56 MGD), Indian River (8.19 MGD) and Marion (7.82 MGD) were the counties with the largest domestic self-supplied water use for 1983.

TABLE 2. Domestic Self-supplied Fresh Water Use (MGD): 1983

COUNTY	GROUND	SURFACE	TOTAL	PERCENT
ALACHUA	1.28	-	1.28	2
BAKER	1.49	-	1.49	2
BRADFORD	0.24	-	0.24	*
BREVARD	4.45	-	4.45	6
CLAY	2.34	-	2.34	3
DUVAL	18.05	-	18.05	23
FLAGLER	0.27	-	0.27	*
INDIAN RIVER	8.19	-	8.19	10
LAKE	8.56	-	8.56	10
MARION	7.82	-	7.82	10
NASSAU	3.81	-	3.81	5
OKEECHOBEE	0.06	-	0.06	*
ORANGE	4.96	-	4.96	6
OSCEOLA	0.06	-	0.06	*
POLK	0.76	-	0.76	*
PUTNAM	6.64	-	6.64	8
SEMINOLE	3.30	-	3.30	4
ST. JOHNS	1.80	-	1.80	2
VOLUSIA	6.91	-	6.91	9
TOTALS	80.99	-	80.99	

\* less than 1.0%

### Industrial Self-supplied

Industrial self-supplied fresh water use for 1983 accounted for 163.67 MGD of which 120.91 MGD (74%) was ground and 42.76 MGD (26%) surface. Industrial self-supplied use for 1983 includes 8.73 MGD of Institutional self-supplied water use. Putnam (55.42 MGD), Duval (38.69 MGD) and Nassau (32.01 MGD) were the counties with the largest industrial water use for 1983 (Table 3). Pulp and paper processors are the major water users in Putnam, Duval and Nassau counties.

TABLE 3. Industrial Self-supplied Fresh Water Use (MGD): 1983

COUNTY	GROUND	SURFACE	TOTAL	PERCENT
ALACHUA	1.44	0.09	1.53	*
BAKER	0.21	-	0.21	*
BRADFORD	-	-	-	-
BREVARD	0.16	-	0.16	*
CLAY	5.58	-	5.58	3
DUVAL	38.69	-	38.69	24
FLAGLER	-	-	-	-
INDIAN RIVER	0.23	-	0.23	*
LAKE	15.65	3.40	19.05	12
MARION	0.18	-	0.18	*
NASSAU	32.01	-	32.01	20
OKEECHOBEE	-	-	-	-
ORANGE	5.76	-	5.76	4
OSCEOLA	-	-	-	-
POLK	-	-	-	-
PUTNAM	16.15	39.27	55.42	34
SEMINOLE	4.39	-	4.39	3
ST. JOHNS	0.04	-	0.04	*
VOLUSIA	0.42	-	0.42	*
TOTALS	120.91	42.76	163.67	

\* less than 1.0%

### Agricultural Irrigation

Agricultural Irrigation fresh water use, which includes Livestock water use, was the largest water use category in 1983 accounting for 748.45 MGD. Total ground water withdrawn amounted to 493.47 MGD (66%) and the remaining 254.98 MGD (34%) was surface water. Indian River (264.77 MGD), Lake (100.73 MGD), Brevard (92.63 MGD), and Orange (77.77 MGD) were the counties with the largest Agricultural Irrigation water use for 1983 (Table 4). Citrus is the largest irrigated crop in these four counties (see appendix). Total agricultural acreage for 1983 was 1,129,400 of which 33% was irrigated (375,412). Indian River (108,507), Lake (69,813), Orange (51,103), and Brevard (36,106) counties accounted for 71% of the irrigated acres in 1983 (Figure 3).

TABLE 4. Agricultural Irrigation Fresh Water Use (MGD): 1983

COUNTY	GROUND	SURFACE	TOTAL	PERCENT
ALACHUA	10.67	1.37	12.04	2
BAKER	2.75	0.59	3.34	*
BRADFORD	0.10	-	0.10	*
BREVARD	76.99	15.64	92.63	12
CLAY	2.12	1.27	3.39	*
DUVAL	4.72	2.29	7.01	1
FLAGLER	6.45	0.17	6.62	1
INDIAN RIVER	88.99	175.78	264.77	36
LAKE	82.98	17.75	100.73	14
MARION	15.11	2.50	17.61	2
NASSAU	1.47	0.89	2.36	*
OKEECHOBEE	14.49	1.50	15.99	2
ORANGE	47.62	30.15	77.77	10
OSCEOLA	7.57	0.86	8.43	1
POLK	15.10	0.07	15.17	2
PUTNAM	21.01	1.67	22.68	3
SEMINOLE	32.80	0.40	33.20	5
ST. JOHNS	36.10	0.72	36.82	5
VOLUSIA	26.43	1.36	27.79	4
TOTALS	493.47	254.98	748.45	

\* less than 1.0%

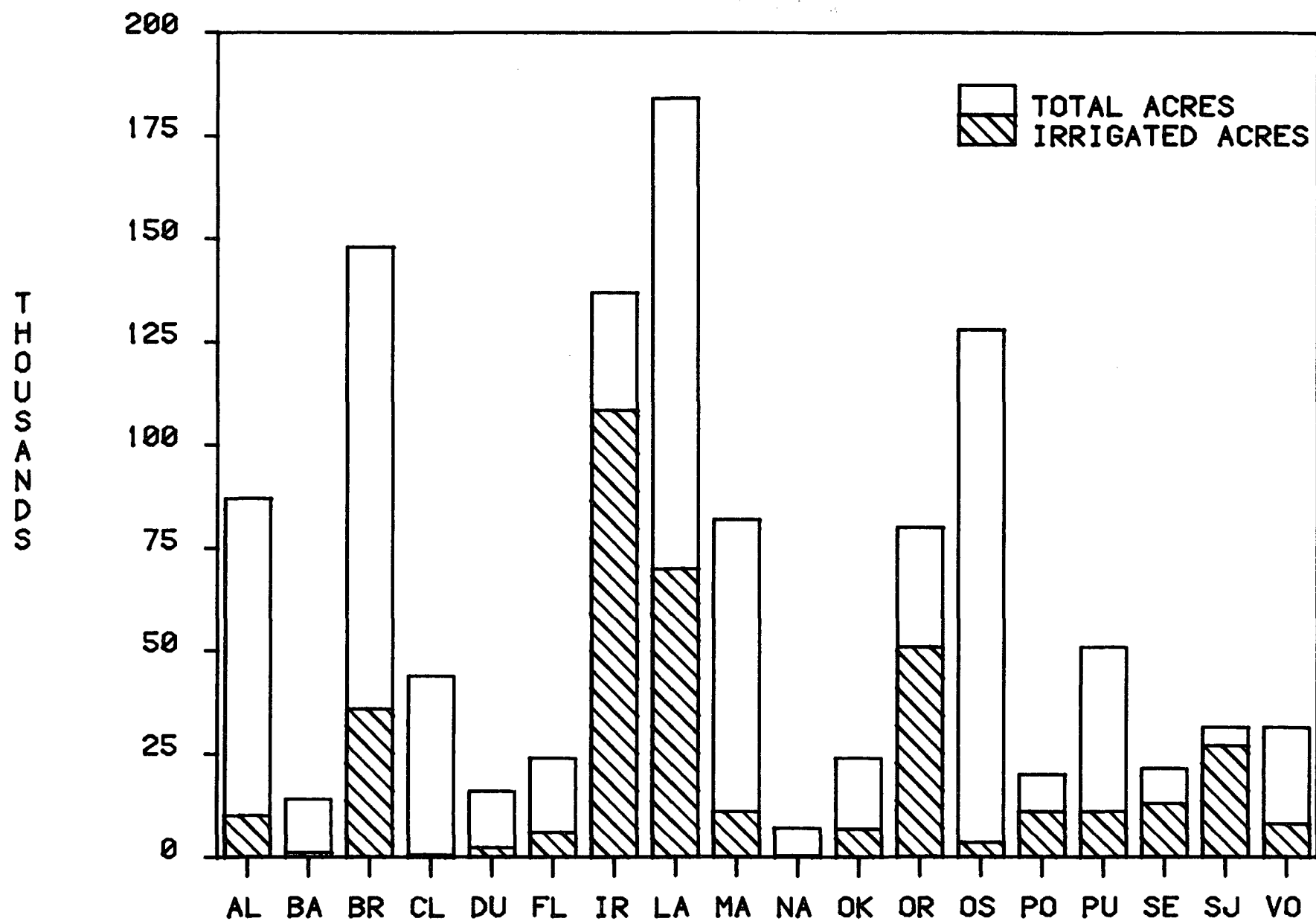


FIGURE 3. Acres Farmed and Irrigated within the SJRWMD by County - 1983.

### Thermoelectric Power Generation

Thermoelectric Power Generation fresh water use in 1983 amounted to 6.84 MGD. Ground water use totaled 4.54 MGD (66%) while surface water use totaled 2.30 MGD (34%). The total fresh water use in this category represents less than 1.0% (0.5%) of the total water use in 1983. The majority of water use in this category is saline surface water (3,560.33 MGD) used for once through cooling. Putnam (2.06 MGD) and Duval (1.98 MGD) were the two counties with a significant fresh water use value for 1983 (Table 5).

TABLE 5. Thermoelectric Fresh Water Use (MGD): 1983

COUNTY	GROUND	SURFACE	TOTAL	PERCENT
ALACHUA	1.27	-	1.27	19
BAKER	-	-	-	-
BRADFORD	-	-	-	-
BREVARD	0.31	-	0.31	4
CLAY	-	-	-	-
DUVAL	1.98	-	1.98	29
FLAGLER	-	-	-	-
INDIAN RIVER	0.24	-	0.24	4
LAKE	-	-	-	-
MARION	-	-	-	-
NASSAU	-	-	-	-
OKEECHOBEE	-	-	-	-
ORANGE	-	0.01	0.01	*
OSCEOLA	-	-	-	-
POLK	-	-	-	-
PUTNAM	0.36	1.70	2.06	30
SEMINOLE	-	-	-	-
ST. JOHNS	-	-	-	-
VOLUSIA	0.38	0.59	0.97	14
TOTALS	4.54	2.30	6.84	

\* less than 1.0%

### Heat Pump/Air Conditioning

Heat Pump/Air Conditioning (HP/AC) water use data was only collected for three counties; Brevard, Putnam and Volusia. Total water use for this category in 1983 amounted to 149.96 MGD. Each county's estimated totals are as follows:

- Brevard: 16,175 HP/AC units - 141.51 MGD
- Putnam: 500 HP/AC units - 2.29 MGD
- Volusia: 1,346 HP/AC units - 6.16 MGD

Data for the remaining 16 counties is presently being inventoried.

### Water Use by Category Summary

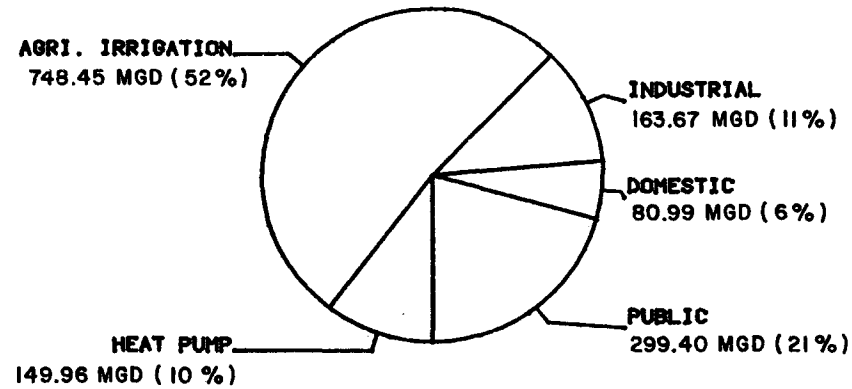
Agricultural Irrigation (which includes Livestock water use) was the largest fresh water use category for 1983 (Table 6). This category accounted for 44% of the ground water and 82% of the total fresh surface water used within the District (Figure 4). The second largest category was Public supply using 25% of the total fresh ground water and 4% of the total fresh surface water. Other categories where substantial amounts of ground water were used are Heat Pump/Air Conditioning with 13%, Industrial self-supplied (which includes Institutional self-supplied water use) 11% and Domestic self-supplied 7%. Thermoelectric Power Generation accounted for less than 1% (0.4%) of the total ground water used in 1983. The two major fresh surface water use categories were Agricultural Irrigation (82%) and Industrial (14%) accounting for 96% of the total used in 1983. Public supply and Thermoelectric Power Generation accounted for the remaining 4% of total fresh surface water use.

TABLE 6. Total Fresh Water Use (MGD) by Category: 1983

	GROUND	SURFACE	TOTAL
Public	287.49(1)	11.91	299.40
Domestic	80.99	0.0	80.99
Industrial	120.91	42.76	163.67
Agr. Irrigation	493.47	254.98	748.45
Thermoelectric	4.54	2.30	6.84
Heat Pump A/C	149.96	0.0	149.96
Total	1,137.36	311.95	1,449.31

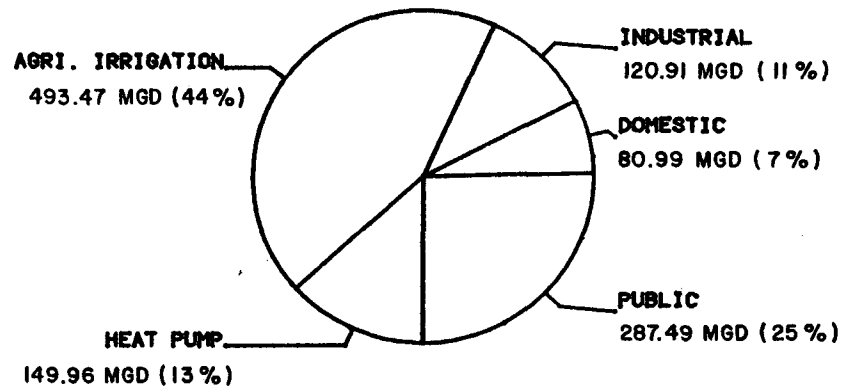
(1) Includes 0.55 MGD ground saline.

### FRESH WATER USE (MGD) BY CATEGORY 1983



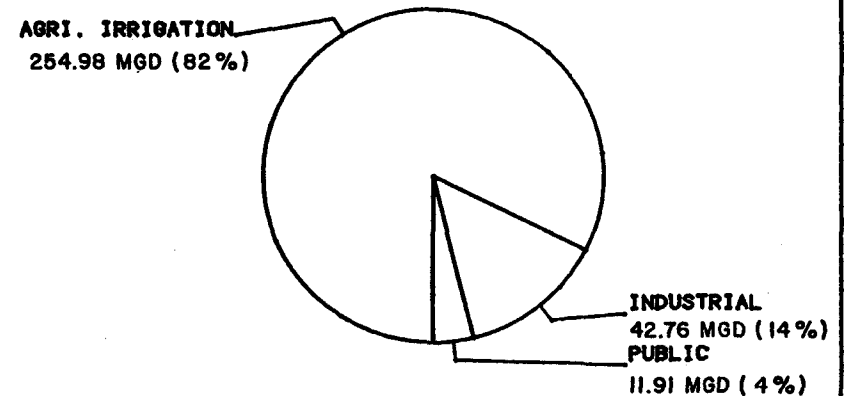
NOTE: THERMOELECTRIC (6.84 MGD)  
IS TOO SMALL TO DEPICT  
(LESS THAN 1.0%).

### FRESH GROUND WATER USE (MGD) BY CATEGORY 1983



NOTE: THERMOELECTRIC (4.54 MGD)  
IS TOO SMALL TO DEPICT  
(LESS THAN 1.0%).

### FRESH SURFACE WATER USE (MGD) BY CATEGORY 1983



NOTE: THERMOELECTRIC (2.30 MGD)  
IS TOO SMALL TO DEPICT  
(LESS THAN 1.0%).

FIGURE 4. 1983 Water Use by Category



## WATER USE BY COUNTY

Indian River and Brevard Counties were the largest fresh water use counties for 1983 (Figure 5) accounting for 282.30 MGD (20%) and 258.19 MGD (18%), respectively. Orange (172.28 MGD), Lake (140.28 MGD) and Duval (136.18 MGD) are the next three largest fresh water use counties for 1983.

Brevard County, the largest fresh ground water use county in 1983, accounted for 230.64 MGD (20%). Other counties which withdrew over 100 MGD of fresh ground water are Orange (142.12 MGD), Duval (133.89 MGD), Lake (119.13 MGD), and Indian River (106.52 MGD).

Indian River County was the largest fresh surface water use county in 1983 accounting for 174.78 MGD (56%). Other counties using substantial amounts of surface water were Putnam (42.64 MGD), Orange (30.16 MGD), Brevard (27.55) and Lake (21.15 MGD).

Figure 6 shows what portion of each county's fresh water use is ground and surface water (refer to Table 7 for actual values).

TABLE 7. Total Fresh Water Use (MGD) by County: 1983

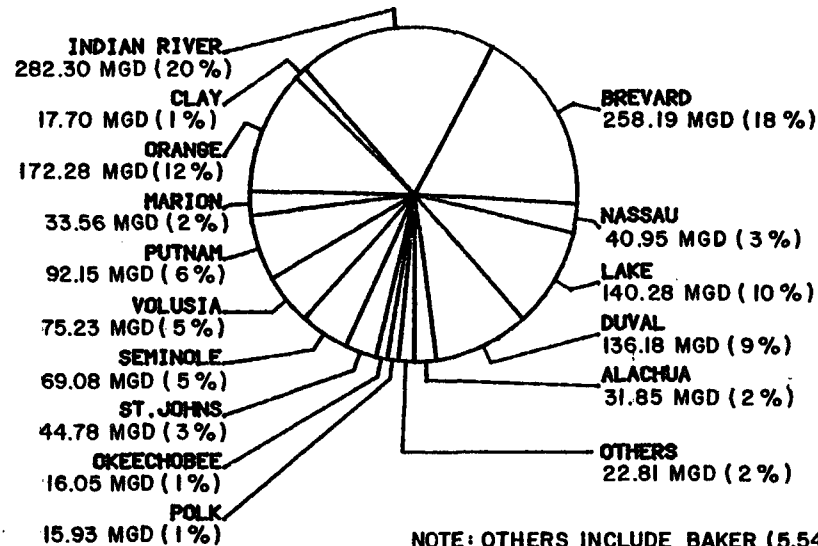
COUNTY	GROUND	PERCENT	SURFACE	PERCENT	TOTAL	PERCENT
ALACHUA	30.39	3	1.46	*	31.85	2
BAKER	4.95	*	0.59	*	5.54	*
BRADFORD	0.34	*	-	-	0.34	*
BREVARD	230.64	20	27.55	9	258.19	18
CLAY	16.43	1	1.27	*	17.70	1
DUVAL	133.89	12	2.29	*	136.18	9
FLAGLER	8.27	*	0.17	*	8.44	*
INDIAN RIVER	106.52(1)	9	175.78	56	282.30	20
LAKE	119.13	10	21.15	7	140.28	10
MARION	31.06	3	2.50	*	33.56	2
NASSAU	40.05	4	0.89	*	40.94	3
OKEECHOBEE	14.55	1	1.50	*	16.05	1
ORANGE	142.12	13	30.16	10	172.28	12
OSCEOLA	7.63	*	0.86	*	8.49	*
POLK	15.86	1	0.07	*	15.93	1
PUTNAM	49.51	4	42.64	14	92.15	6
SEMINOLE	68.68	6	0.40	*	69.08	5
ST. JOHNS	44.06	4	0.72	*	44.78	3
VOLUSIA	73.28(2)	7	1.95	*	75.23	5
TOTALS	1,137.36		311.95		1,449.31	

\* less than 1.0%, the combined total of these equals the remaining percent.

(1) includes 0.53 MGD ground saline

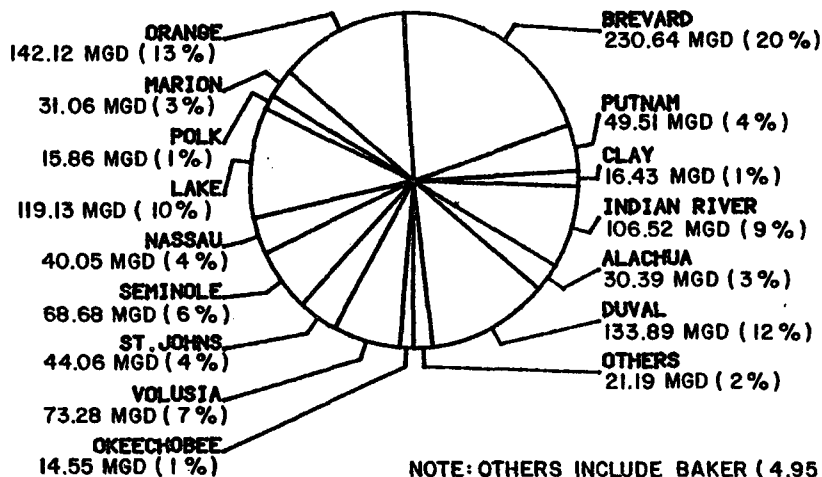
(2) includes 0.02 MGD ground saline

### FRESH WATER USE (MGD) BY COUNTY - 1983



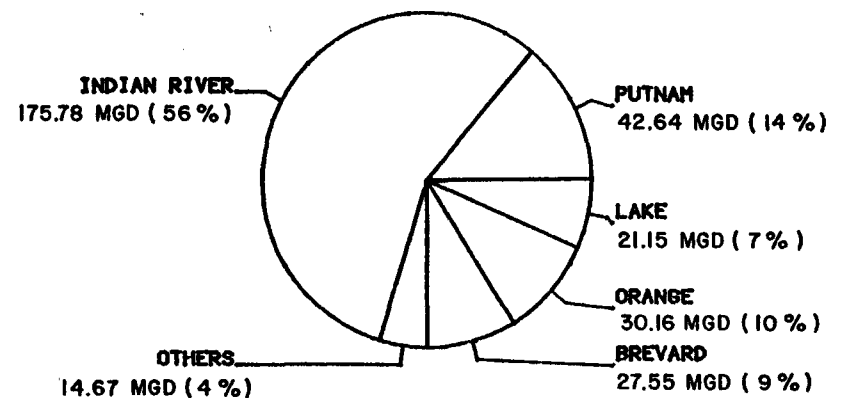
NOTE: OTHERS INCLUDE BAKER (5.54 MGD),  
BRADFORD (0.34 MGD), FLAGLER (8.44 MGD),  
AND OSCEOLA (8.49 MGD) COUNTIES.

### FRESH GROUND WATER USE (MGD) BY COUNTY - 1983



NOTE: OTHERS INCLUDE BAKER (4.95 MGD),  
BRADFORD (0.34 MGD), FLAGLER (8.27 MGD),  
AND OSCEOLA (7.63 MGD) COUNTIES.

### FRESH SURFACE WATER USE (MGD) BY COUNTY - 1983



NOTE: OTHERS INCLUDE ALACHUA (1.46 MGD), BAKER (0.59 MGD),  
CLAY (1.27 MGD), DUVAL (2.29 MGD), FLAGLER (0.17 MGD),  
MARION (2.50 MGD), NASSAU (0.89 MGD), OKEECHOBEE (1.50 MGD),  
OSCEOLA (0.86 MGD), POLK (0.07 MGD), SEMINOLE (0.40 MGD),  
ST. JOHNS (0.72 MGD) AND VOLUSIA (1.95 MGD) COUNTIES.

FIGURE 5. 1983 Water Use by County.

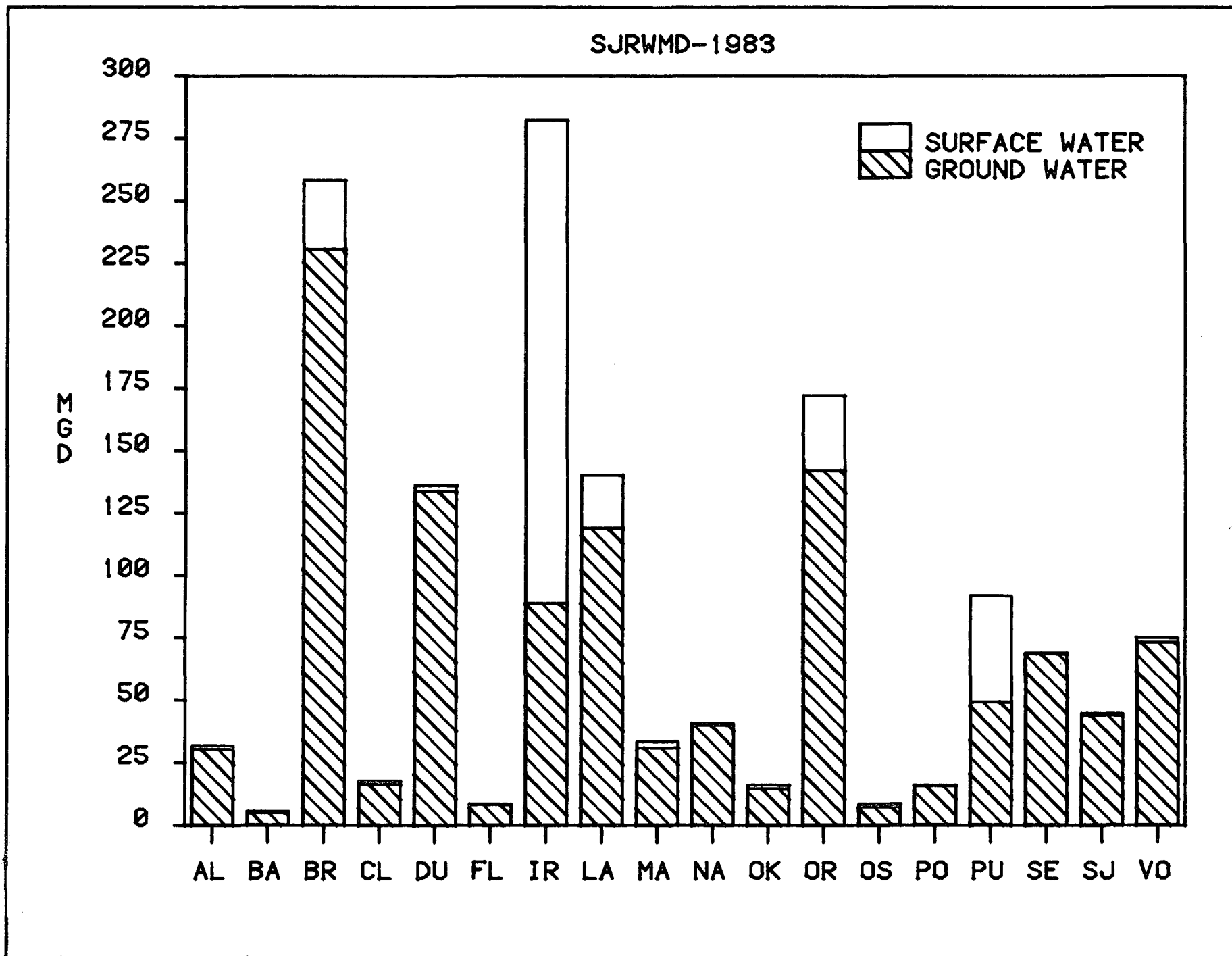


FIGURE 6. 1983 County Water Use by Source.

## WATER USE BY SURFACE WATER BASIN

The Upper St. Johns River Basin is the largest fresh water use basin (376.53 MGD) for 1983 (Table 8). This basin was the largest fresh surface water use basin accounting for 167.30 MGD (53%) of the total fresh surface water used in 1983 (Figure 7). The Oklawaha River Basin (51.76 MGD), Lower St. Johns River Basin (44.16 MGD), and the Lower Coastal Basin (39.16 MGD) are the only other significant users of fresh surface water for 1983.

The Lower St. Johns River Basin (227.94 MGD), Oklawaha River Basin (255.58 MGD) and the Upper St. Johns River Basin (209.23 MGD) are the largest fresh ground water use basins in 1983. These three basins account for 59% of the ground water withdrawals for 1983 (refer to Figure 8 for surface water basin locations).

TABLE 8. Total Fresh Water Use (MGD) by Surface Water Basin: 1983

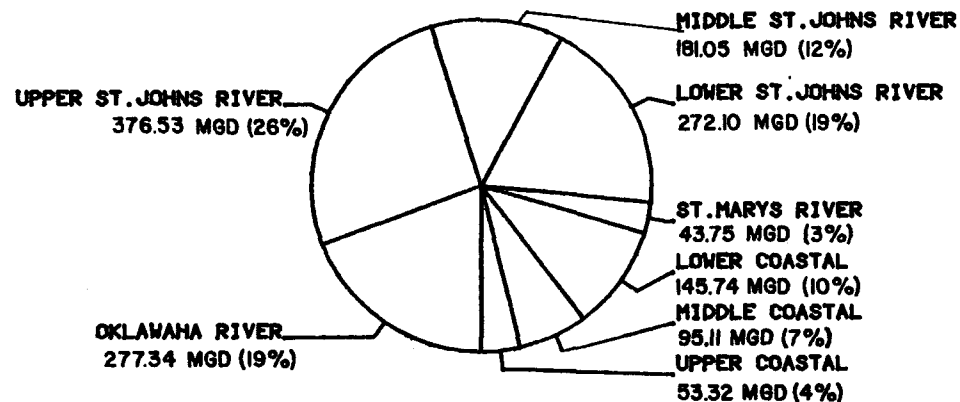
SURFACE WATER BASIN	GROUND	%	SURFACE	%	TOTAL	%
Nassau R.	3.53	*	0.84	*	4.37	*
St. Marys R.	42.88	4	0.87	*	43.75	3
Lower St. Johns R.	227.94	20	44.16	14	272.10	19
Middle St. Johns R.	174.46	15	6.59	2	181.05	12
Upper St. Johns R.	209.23	19	167.30	54	376.53	26
Oklawaha R.	225.58	20	51.76	17	277.34	19
Upper Coastal	52.55	5	0.77	*	53.32	4
Middle Coastal	94.61(1)	8	0.50	*	95.11	7
Lower Coastal	106.58(2)	9	39.16	13	145.74	10
TOTAL	1,137.36		311.95		1,449.31	

\* less than 1.0%

(1) Includes 0.02 MGD ground saline

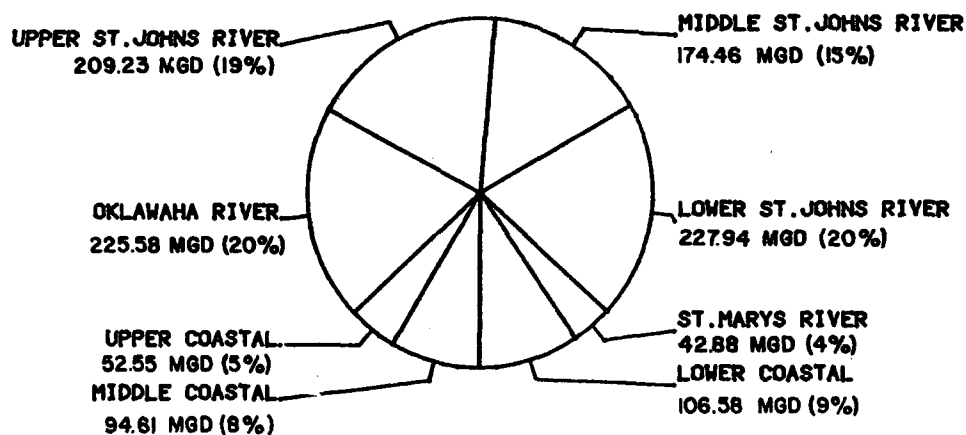
(2) Includes 0.53 MGD ground saline

# FRESH WATER USE (MGD) BY SURFACE WATER BASIN, 1983



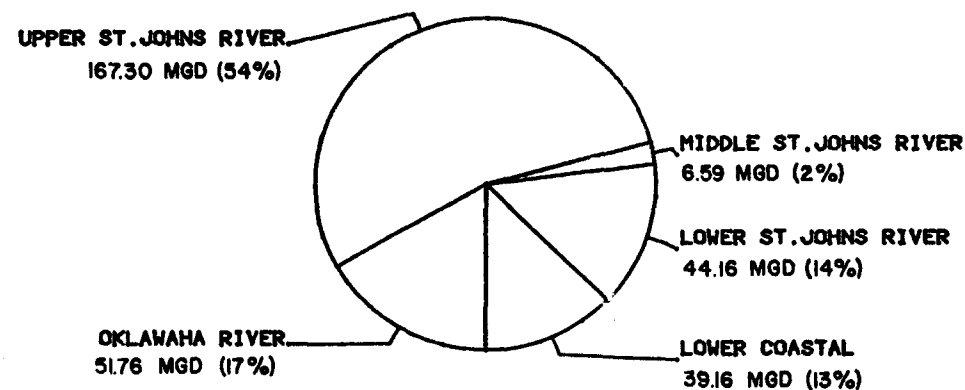
NOTE: NASSAU RIVER BASIN (4.37 MGD) IS TOO SMALL TO DEPICT (LESS THAN 1.0%)

## FRESH GROUND WATER USE (MGD) BY SURFACE WATER BASIN, 1983



NOTE: NASSAU RIVER BASIN (3.53 MGD) IS TOO SMALL TO DEPICT (LESS THAN 1.0%)

## FRESH SURFACE WATER USE (MGD) BY SURFACE WATER BASIN, 1983



NOTE: ST. MARYS RIVER (0.87 MGD), NASSAU RIVER (0.84 MGD), UPPER COASTAL (0.77 MGD), AND MIDDLE COASTAL (0.50 MGD) BASINS ARE TOO SMALL TO DEPICT (LESS THAN 1.0%)

FIGURE 7. 1983 Water Use by Surface Water Basin

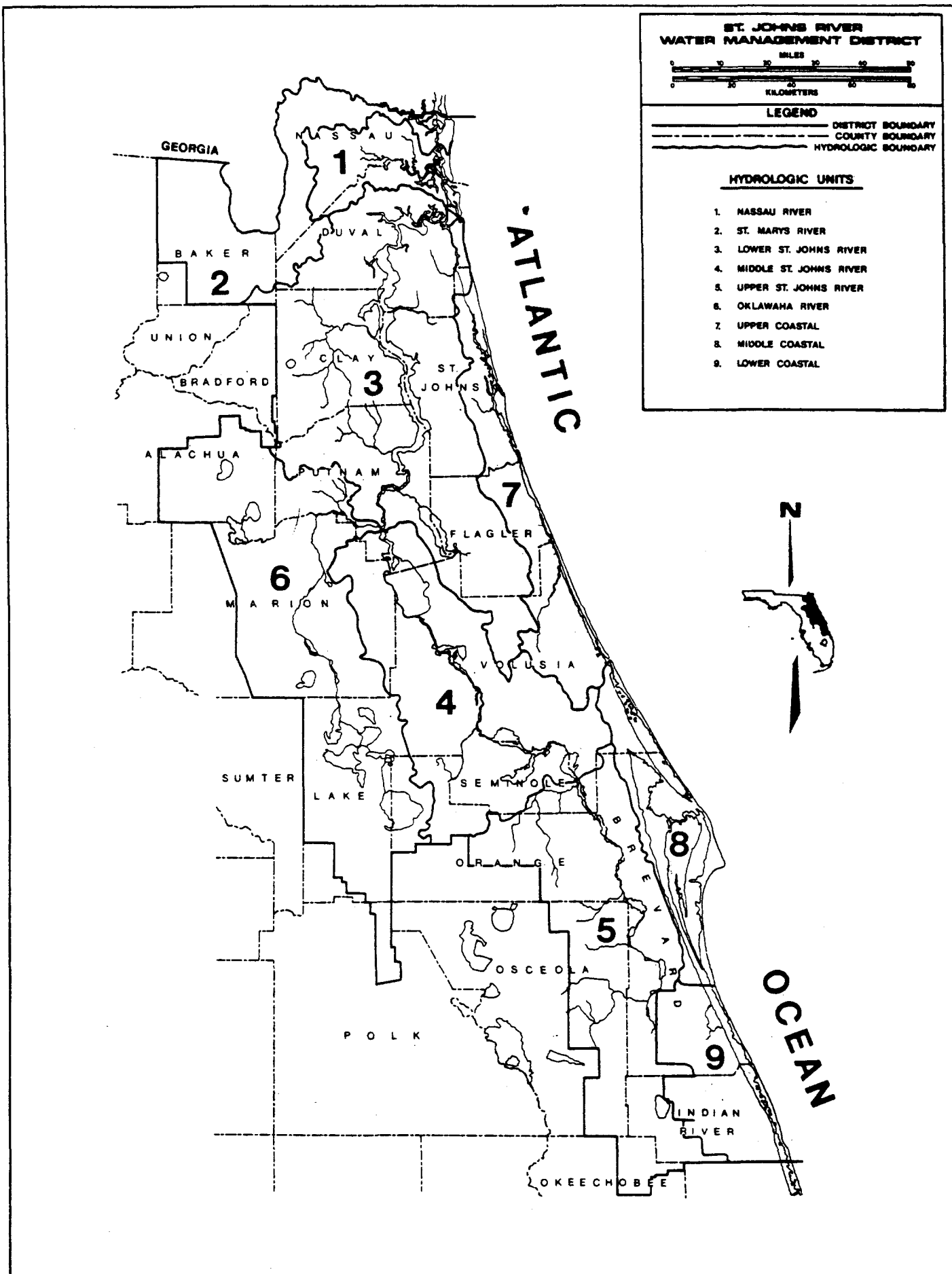


FIGURE 8. St. Johns River Water Management District  
Hydrologic (Surface) Basin Map





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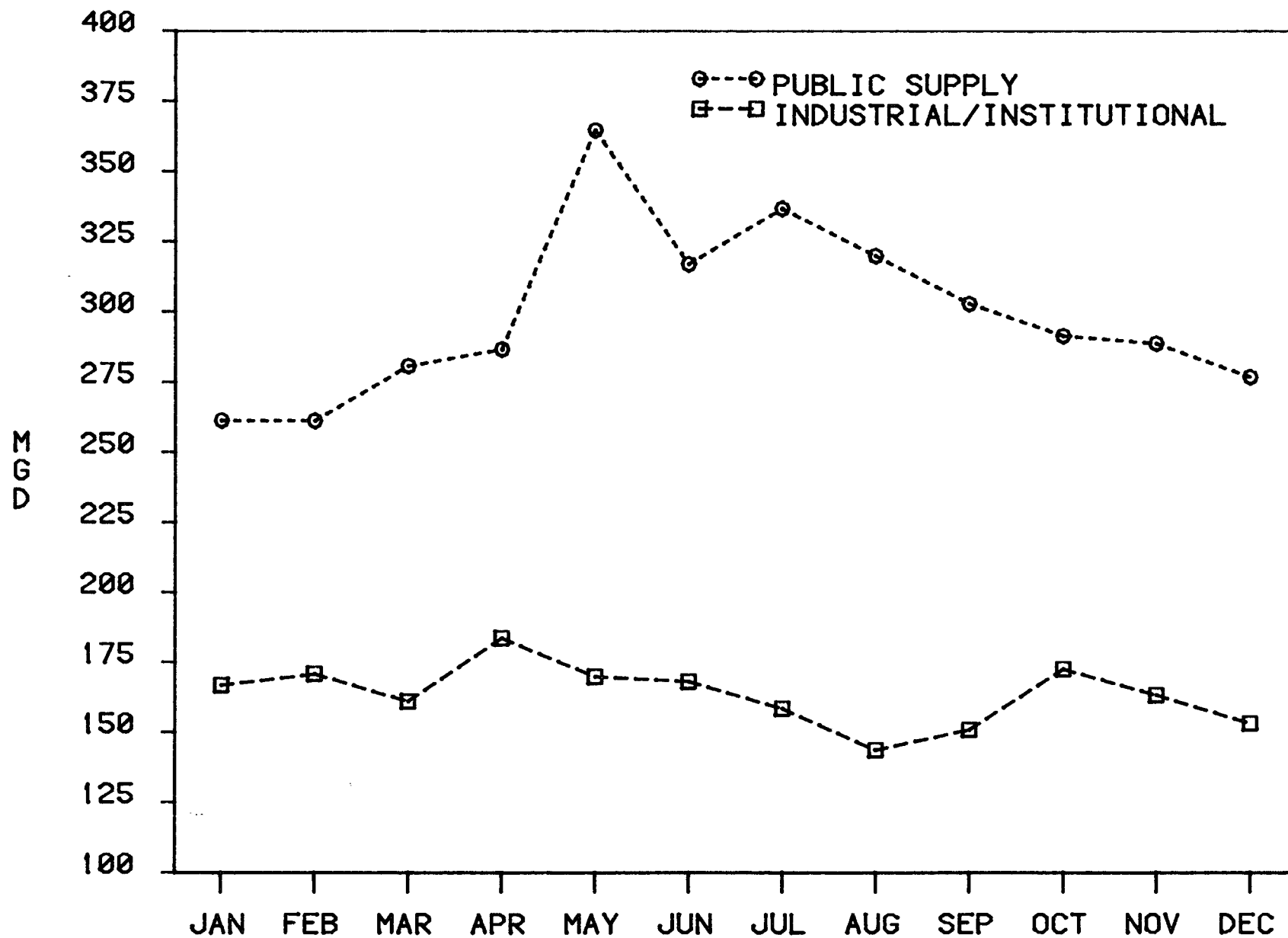


FIGURE A-1 MONTHLY FRESH WATER USE IN ST. JOHNS RIVER W.M.D. FOR 1983



FLORIDA - 1983

Total Population: 10,591,701

Total Land Area: 58,560 sq. miles (37,478,400 acres)

St. Johns River Water Management Portion

Population: 2,469,147

Population Public Supply: 1,956,792

Population Domestic Self-supplied: 512,355

Gallons Per Capita Day: 153

Area: 12,341 sq. miles (7,898,240 acres)

Acres Farmed: 1,129,400

Acres Irrigated: 375,412

Fresh Water Use 1983 (MGD)

	GROUND	SURFACE	TOTAL
Public	287.49*	11.91	299.40
Domestic	80.99	0.0	80.99
Industrial	120.91	42.76	163.67
Agricultural Irrigation	493.47	254.98	748.45
Thermoelectric	4.54	2.30	6.84
Heat pump/air condition	149.96	0.0	149.96
TOTALS	1,137.36*	311.95	1,449.31

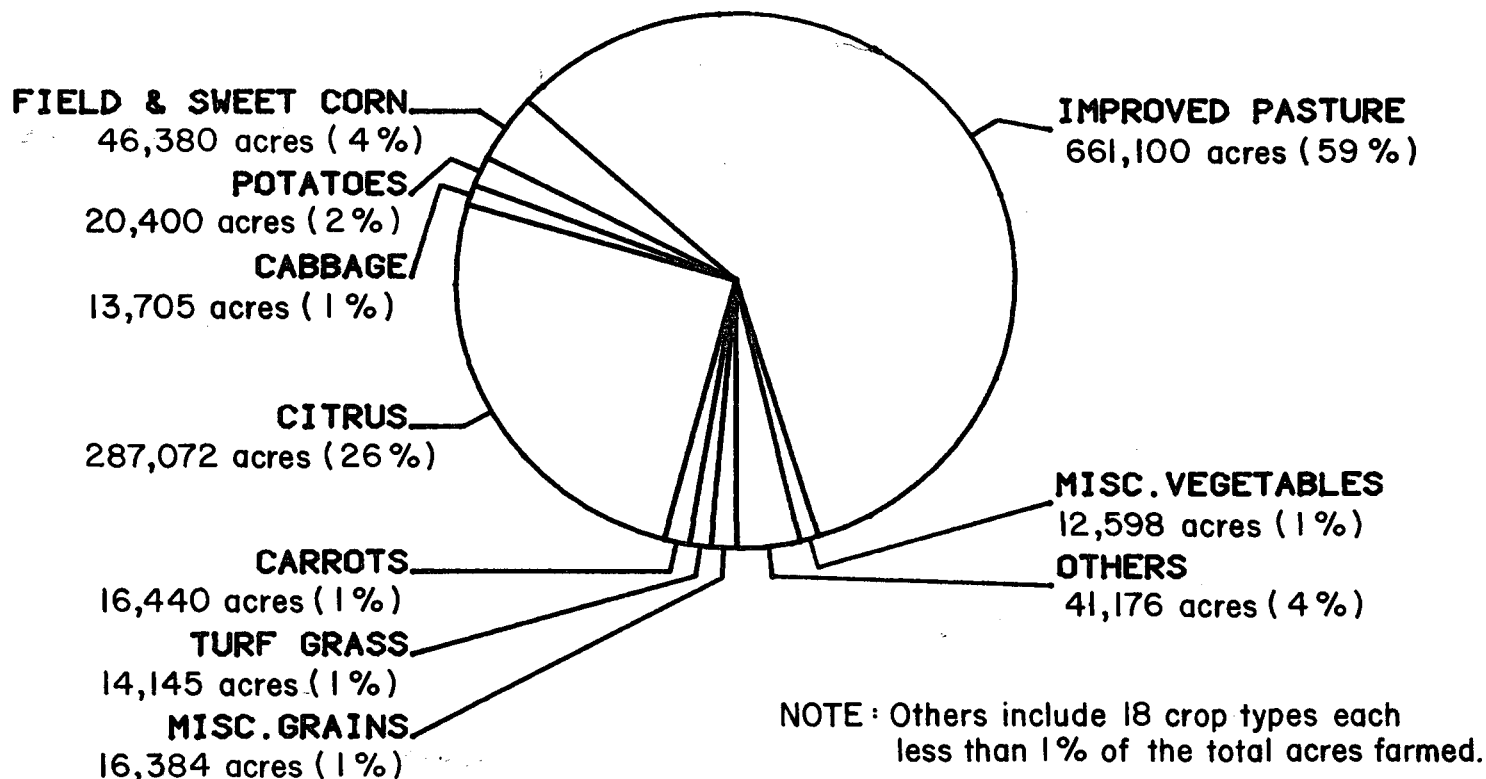
\* Includes 0.55 MGD saline ground water used for Reverse Osmosis (R/O).

TABLE A-1: TOTAL DISTRICT ACRES FARMED AND IRRIGATED

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
WATER RESOURCES DEPARTMENT - RESOURCE EVALUATION DIVISION  
1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	13,705	13,575	1,525	6,800	5,250	0
CARROTS	16,440	16,440	0	0	16,440	0
CUCUMBERS	2,980	2,750	130	1,650	970	0
POTATOES	20,400	20,400	0	15,000	5,400	0
SWEET CORN	17,240	17,140	0	540	16,600	0
WATERCRESS	150	150	0	0	150	0
MISC. VEGETABLES	12,598	11,213	5,538	1,373	4,302	0
BLUEBERRIES	355	285	77	15	5	188
CITRUS	287,072	170,019	83,938	340	49,001	36,740
GRAPES	99	96	67	0	0	29
PEACHES	250	150	100	0	0	50
PEANUTS	2,250	588	588	0	0	0
PECANS	3,090	40	0	0	0	40
WATERMELONS	4,005	2,213	2,213	0	0	0
MISC. FRUIT	15	15	15	0	0	0
FIELD CORN	29,140	17,551	2,425	10,000	5,126	0
RICE	80	80	0	0	80	0
SORGHUM	6,140	3,390	700	0	2,690	0
SOYBEANS	7,139	2,765	2,225	40	500	0
TOBACCO	282	160	160	0	0	0
MISC. GRAINS	16,384	1,050	1,050	0	0	0
WHEAT	100	100	0	0	100	0
FERNS	5,535	4,910	4,910	0	0	0
FLOWERS & FOLIAGE	1,826	1,826	1,339	10	220	257
IMPROVED PASTURE	661,100	74,679	4,115	1,000	69,564	0
WOODY ORNAMENTALS	3,800	2,997	2,982	0	0	15
SOD	3,080	2,470	2,070	0	400	0
TURF GRASS	14,145	8,360	8,360	0	0	0
	=====	=====	=====	=====	=====	=====
	1,129,400	375,412	124,527	36,768	176,798	37,319

# ACRES FARMED IN THE ST. JOHNS RIVER WMD 1983



# ACRES IRRIGATED IN THE ST. JOHNS RIVER WMD 1983

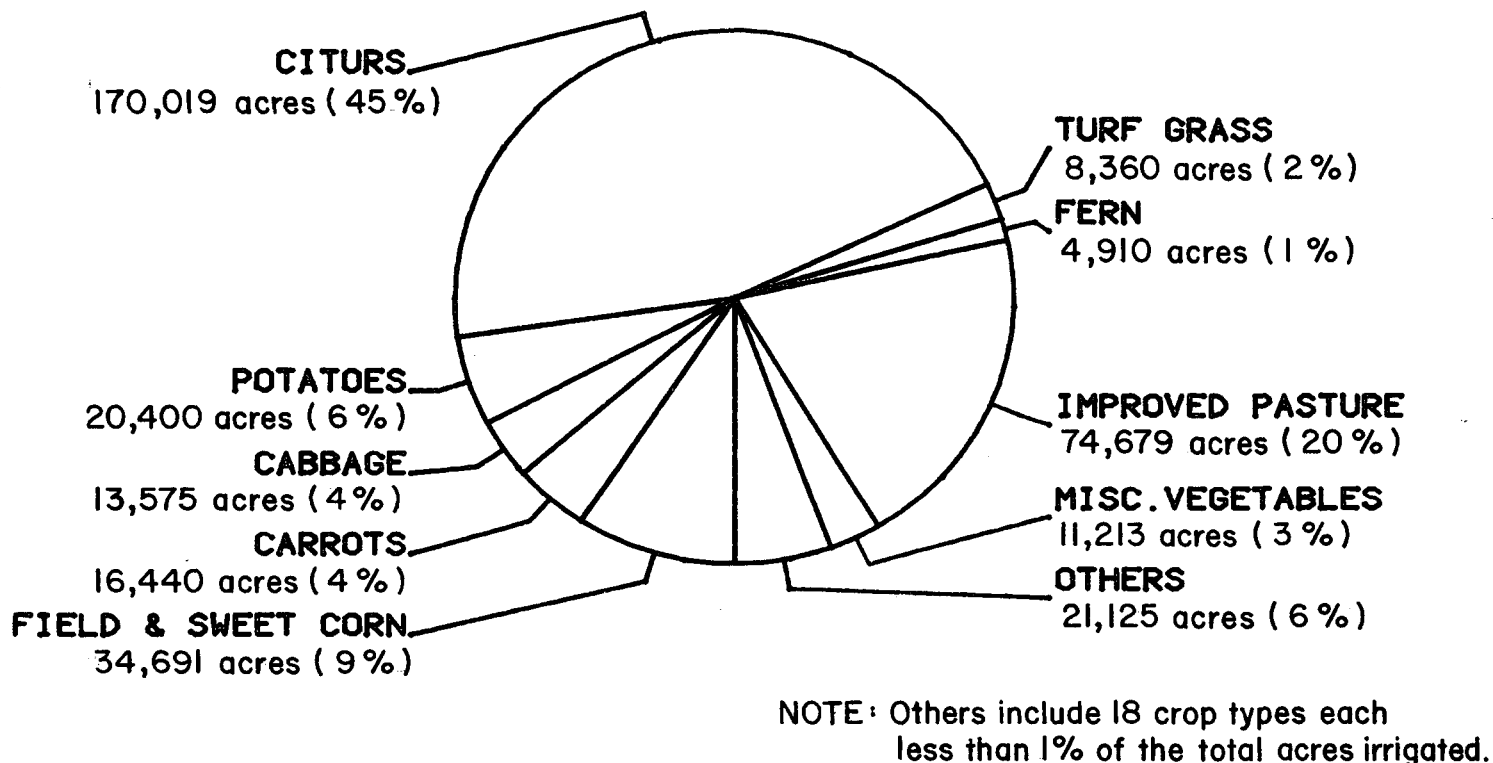


FIGURE A-2

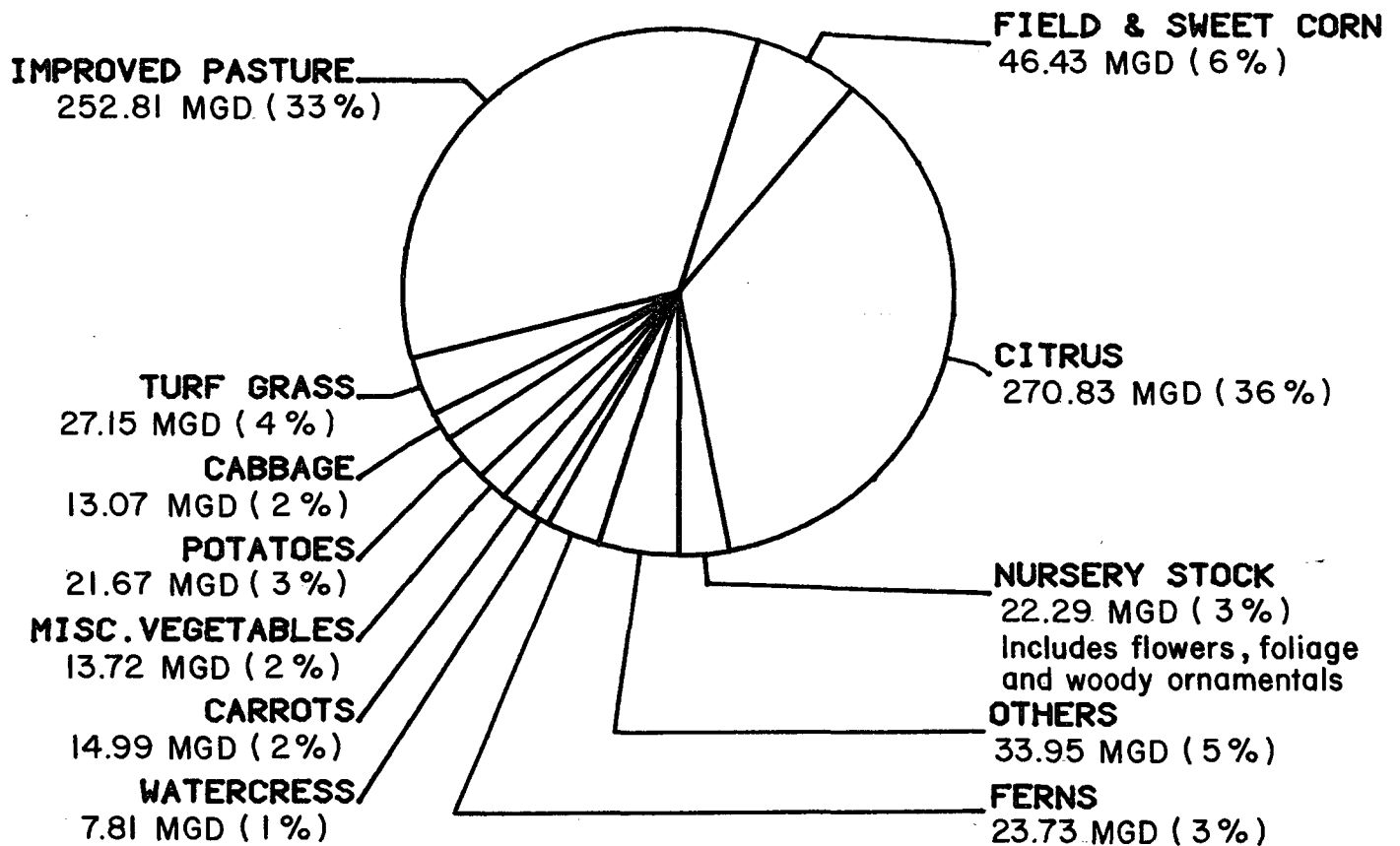
TABLE A-2 IRRIGATION WATER USE

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
 WATER RESOURCES DEPARTMENT - RESOURCE EVALUATION DIVISION  
 1983 CALENDAR YEAR

CROP TYPE	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	14,642	13.07	0.00	0.00	13.07
CARROTS	16,795	2.68	12.31	0.00	14.99
CUCUMBERS	2,333	2.07	0.00	0.00	2.07
POTATOES	24,276	21.11	0.56	0.00	21.67
SWEET CORN	22,229	3.74	16.10	0.00	19.84
WATERCRESS	8,750	7.81	0.00	0.00	7.81
MISC. VEGETABLES	15,353	13.59	0.13	0.00	13.72
BLUEBERRIES	341	0.32	0.00	0.00	0.32
CITRUS	303,369	164.41	106.42	0.00	270.83
GRAPES	178	0.17	0.00	0.00	0.17
PEACHES	417	0.30	0.07	0.00	0.37
PEANUTS	449	0.40	0.01	0.00	0.41
PECANS	114	0.10	0.00	0.00	0.10
WATERMELONS	1,717	1.39	0.13	0.00	1.52
MISC. FRUIT	22	0.02	0.00	0.00	0.02
FIELD CORN	29,786	13.17	13.42	0.00	26.59
RICE	173	0.00	0.15	0.00	0.15
SORGHUM	4,660	1.15	3.01	0.00	4.16
SOYBEANS	2,980	2.29	0.37	0.00	2.66
TOBACCO	152	0.14	0.00	0.00	0.14
MISC. GRAINS	612	0.44	0.11	0.00	0.55
WHEAT	48	0.04	0.00	0.00	0.04
FERNS	26,593	23.39	0.34	0.00	23.73
FLOWERS & FOLIAGE	9,463	7.66	0.77	0.00	8.43
IMPROVED PASTURE	283,181	166.12	86.69	0.00	252.81
WOODY ORNAMENTALS	15,542	13.86	0.00	0.00	13.86
SOD	9,389	7.13	0.00	1.25	7.13
TURF GRASS	30,439	19.67	7.48	1.96	27.15
LIVESTOCK	0	7.23	6.91	0.00	14.14
	824,003	493.47	254.98	3.21	748.45



# **IRRIGATED WATER USE IN THE ST. JOHNS RIVER WMD 1983**



NOTE: Others include 15 crop types and livestock water use each less than 1% of the total use.

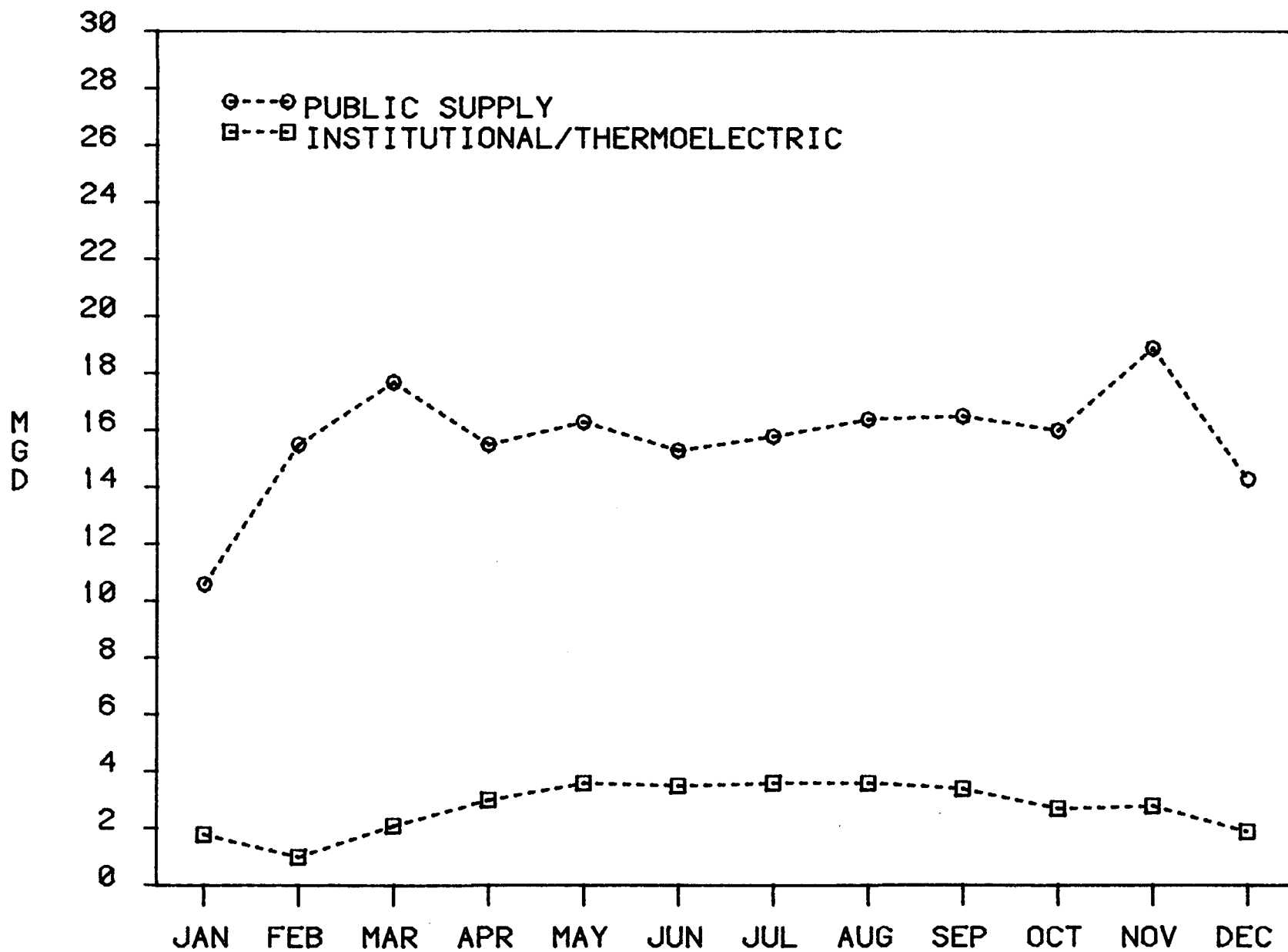


FIGURE A-4 MONTHLY FRESH WATER USE IN ALACHUA COUNTY FOR 1983

COUNTY: Alachua - 1983

Total Population: 162,404

Total Land Area: 961 sq.miles

St. Johns River Water Management Portion

Population: 114,158

Population Public Supply: 105,555

Population Domestic Self-supplied: 8,603

Gallons Per Capita Day: 149

Area: 482 sq. miles (308,480 acres)

Acres Farmed: 87,416

Acres Irrigated: 9,697

Fresh Water Use 1983 (MGD)

	GROUND	SURFACE	TOTAL
Public	15.73	0.0	15.73
Domestic	1.28	0.0	1.28
Industrial	1.44	0.09	1.53
Agricultural Irrigation	10.67	1.37	12.04
Thermoelectric	1.27	0.0	1.27
Heat pump/air condition	0.0	0.0	0.0
TOTALS	30.39	1.46	31.85

TABLE A-3 ACRES FARMED AND IRRIGATED

## ALACHUA COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	2,626	2,626	2,626	0	0	0
BLUEBERRIES	125	125	13	0	0	112
CITRUS	200	100	100	0	0	0
GRAPES	20	20	0	0	0	20
PEACHES	250	150	100	0	0	50
PEANUTS	200	100	100	0	0	0
PECANS	3,000	0	0	0	0	0
WATERMELONS	1,250	813	813	0	0	0
MISC. FRUIT	15	15	15	0	0	0
FIELD CORN	7,000	900	900	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	4,000	2,025	2,025	0	0	0
TOBACCO	100	80	80	0	0	0
MISC. GRAINS	10,500	1,050	1,050	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	225	225	203	0	0	22
IMPROVED PASTURE	57,000	1,200	1,200	0	0	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	500	0	0	0	0	0
TURF GRASS	405	268	268	0	0	0
	87,416	9,697	9,493	0	0	204

TABLE A-4 IRRIGATION WATER USE

## ALACHUA COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	11.70	0.00	0.00	2,560	2.29	0.00	0.00	2.29
BLUEBERRIES	10.00	0.00	8.00	85	0.08	0.00	0.00	0.08
CITRUS	17.19	0.00	0.00	143	0.13	0.00	0.00	0.13
GRAPES	0.00	0.00	19.33	32	0.03	0.00	0.00	0.03
PEACHES	34.70	0.00	30.83	417	0.30	0.07	0.00	0.37
PEANUTS	7.50	0.00	0.00	62	0.05	0.01	0.00	0.06
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	9.66	0.00	0.00	654	0.47	0.11	0.00	0.58
MISC. FRUIT	18.00	0.00	0.00	22	0.02	0.00	0.00	0.02
FIELD CORN	15.85	0.00	0.00	1,188	0.85	0.21	0.00	1.06
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	12.20	0.00	0.00	2,058	1.47	0.37	0.00	1.84
TOBACCO	11.54	0.00	0.00	76	0.07	0.00	0.00	0.07
MISC. GRAINS	7.00	0.00	0.00	612	0.44	0.11	0.00	0.55
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	65.00	0.00	48.00	1,187	1.06	0.00	0.00	1.06
IMPROVED PASTURE	27.61	0.00	0.00	2,761	1.97	0.49	0.00	2.46
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	36.28	0.00	0.00	810	0.72	0.00	0.00	0.72
LIVESTOCK	0.00	0.00	0.00	0	0.72	0.00	0.00	0.72
				12,667	10.67	1.37	0.00	12.04

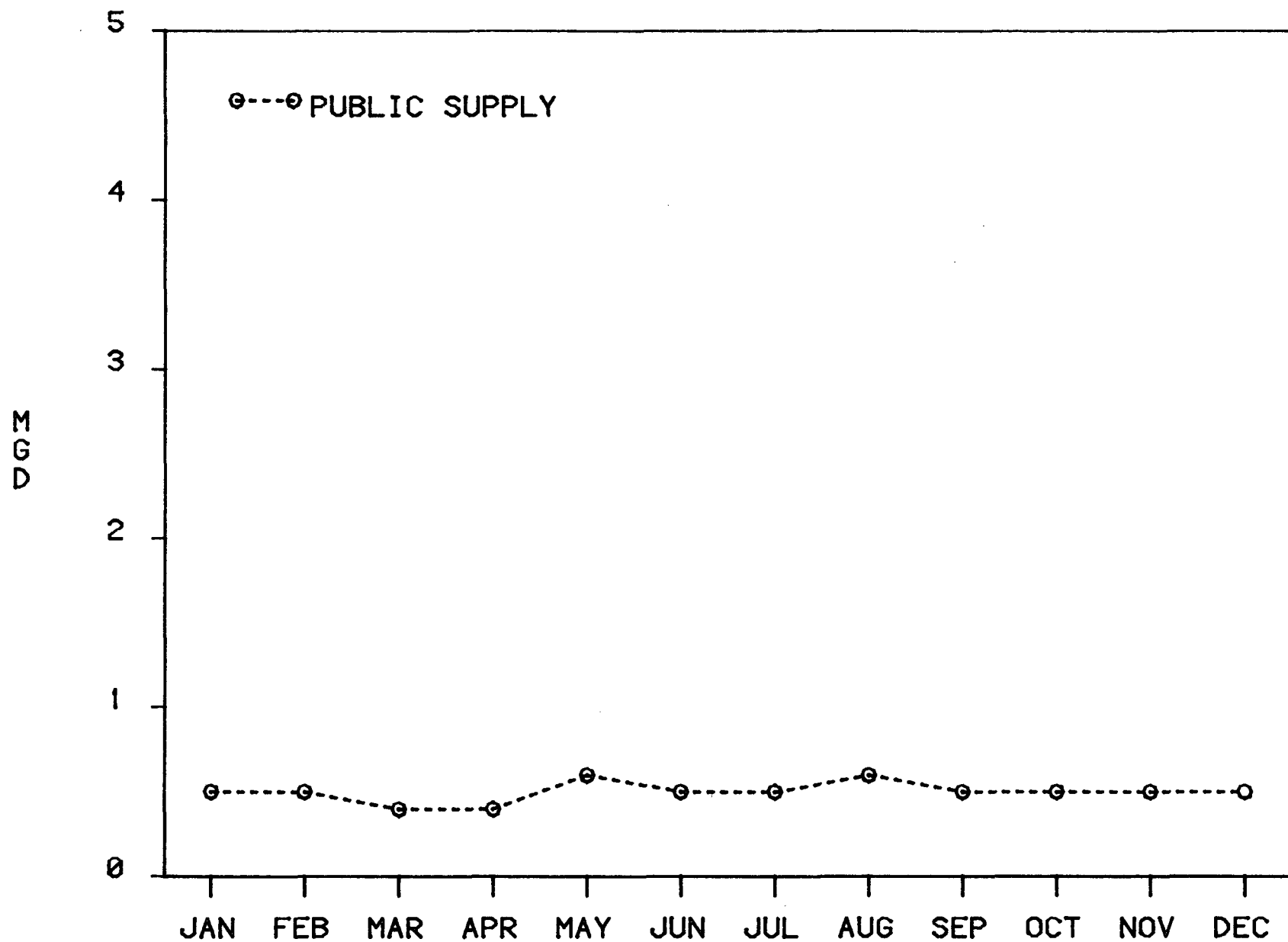


FIGURE A-5 MONTHLY FRESH WATER USE IN BAKER COUNTY FOR 1983

COUNTY: Baker - 1983

Total Population: 16,525

Total Land Area: 588 sq.miles

St. Johns River Water Management Portion

Population: 15,699

Population Public Supply: 3,973

Population Domestic Self-supplied: 11,726

Gallons Per Capita Day: 127

Area: 536 sq. miles (343,040 acres)

Acres Farmed: 14,000

Acres Irrigated: 680

Fresh Water Use 1983 (MGD)

	GROUND	SURFACE	TOTAL
Public	0.50	0.0	0.50
Domestic	1.49	0.0	1.49
Industrial	0.21	0.0	0.21
Agricultural Irrigation	2.75	0.59	3.34
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	4.95	0.59	5.54

TABLE A-5 ACRES FARMED AND IRRIGATED

BAKER COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	100	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	100	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	522	100	100	0	0	0
BLUEBERRIES	25	0	0	0	0	0
CITRUS	0	0	0	0	0	0
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	50	0	0	0	0	0
PECANS	50	0	0	0	0	0
WATERMELONS	400	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	600	0	0	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	599	0	0	0	0	0
TOBACCO	145	80	80	0	0	0
MISC. GRAINS RYE	1,584	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	0	0	0	0	0	0
IMPROVED PASTURE	8,500	0	0	0	0	0
WOODY ORNAMENTALS	1,200	400	400	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	125	100	100	0	0	0
	14,000	680	680	0	0	0



TABLE A-6 IRRIGATION WATER USE

BAKER COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	11.70	0.00	0.00	97	0.09	0.00	0.00	0.09
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	11.54	0.00	0.00	76	0.07	0.00	0.00	0.07
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
IMPROVED PASTURE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WOODY ORNAMENTALS	65.00	0.00	0.00	2,166	1.93	0.00	0.00	1.93
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	33.23	0.00	0.00	276	0.25	0.00	0.00	0.25
LIVESTOCK	0.00	0.00	0.00	0	0.41	0.59	0.00	1.00
				2,615	2.75	0.59	0.00	3.34

**NOTE: THERE WAS NO PUBLIC OR INDUSTRIAL PUMPAGE IN BRADFORD COUNTY  
WITHIN THE ST.JOHNS RIVER WATER MANAGEMENT DISTRICT FOR 1983.**

COUNTY: Bradford - 1983

Total Population: 22,814

Total Land Area: 305 sq.miles

St. Johns River Water Management Portion

Population : 1,588

Population Public Supply: -0-

Population Domestic Self-supplied: 1,588

Gallons Per Capita Day: 153 - District average

Land Area: 6 sq.miles (3,840 acres)

Acres Farmed: 40

Acres Irrigated: 40

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	0.0	0.0	0.0
Domestic	0.24	0.0	0.24
Industrial	0.0	0.0	0.0
Agricultural Irrigation	0.10	0.0	0.10
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	0.34	0.0	0.34

TABLE A-7 ACRES FARMED AND IRRIGATED

BRADFORD COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	0	0	0	0	0	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	0	0	0	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	0	0	0	0	0	0
IMPROVED PASTURE	0	0	0	0	0	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	40	40	40	0	0	0
	40	40	40	0	0	0

TABLE A-8 IRRIGATION WATER USE

BRADFORD COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
IMPROVED PASTURE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	35.28	0.00	0.00	117	0.10	0.00	0.00	0.10
LIVESTOCK	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
				117	0.10	0.00	0.00	0.10

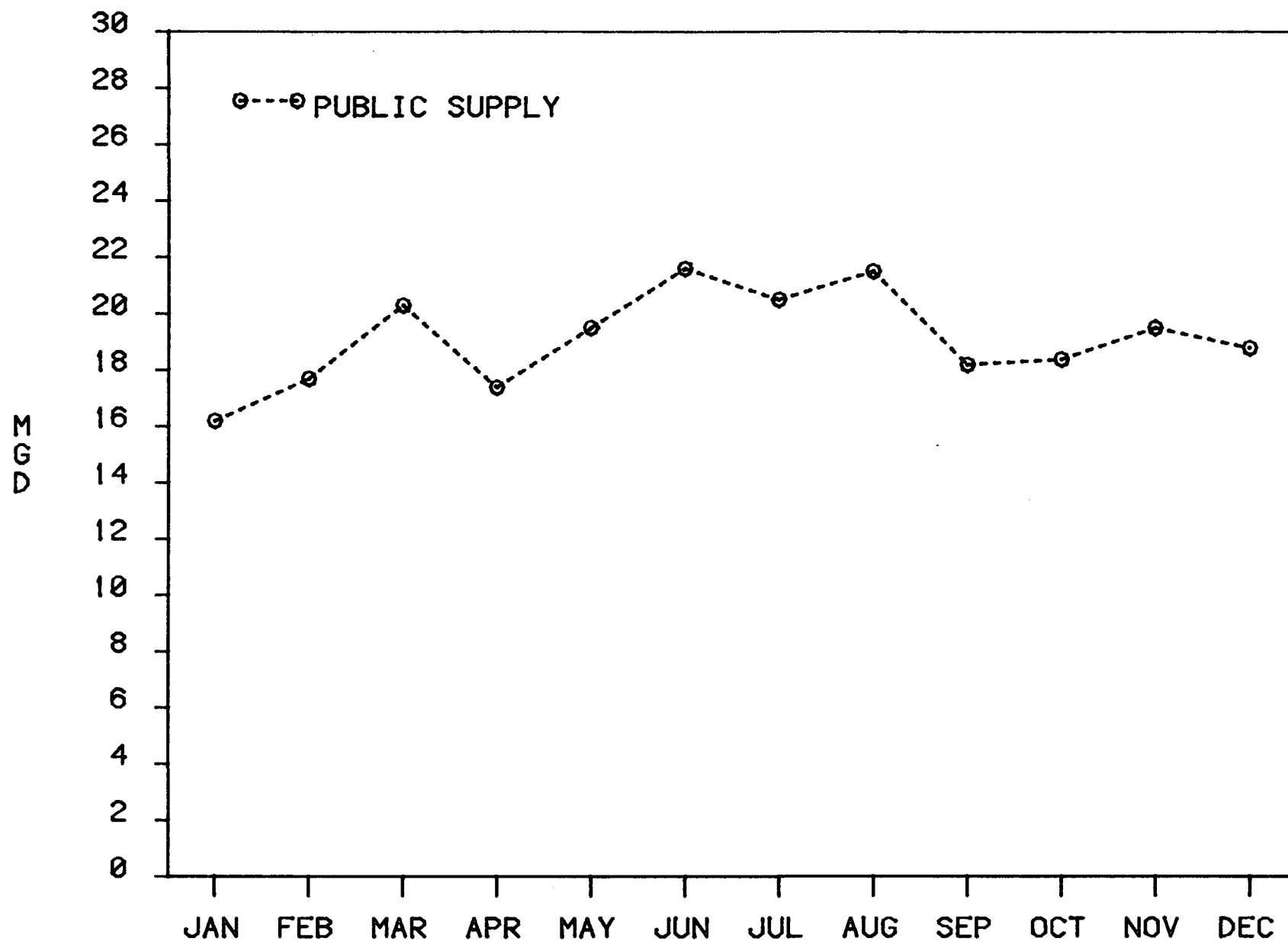


FIGURE A-6 MONTHLY FRESH WATER USE IN BREVARD COUNTY FOR 1983

COUNTY: Brevard - 1983

Total Population: 308,571

Total Land Area: 1,310 sq.miles

St. Johns River Water Management Portion

Population : 308,571

Population Public Supply: 274,590

Population Domestic Self-supplied: 33,981

Gallons Per Capita Day: 131

Land Area: 1,310 sq.miles (636,800 acres)

Acres Farmed: 147,912

Acres Irrigated: 36,106

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	7.22	11.91	19.13
Domestic	4.45	0.0	4.45
Industrial	0.16	0.0	0.16
Agricultural Irrigation	76.99	15.64	92.63
Thermoelectric	0.31	0.0	0.31
Heat pump/air condition	141.51	0.0	141.51
TOTALS	230.64	27.55	258.19

TABLE A-9 ACRES FARMED AND IRRIGATED

## BREVARD COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	200	150	50	0	100	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	23,000	17,599	8,448	0	8,271	880
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	150	150	150	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	60	0	0	0	0	0
SORGHUM	50	50	0	0	50	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	10	10	10	0	0	0
IMPROVED PASTURE	121,700	15,834	0	0	15,834	0
WOODY ORNAMENTALS	190	190	190	0	0	0
SOD	1,000	1,000	1,000	0	0	0
TURF GRASS	1,552	1,123	1,123	0	0	0
	147,912	36,106	10,971	0	24,255	880



TABLE A-10 IRRIGATION WATER USE

## BREVARD COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	13.81	22.10	0.00	241	0.16	0.06	0.00	0.22
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	17.46	27.93	15.52	32,680	23.38	5.79	0.00	29.17
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	9.97	0.00	0.00	124	0.09	0.02	0.00	0.11
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SORGHUM	0.00	13.80	0.00	57	0.05	0.00	0.00	0.05
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	65.00	0.00	0.00	54	0.05	0.00	0.00	0.05
IMPROVED PASTURE	0.00	46.11	0.00	60,842	47.26	7.06	0.00	54.32
WOODY ORNAMENTALS	42.61	0.00	0.00	674	0.60	0.00	0.00	0.60
SOD	45.76	0.00	0.00	3,813	3.40	0.00	0.00	3.40
TURF GRASS	45.76	0.00	0.00	4,282	1.48	2.34	0.50	3.82
LIVESTOCK	0.00	0.00	0.00	0	0.52	0.37	0.00	0.89
				102,767	76.99	15.64	0.50	92.63

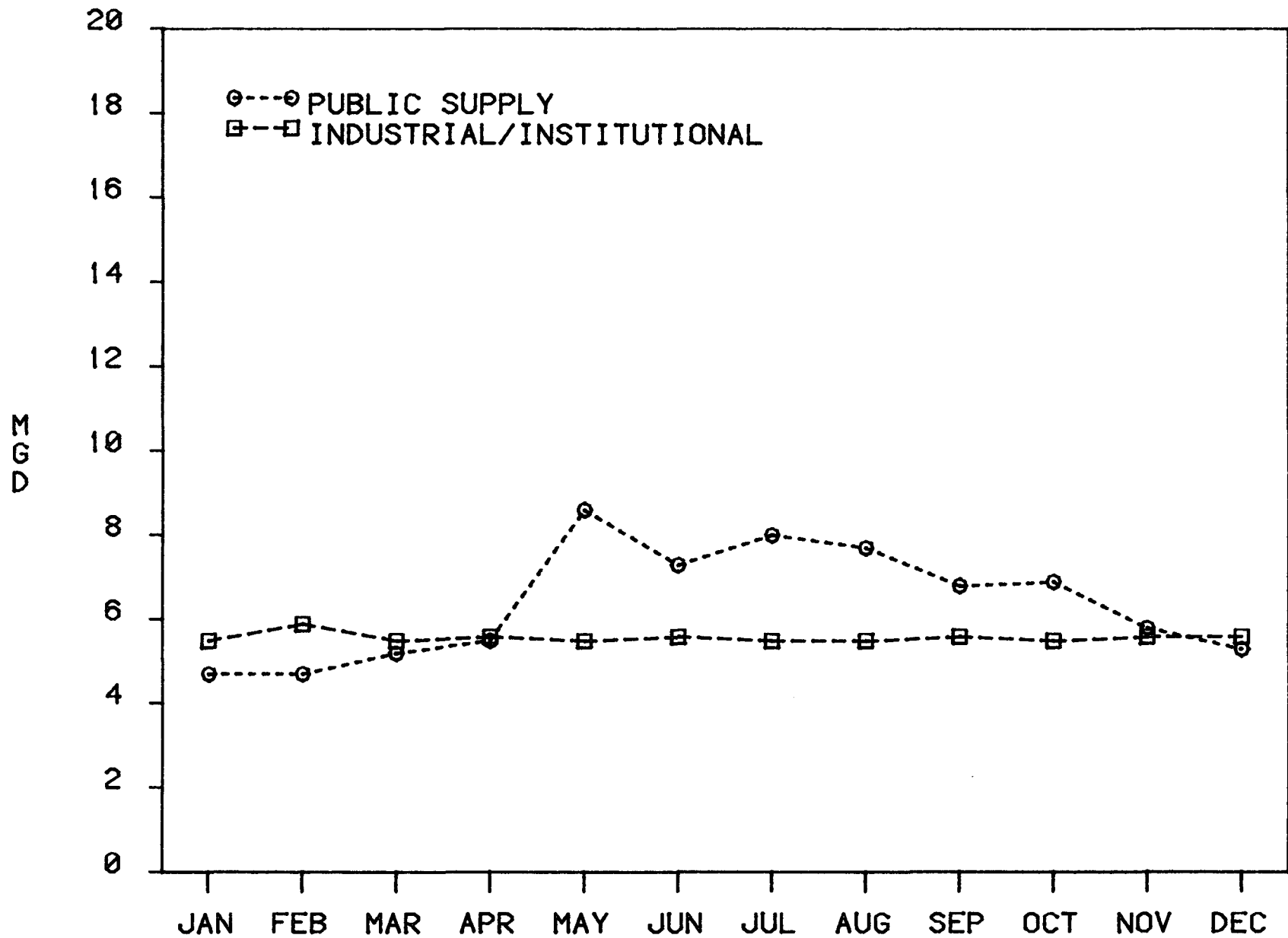


FIGURE A-7 MONTHLY FRESH WATER USE IN CLAY COUNTY FOR 1983

COUNTY: Clay - 1983

Total Population: 74,524

Total Land Area: 644 sq.miles

St. Johns River Water Management Portion

Population : 74,524

Population Public Supply: 54,525

Population Domestic Self-supplied: 19,999

Gallons Per Capita Day: 117

Land Area: 643 sq.miles (411,520 acres)

Acres Farmed: 43,779

Acres Irrigated: 518

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	6.39	0.0	6.39
Domestic	2.34	0.0	2.34
Industrial	5.58	0.0	5.58
Agricultural Irrigation	2.12	1.27	3.39
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	16.43	1.27	17.70

TABLE A-II ACRES FARMED AND IRRIGATED

CROP TYPE	CLAY		COUNTY			
	1983 CALENDAR YEAR					
	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	200	50	50	0	0	0
BLUEBERRIES	15	13	0	10	0	3
CITRUS	0	0	0	0	0	0
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	500	0	0	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	2,800	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	50	50	50	0	0	0
IMPROVED PASTURE	40,000	275	100	0	175	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	214	130	130	0	0	0
	43,779	518	330	10	175	3

TABLE A-12 IRRIGATION WATER USE

CROP TYPE	CLAY COUNTY							
	1983 CALENDAR YEAR							
	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	18.92	0.00	0.00	78	0.07	0.00	0.00	0.07
BLUEBERRIES	0.00	16.00	12.00	16	0.01	0.00	0.00	0.01
CITRUS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	65.00	0.00	0.00	270	0.24	0.00	0.00	0.24
IMPROVED PASTURE	26.46	0.00	0.00	220	0.20	0.00	0.00	0.20
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	35.28	0.00	0.00	382	0.34	0.00	0.00	0.34
LIVESTOCK	0.00	0.00	0.00	0	1.26	1.27	0.00	2.53
				966	2.12	1.27	0.00	3.39

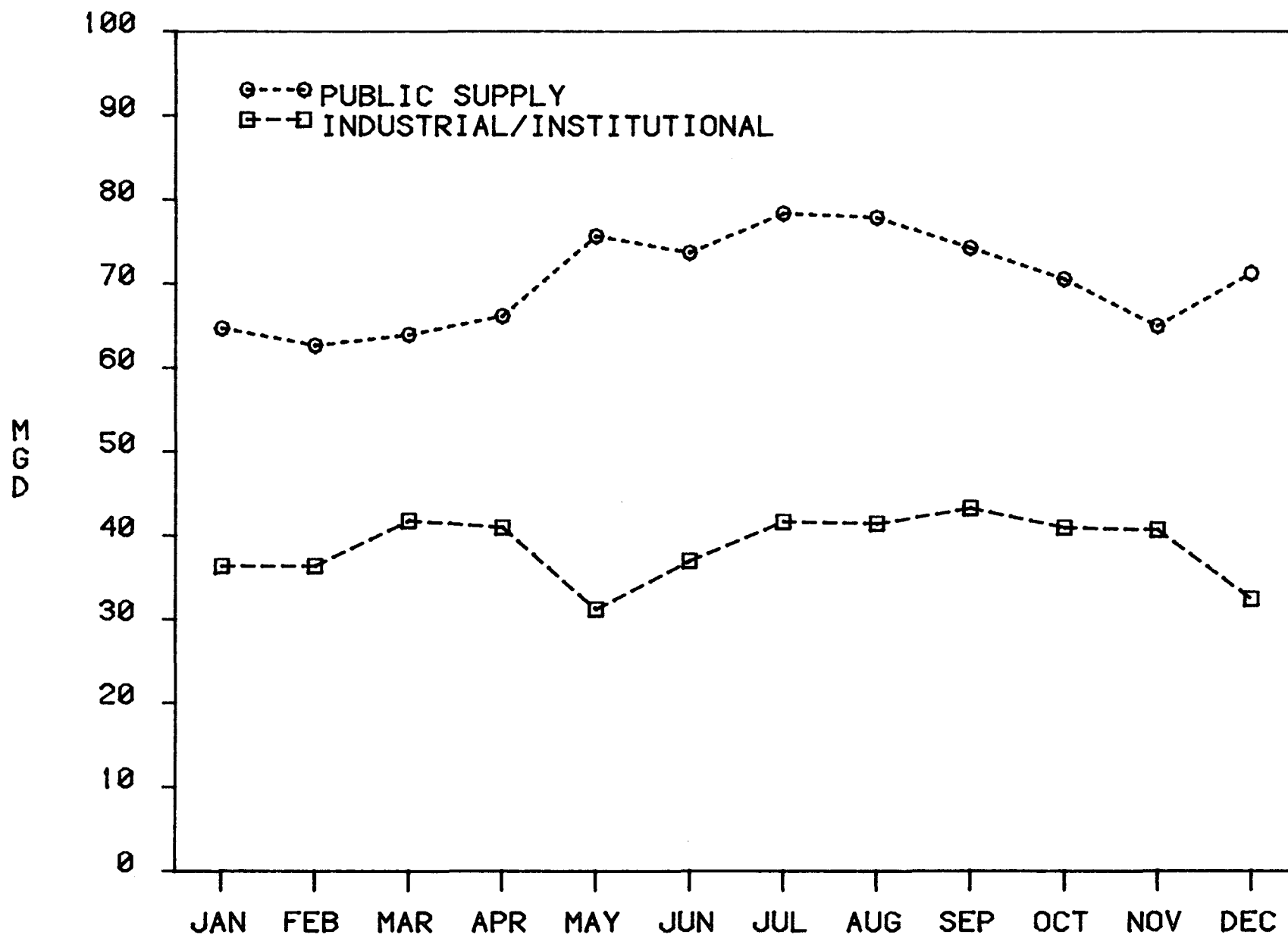


FIGURE A-8

MONTHLY FRESH WATER USE IN DUVAL COUNTY FOR 1983

COUNTY: Duval - 1983

Total Population: 587,076

Total Land Area: 840 sq.miles

St. Johns River Water Management Portion

Population : 587,076

Population Public Supply: 467,539

Population Domestic Self-supplied: 119,537

Gallons Per Capita Day: 151

Land Area: 840 sq.miles (537,600 acres)

Acres Farmed: 15,744

Acres Irrigated: 2,249

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	70.45	0.0	70.45
Domestic	18.05	0.0	18.05
Industrial	38.69	0.0	38.69
Agricultural Irrigation	4.72	2.29	7.01
Thermoelectric	1.98	0.0	1.98
Heat pump/air condition	0.0	0.0	0.0
TOTALS	133.89	2.29	136.18

**DUVAL**

TABLE A-13 ACRES FARMED AND IRRIGATED

DUVAL COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	200	4	4	0	0	0
BLUEBERRIES	20	12	9	0	3	0
CITRUS	0	0	0	0	0	0
GRAPES	10	7	0	0	0	7
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	200	1	1	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	15	15	0	0	0	15
IMPROVED PASTURE	12,000	500	460	0	40	0
WOODY ORNAMENTALS	57	57	42	0	0	15
SOD (1)	250	240	240	0	0	0
TURF GRASS	2,992	1,413	1,413	0	0	0
	15,744	2,249	2,169	0	43	37



TABLE A-14 IRRIGATION WATER USE

DUVAL COUNTY								
1983 CALENDAR YEAR								
CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	6.98	0.00	0.00	2	0.00	0.00	0.00	0.00
BLUEBERRIES	10.00	0.00	0.00	7	0.01	0.00	0.00	0.01
CITRUS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
GRAPES	0.00	0.00	19.83	11	0.01	0.00	0.00	0.01
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	15.65	0.00	0.00	1	0.00	0.00	0.00	0.00
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	0.00	0.00	30.00	37	0.03	0.00	0.00	0.03
IMPROVED PASTURE	27.39	43.82	0.00	1,195	0.85	0.22	0.00	1.07
WOODY ORNAMENTALS	60.00	0.00	48.00	270	0.24	0.00	0.00	0.24
SOD	70.00	0.00	0.00	1,400	0.00	0.00	1.25	0.00
TURF GRASS	35.28	0.00	0.00	4,154	3.20	0.51	0.00	3.71
LIVESTOCK	0.00	0.00	0.00	0	0.38	1.56	0.00	1.94
				7,077	4.72	2.29	1.25	7.01

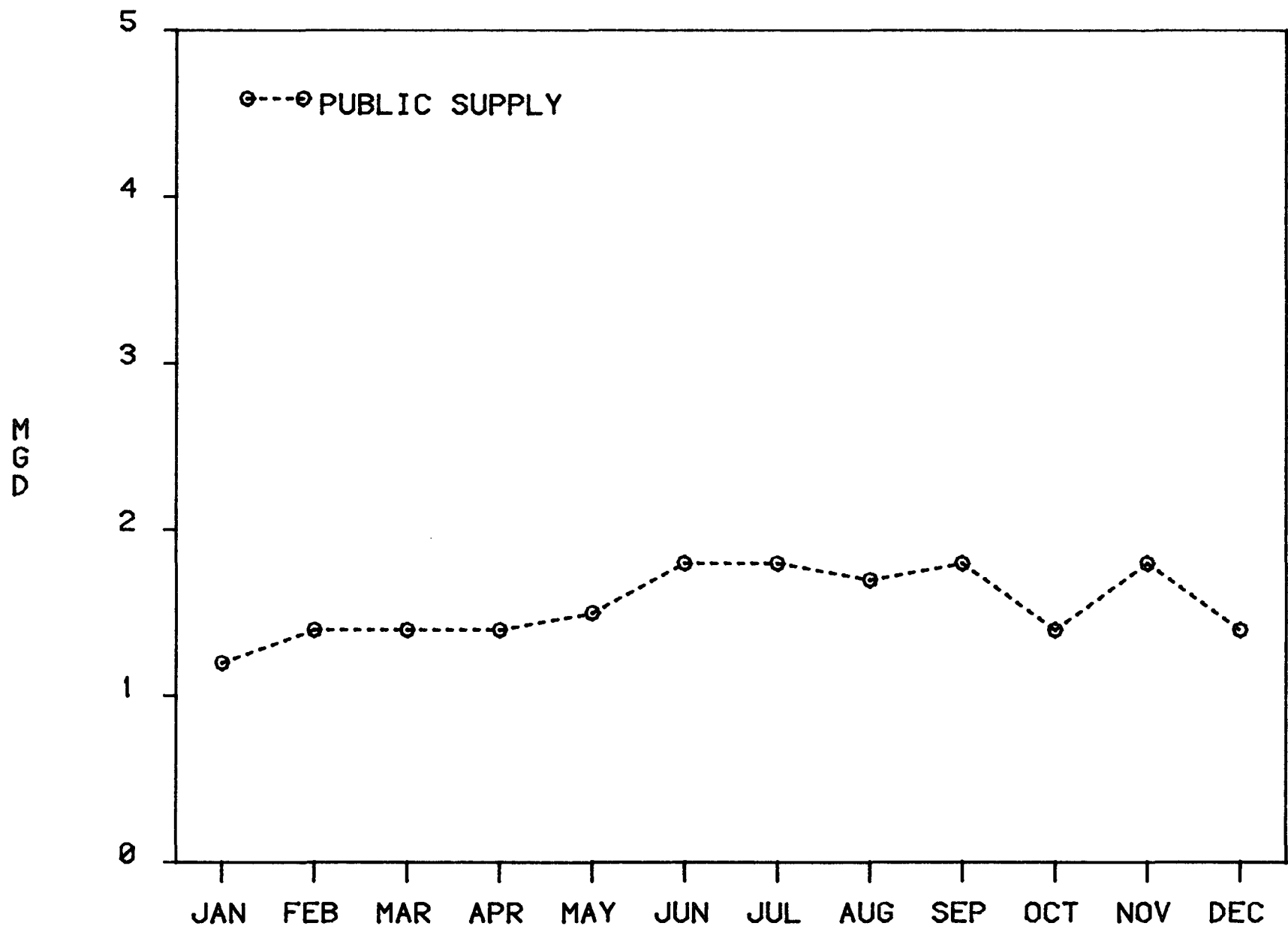


FIGURE A-9 MONTHLY FRESH WATER USE IN FLAGLER COUNTY FOR 1983

COUNTY: Flagler - 1983

Total Population: 13,786

Total Land Area: 504 sq.miles

St. Johns River Water Management Portion

Population : 13,786

Population Public Supply: 11,759

Population Domestic Self-supplied: 2,027

Gallons Per Capita Day: 132

Land Area: 504 sq.miles (322,560 acres)

Acres Farmed: 23,921

Acres Irrigated: 5,933

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	1.55	0.0	1.55
Domestic	0.27	0.0	0.27
Industrial	0.0	0.0	0.0
Agricultural Irrigation	6.45	0.17	6.62
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	8.27	0.17	8.44

TABLE A-15 ACRES FARMED AND IRRIGATED

## FLAGLER COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	2,000	2,000	1,200	0	800	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	1,800	1,800	0	0	1,800	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	1,000	1,000	1,000	0	0	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	150	150	0	0	150	0
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	200	200	200	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	500	500	0	0	500	0
SORGHUM	1,500	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	0	0	0	0	0	0
IMPROVED PASTURE	16,500	100	0	0	100	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	271	183	183	0	0	0
	23,921	5,933	2,583	0	3,350	0

TABLE A-16 IRRIGATION WATER USE

FLAGLER COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	11.72	18.76	0.00	2,422	2.16	0.00	0.00	2.16
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	14.21	0.00	2,131	1.90	0.00	0.00	1.90
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	3.02	0.00	0.00	251	0.22	0.00	0.00	0.22
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	0.00	26.25	0.00	328	0.29	0.00	0.00	0.29
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	9.66	0.00	0.00	161	0.14	0.00	0.00	0.14
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	25.53	0.00	1,063	0.95	0.00	0.00	0.95
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
IMPROVED PASTURE	0.00	42.83	0.00	356	0.32	0.00	0.00	0.32
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	38.34	0.00	0.00	584	0.40	0.12	0.00	0.52
LIVESTOCK	0.00	0.00	0.00	0	0.07	0.05	0.00	0.12
				7,296	6.45	0.17	0.00	6.62

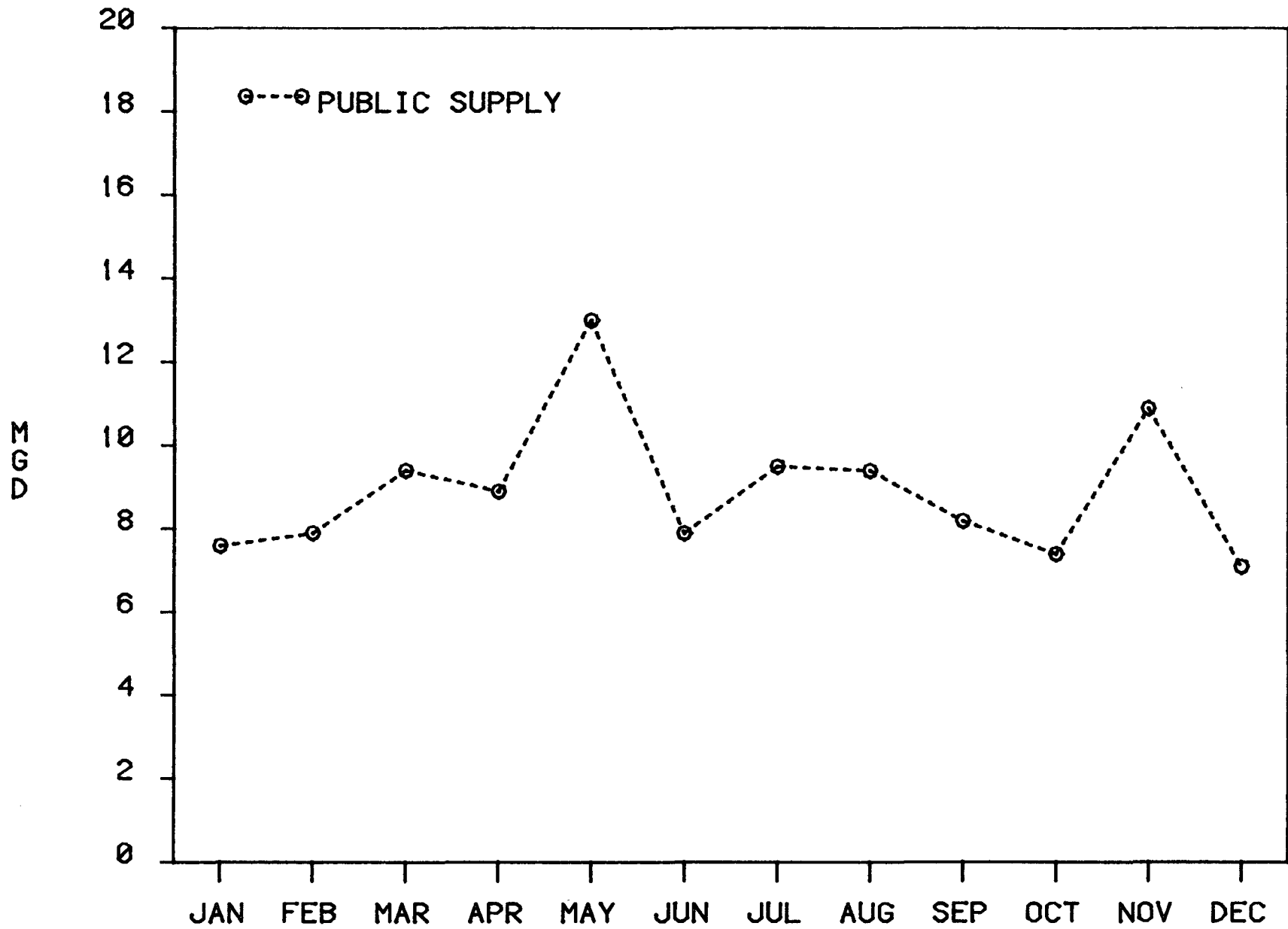


FIGURE A-10 MONTHLY FRESH WATER USE IN INDIAN RIVER COUNTY FOR 1983

COUNTY: Indian River - 1983

Total Population: 69,414

Total Land Area: 549 sq.miles

St. Johns River Water Management Portion

Population : 69,414

Population Public Supply: 36,130

Population Domestic Self-supplied: 33,284

Gallons Per Capita Day: 246

Land Area: 549 sq.miles (351,360 acres)

Acres Farmed: 136,603

Acres Irrigated: 108,507

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	8.87*	0.0	8.87
Domestic	8.19	0.0	8.19
Industrial	0.23	0.0	0.23
Agricultural Irrigation	88.99	175.78	264.77
Thermoelectric	0.24	0.0	0.24
Heat pump/air condition	0.0	0.0	0.0
TOTALS	106.52*	175.78	282.30

\* Includes 0.53 MGD saline ground water used for R/O.

TABLE A-17 ACRES FARMED AND IRRIGATED

## INDIAN RIVER COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	0	0	0	0	0	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	63,000	60,000	400	0	38,100	21,500
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	8,000	8,000	0	6,000	2,000	0
RICE	80	80	0	0	80	0
SORGHUM	2,000	2,000	0	0	2,000	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	0	0	0	0	0	0
IMPROVED PASTURE	62,208	37,475	0	0	37,475	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	80	80	80	0	0	0
TURF GRASS	1,235	872	872	0	0	0
	136,603	108,507	1,352	6,000	79,655	21,500



TABLE A-18 IRRIGATION WATER USE

## INDIAN RIVER COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	19.06	30.50	16.94	127,822	28.03	86.08	0.00	114.11
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	20.21	0.00	13,473	0.00	12.03	0.00	12.03
RICE	0.00	26.00	0.00	173	0.00	0.15	0.00	0.15
SORGHUM	0.00	20.21	0.00	3,368	0.00	3.01	0.00	3.01
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
IMPROVED PASTURE	0.00	47.48	0.00	148,276	60.07	72.30	0.00	132.37
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	29.91	0.00	0.00	199	0.18	0.00	0.00	0.18
TURF GRASS	39.48	0.00	0.00	2,868	0.64	1.92	0.10	2.56
LIVESTOCK	0.00	0.00	0.00	0	0.07	0.29	0.00	0.36
				296,179	88.99	175.78	0.10	264.77

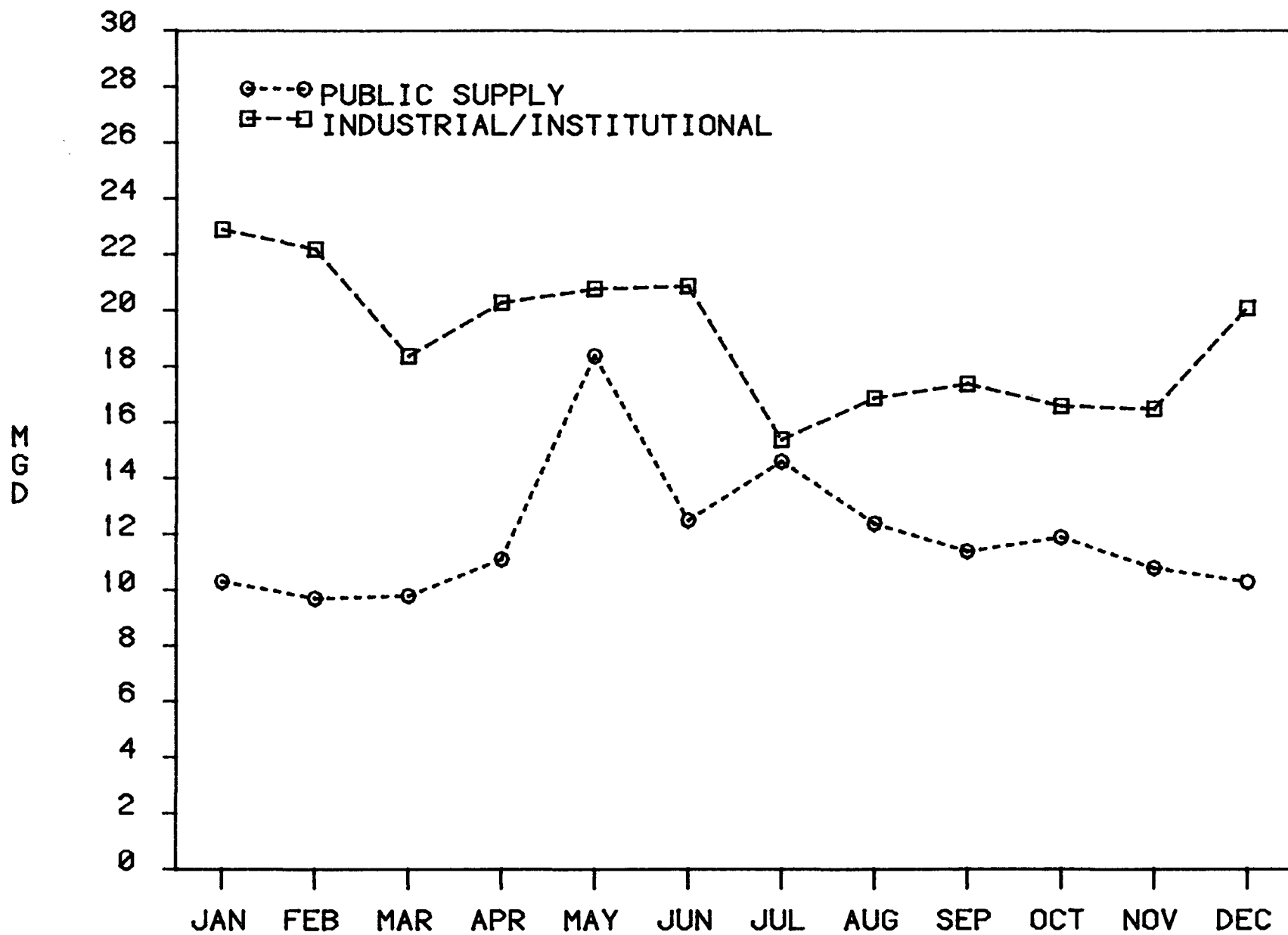


FIGURE A-II

MONTHLY FRESH WATER USE IN LAKE COUNTY FOR 1983

COUNTY: Lake - 1983

Total Population: 115,718

Total Land Area: 1,163 sq.miles

St. Johns River Water Management Portion

Population : 114,561

Population Public Supply: 66,767

Population Domestic Self-supplied: 47,794

Gallons Per Capita Day: 179

Land Area: 1,059 sq.miles (677,760 acres)

Acres Farmed: 183,610

Acres Irrigated: 69,813

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	11.94	0.0	11.94
Domestic	8.56	0.0	8.56
Industrial	15.65	3.40	19.05
Agricultural Irrigation	82.98	17.75	100.73
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	119.13	21.15	140.28

TABLE A-19 ACRES FARMED AND IRRIGATED

CROP TYPE	LAKE		COUNTY			
	1983 CALENDAR YEAR					
	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	125	125	50	0	75	0
CARROTS	2,940	2,940	0	0	2,940	0
CUCUMBERS	200	200	130	0	70	0
POTATOES	100	100	0	0	100	0
SWEET CORN	3,000	3,000	0	0	3,000	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	1,764	1,764	100	0	1,664	0
BLUEBERRIES	5	5	0	0	2	3
CITRUS	122,777	49,000	42,000	0	430	6,570
GRAPES	9	9	7	0	0	2
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	40	40	0	0	0	40
WATERMELONS	700	700	700	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	1,500	1,500	1,050	0	450	0
SORGHUM	1,400	1,300	700	0	600	0
SOYBEANS	500	500	0	0	500	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
WHEAT	100	100	0	0	100	0
FERNS	250	250	250	0	0	0
FLOWERS & FOLIAGE	100	100	0	0	0	100
IMPROVED PASTURE	47,000	7,500	2,000	0	5,500	0
WOODY ORNAMENTALS	150	150	150	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	950	530	530	0	0	0
	183,610	69,813	47,667	0	15,431	6,715

TABLE A-20 IRRIGATION WATER USE

CROP TYPE	LAKE		COUNTY		1983 CALENDAR YEAR			
	SPRINKLER	SEEPAGE	LOW-PRESS	TOTAL	GROUND	SURFACE	RE-USED	TOTAL
	IN/YR	IN/YR	IN/YR	AC. FT	WATER M G D	WATER M G D	WATER M G D	WATER M G D
CABBAGE	0.00	12.07	0.00	75	0.07	0.00	0.00	0.07
CARROTS	0.00	12.26	0.00	3,003	2.68	0.00	0.00	2.68
CUCUMBERS	0.00	12.07	0.00	70	0.06	0.00	0.00	0.06
POTATOES	0.00	12.66	0.00	105	0.09	0.00	0.00	0.09
SWEET CORN	0.00	15.39	0.00	3,847	2.74	0.69	0.00	3.43
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	15.42	24.67	0.00	3,549	3.17	0.00	0.00	3.17
BLUEBERRIES	0.00	25.00	20.34	9	0.01	0.00	0.00	0.01
CITRUS	17.68	28.28	15.71	71,494	51.07	12.76	0.00	63.83
GRAPES	24.16	0.00	20.34	17	0.02	0.00	0.00	0.02
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	34.26	114	0.10	0.00	0.00	0.10
WATERMELONS	9.07	0.00	0.00	529	0.47	0.00	0.00	0.47
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	15.39	15.23	0.00	1,917	1.37	0.34	0.00	1.71
SORGHUM	9.68	12.50	0.00	1,189	1.06	0.00	0.00	1.06
SOYBEANS	0.00	14.35	0.00	597	0.53	0.00	0.00	0.53
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WHEAT	5.74	0.00	0.00	48	0.04	0.00	0.00	0.04
FERNS	65.00	0.00	0.00	1,354	1.21	0.00	0.00	1.21
FLOWERS & FOLIAGE	0.00	0.00	39.26	327	0.29	0.00	0.00	0.29
IMPROVED PASTURE	0.00	47.37	0.00	21,711	16.32	3.06	0.00	19.38
WOODY ORNAMENTALS	28.14	0.00	0.00	351	0.31	0.00	0.00	0.31
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	39.17	0.00	0.00	1,730	1.00	0.54	0.00	1.54
LIVESTOCK	0.00	0.00	0.00	0	0.37	0.36	0.00	0.73
				112,036	82.98	17.75	0.00	100.73

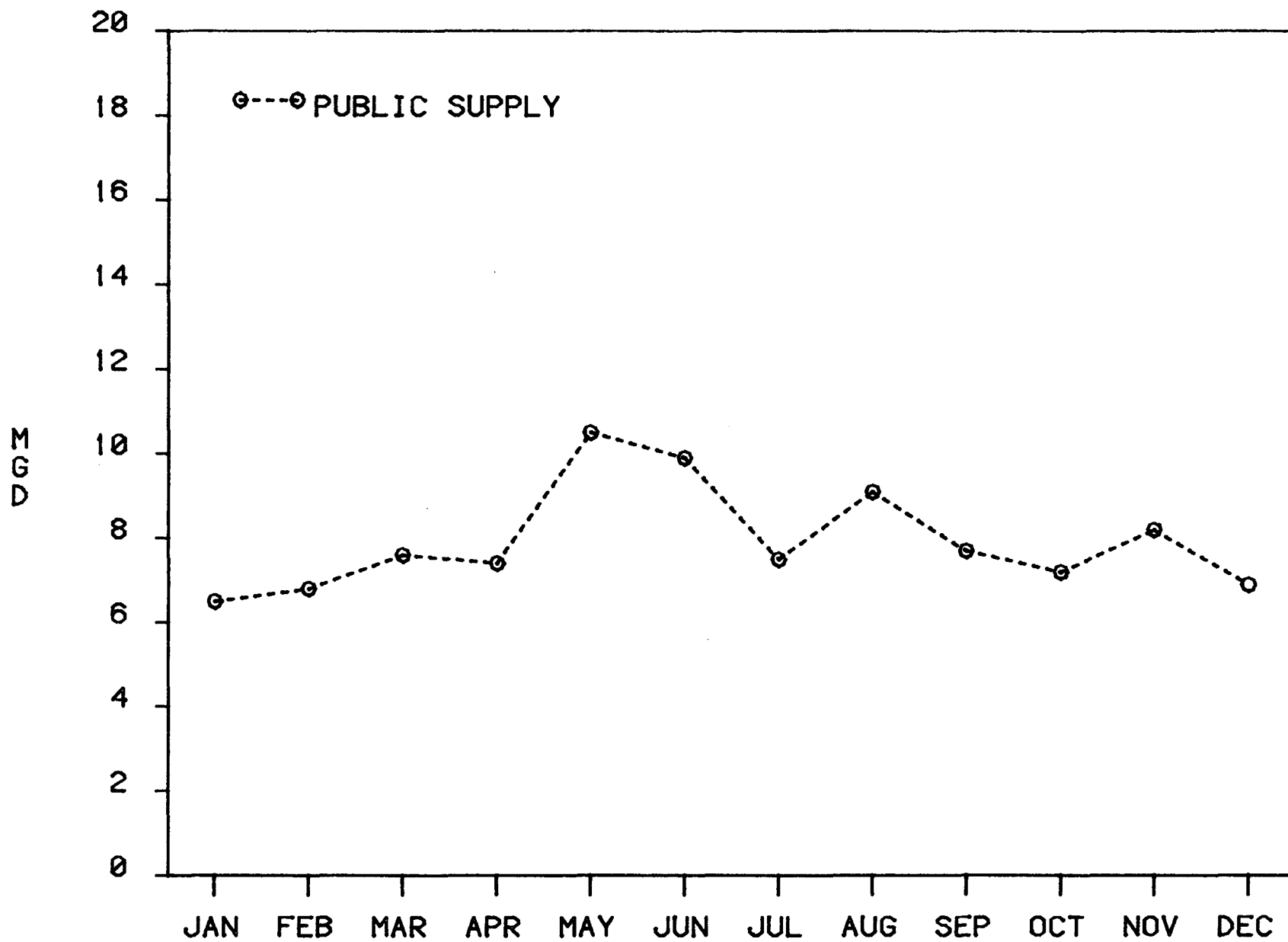


FIGURE A-12 MONTHLY FRESH WATER USE IN MARION COUNTY FOR 1983

COUNTY: Marion - 1983

Total Population: 141,991

Total Land Area: 1,652 sq.miles

St. Johns River Water Management Portion

Population : 115,831

Population Public Supply: 58,347

Population Domestic Self-supplied: 57,484

Gallons Per Capita Day: 136

Land Area: 1,194 sq.miles (764,160 acres)

Acres Farmed: 81,844

Acres Irrigated: 11,330

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	7.95	0.0	7.95
Domestic	7.82	0.0	7.82
Industrial	0.18	0.0	0.18
Agricultural Irrigation	15.11	2.50	17.61
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	31.06	2.50	33.56

**MARION**

TABLE A-21. ACRES FARMED AND IRRIGATED

## MARION COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	1,600	1,220	1,220	0	0	0
BLUEBERRIES	50	50	40	0	0	10
CITRUS	11,272	6,600	6,000	0	0	600
GRAPES	50	50	50	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	2,000	488	488	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	1,150	350	350	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	3,000	1,320	224	0	1,096	0
SORGHUM	150	0	0	0	0	0
SOYBEANS	500	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS      MH RYE OATS	1,500	0	0	0	0	0
FERNS	20	15	15	0	0	0
FLOWERS & FOLIAGE	10	10	10	0	0	0
IMPROVED PASTURE	59,230	275	0	0	275	0
WOODY ORNAMENTALS	50	50	50	0	0	0
SOD	650	650	650	0	0	0
TURF GRASS	612	252	252	0	0	0
	81,844	11,330	9,349	0	1,371	610



TABLE A-22 IRRIGATION WATER USE

## MARION COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	8.13	0.00	0.00	826	0.74	0.00	0.00	0.74
BLUEBERRIES	24.16	0.00	20.34	97	0.09	0.00	0.00	0.09
CITRUS	18.41	0.00	16.36	10,023	7.16	1.79	0.00	8.95
GRAPES	23.71	0.00	0.00	98	0.09	0.00	0.00	0.09
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	9.53	0.00	0.00	387	0.35	0.00	0.00	0.35
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	8.56	0.00	0.00	249	0.22	0.00	0.00	0.22
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	15.33	24.52	0.00	2,525	1.80	0.45	0.00	2.25
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	65.00	0.00	0.00	81	0.07	0.00	0.00	0.07
FLOWERS & FOLIAGE	70.00	0.00	0.00	58	0.05	0.00	0.00	0.05
IMPROVED PASTURE	0.00	46.90	0.00	1,074	0.77	0.19	0.00	0.96
WOODY ORNAMENTALS	70.00	0.00	0.00	291	0.26	0.00	0.00	0.26
SOD	36.28	0.00	0.00	1,965	1.75	0.00	0.00	1.75
TURF GRASS	36.28	0.00	0.00	761	0.66	0.02	0.00	0.68
LIVESTOCK	0.00	0.00	0.00	0	1.10	0.05	0.00	1.15
				18,435	15.11	2.50	0.00	17.61

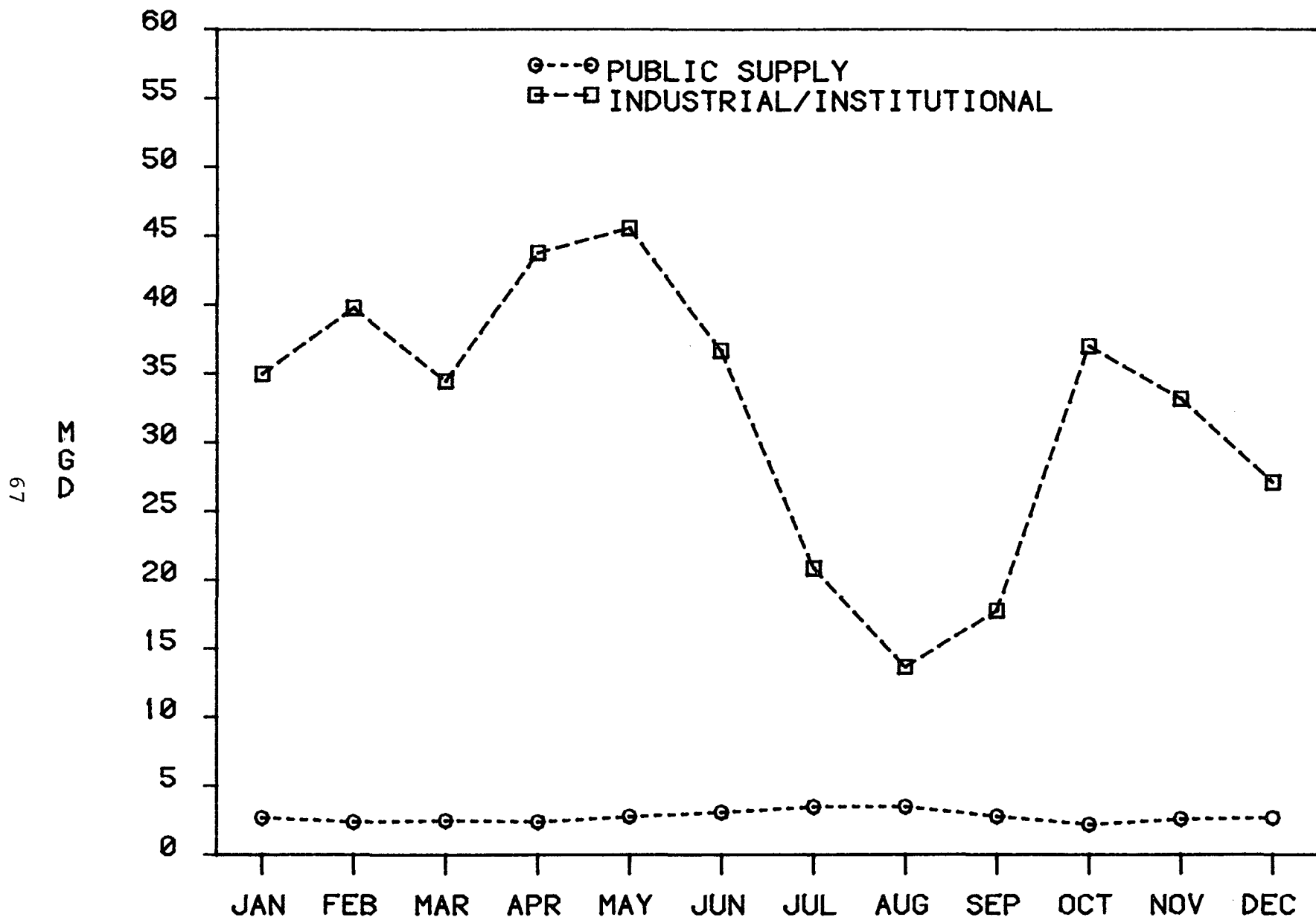


FIGURE A-13 MONTHLY FRESH WATER USE IN NASSAU COUNTY FOR 1983

COUNTY: Nassau - 1983

Total Population: 36,319

Total Land Area: 671 sq.miles

St. Johns River Water Management Portion

Population : 36,319

Population Public Supply: 15,255

Population Domestic Self-supplied: 21,064

Gallons Per Capita Day: 181

Land Area: 671 sq.miles (429,440 acres)

Acres Farmed: 7,186

Acres Irrigated: 307

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	2.76	0.0	2.76
Domestic	3.81	0.0	3.81
Industrial	32.01	0.0	32.01
Agricultural Irrigation	1.47	0.89	2.36
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	40.05	0.89	40.94

TABLE A-23 ACRES FARMED AND IRRIGATED

NASSAU COUNTY						
1983 CALENDAR YEAR						
CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	100	0	0	0	0	0
BLUEBERRIES	30	15	15	0	0	0
CITRUS	0	0	0	0	0	0
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	5	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	500	50	50	0	0	0
SORGHUM	1,000	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	37	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	20	20	20	0	0	0
IMPROVED PASTURE	5,000	0	0	0	0	0
WOODY ORNAMENTALS	3	0	0	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	491	222	222	0	0	0
	7,186	307	307	0	0	0

TABLE A-24 IRRIGATION WATER USE

## NASSAU COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
BLUEBERRIES	16.40	0.00	0.00	20	0.02	0.00	0.00	0.02
CITRUS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	16.84	0.00	0.00	70	0.06	0.00	0.00	0.06
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	65.00	0.00	0.00	108	0.10	0.00	0.00	0.10
IMPROVED PASTURE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	31.71	0.00	0.00	586	0.46	0.06	0.25	0.52
LIVESTOCK	0.00	0.00	0.00	0	0.83	0.83	0.00	1.66
				784	1.47	0.89	0.25	2.36

**NOTE: THERE WAS NO PUBLIC OR INDUSTRIAL PUMPAGE IN OKEECHOBEE COUNTY  
WITHIN THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT FOR 1983.**

COUNTY: Okeechobee - 1983

Total Population: 22,867

Total Land Area: 780 sq.miles

St. Johns River Water Management Portion

Population : 370

Population Public Supply: -0-

Population Domestic Self-supplied: 370

Gallons Per Capita Day: 153 - District average

Land Area: 103 sq.miles (65,920 acres)

Acres Farmed: 24,000

Acres Irrigated: 6,782

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	0.0	0.0	0.0
Domestic	0.06	0.0	0.06
Industrial	0.0	0.0	0.0
Agricultural Irrigation	14.49	1.50	15.99
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	14.55	1.50	16.05

TABLE A-25 ACRES FARMED AND IRRIGATED

## OKEECHOBEE COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	0	0	0	0	0	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	4,000	4,000	0	0	50	3,950
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	0	0	0	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	0	0	0	0	0	0
IMPROVED PASTURE	20,000	2,782	0	0	2,782	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	0	0	0	0	0	0
	24,000	6,782	0	0	2,832	3,950



TABLE A-26 IRRIGATION WATER USE

## OKEECHOBEE COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	0.00	29.39	16.33	5,497	4.91	0.00	0.00	4.91
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
IMPROVED PASTURE	0.00	49.52	0.00	11,480	9.00	1.25	0.00	10.25
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
LIVESTOCK	0.00	0.00	0.00	0	0.58	0.25	0.00	0.83
				16,977	14.49	1.50	0.00	15.99

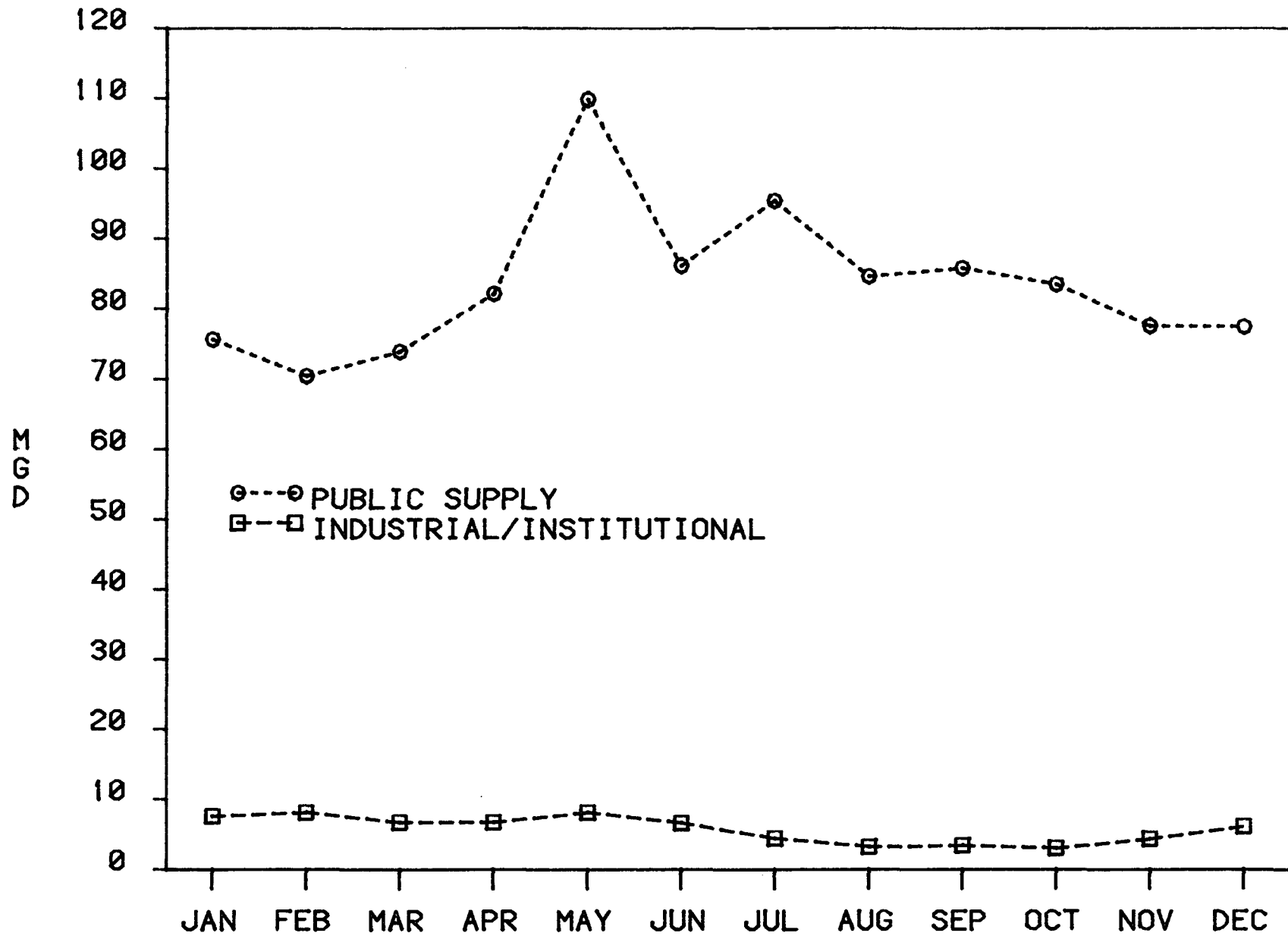


FIGURE A-14 MONTHLY FRESH WATER USE IN ORANGE COUNTY FOR 1983

COUNTY: Orange - 1983

Total Population: 507,572

Total Land Area: 1,003 sq.miles

St. Johns River Water Management Portion

Population : 411,133

Population Public Supply: 382,764

Population Domestic Self-supplied: 28,369

Gallons Per Capita Day: 175

Land Area: 744 sq.miles (476,160 acres)

Acres Farmed: 79,901

Acres Irrigated: 51,103

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	83.78*	0.0	83.78
Domestic	4.96	0.0	4.96
Industrial	5.76	0.0	5.76
Agricultural Irrigation	47.62	30.15	77.77
Thermoelectric	0.0	0.01	0.01
Heat pump/air condition	0.0	0.0	0.0
TOTALS	142.12*	30.16	172.28

\* Includes 16.70 MGD withdrawn in Orange County for use in Brevard County.

TABLE A-27 ACRES FARMED AND IRRIGATED

## ORANGE COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	1,400	1,400	125	0	1,275	0
CARROTS	13,500	13,500	0	0	13,500	0
CUCUMBERS	150	150	0	0	150	0
POTATOES	0	0	0	0	0	0
SWEET CORN	13,600	13,600	0	0	13,600	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	2,425	2,425	388	0	2,037	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	25,580	14,400	12,950	0	0	1,450
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	150	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	200	200	200	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	200	200	200	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	40	40	40	0	0	0
FLOWERS & FOLIAGE	581	581	581	0	0	0
IMPROVED PASTURE	18,562	1,688	355	0	1,333	0
WOODY ORNAMENTALS	2,000	2,000	2,000	0	0	0
SOD	100	100	0	0	100	0
TURF GRASS	1,413	819	819	0	0	0
	79,901	51,103	17,658	0	31,995	1,450

TABLE A-28 IRRIGATION WATER USE

ORANGE COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	12.07	0.00	1,282	1.14	0.00	0.00	1.14
CARROTS	0.00	12.26	0.00	13,792	0.00	12.31	0.00	12.31
CUCUMBERS	0.00	12.07	0.00	150	0.13	0.00	0.00	0.13
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	15.23	0.00	17,260	0.00	15.41	0.00	15.41
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	15.42	24.67	0.00	4,686	4.18	0.00	0.00	4.18
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	20.71	0.00	19.03	24,648	22.00	0.00	0.00	22.00
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	15.39	0.00	0.00	256	0.23	0.00	0.00	0.23
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	14.98	0.00	0.00	249	0.22	0.00	0.00	0.22
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	65.00	0.00	0.00	216	0.19	0.00	0.00	0.19
FLOWERS & FOLIAGE	65.00	0.00	50.00	3,147	2.25	0.56	0.00	2.81
IMPROVED PASTURE	34.08	54.53	0.00	7,065	5.05	1.26	0.00	6.31
WOODY ORNAMENTALS	65.00	0.00	0.00	10,833	9.67	0.00	0.00	9.67
SOD	0.00	38.41	0.00	320	0.29	0.00	0.00	0.29
TURF GRASS	38.41	0.00	0.00	2,621	2.00	0.34	0.00	2.34
LIVESTOCK	0.00	0.00	0.00	0	0.27	0.27	0.00	0.54
				86,525	47.62	30.15	0.00	77.77

**NOTE: THERE WAS NO PUBLIC OR INDUSTRIAL PUMPAGE IN OSCEOLA COUNTY  
WITHIN THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT FOR 1983.**

COUNTY: Osceola - 1983

Total Population: 63,896

Total Land Area: 1,467 sq.miles

St. Johns River Water Management Portion

Population : 364

Population Public Supply: -0-

Population Domestic Self-supplied: 364

Gallons Per Capita Day: 153 - District average

Land Area: 542 sq.miles (346,880 acres)

Acres Farmed: 128,251

Acres Irrigated: 3,351

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	0.0	0.0	0.0
Domestic	0.06	0.0	0.06
Industrial	0.0	0.0	0.0
Agricultural Irrigation	7.57	0.86	8.43
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	7.63	0.86	8.49

TABLE A-29 ACRES FARMED AND IRRIGATED

## OSCEOLA COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	201	201	0	0	201	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	2,250	2,000	0	0	2,000	0
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	0	0	0	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	0	0	0	0	0	0
IMPROVED PASTURE	125,800	1,150	0	0	1,150	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	0	0	0	0	0	0
	128,251	3,351	0	0	3,351	0



TABLE A-30 IRRIGATION WATER USE

## OSCEOLA COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	22.10	0.00	370	0.26	0.07	0.00	0.33
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	0.00	27.93	0.00	4,655	4.16	0.00	0.00	4.16
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
IMPROVED PASTURE	0.00	46.11	0.00	4,418	3.15	0.79	0.00	3.94
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
LIVESTOCK	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
				9,443	7.57	0.86	0.00	8.43

**NOTE: THERE WAS NO PUBLIC PUMPAGE IN POLK COUNTY WITHIN  
THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT FOR 1983,  
AND THE INDUSTRIAL PUMPAGE WAS TOO SMALL TO DEPICT.**

COUNTY: Polk - 1983

Total Population: 345,224

Total Land Area: 2,048 sq.miles

St. Johns River Water Management Portion

Population : 4,944

Population Public Supply: -0-

Population Domestic Self-supplied: 4,944

Gallons Per Capita Day: 153 - District average

Land Area: 63 sq.miles (40,320 acres)

Acres Farmed: 19,955

Acres Irrigated: 10,555

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	0.0	0.0	0.0
Domestic	0.76	0.0	0.76
Industrial	0.0	0.0	0.0
Agricultural Irrigation	15.10	0.07	15.17
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	15.86	0.07	15.93

TABLE A-31 ACRES FARMED AND IRRIGATED

	POLK		COUNTY			
	1983 CALENDAR YEAR					
CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	0	0	0	0	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	0	0	0	0	0	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	15,400	10,400	9,400	0	0	1,000
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	0	0	0	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	0	0	0	0	0	0
FLOWERS & FOLIAGE	5	5	5	0	0	0
IMPROVED PASTURE	4,500	100	0	0	100	0
WOODY ORNAMENTALS	50	50	50	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	0	0	0	0	0	0
	19,955	10,555	9,455	0	100	1,000

TABLE A-32 IRRIGATION WATER USE

CROP TYPE	POLK		COUNTY		1983 CALENDAR YEAR			
	SPRINKLER	SEEPAGE	LOW-PRESS	TOTAL	GROUND	SURFACE	RE-USED	TOTAL
	IN/YR	IN/YR	IN/YR	AC. FT	WATER M G D	WATER M G D	WATER M G D	WATER M G D
CABBAGE	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	18.82	0.00	16.73	16,136	14.41	0.00	0.00	14.41
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FLOWERS & FOLIAGE	65.00	0.00	0.00	27	0.02	0.00	0.00	0.02
IMPROVED PASTURE	0.00	49.73	0.00	414	0.30	0.07	0.00	0.37
WOODY ORNAMENTALS	100.00	0.00	0.00	416	0.37	0.00	0.00	0.37
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
LIVESTOCK	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
				16,993	15.10	0.07	0.00	15.17

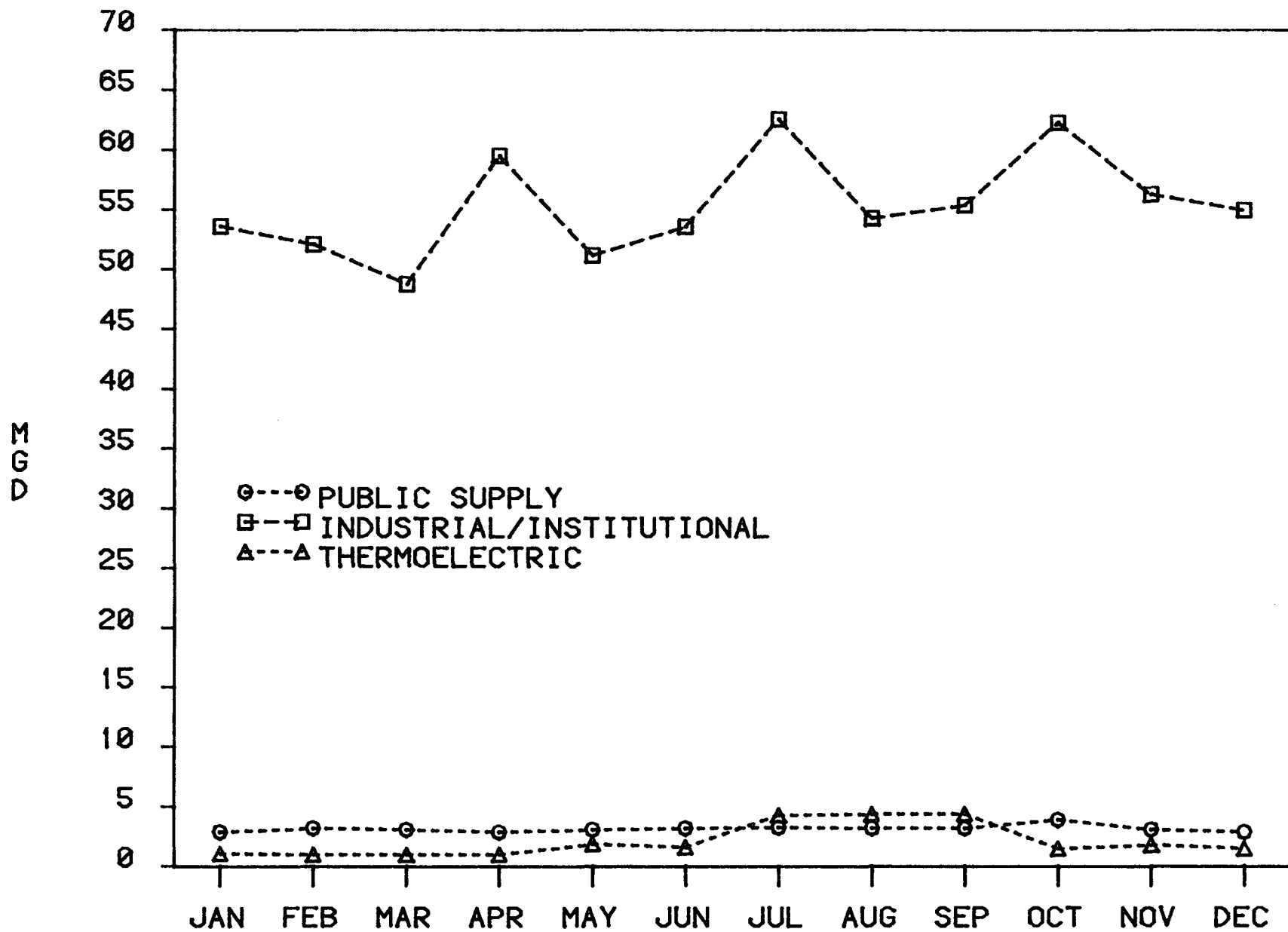


FIGURE A-15 MONTHLY FRESH WATER USE IN PUTNAM COUNTY FOR 1983

COUNTY: Putnam - 1983

Total Population: 54,202

Total Land Area: 879 sq.miles

St. Johns River Water Management Portion

Population : 54,202

Population Public Supply: 17,092

Population Domestic Self-supplied: 37,110

Gallons Per Capita Day: 179

Land Area: 876 sq.miles (560,640 acres)

Acres Farmed: 50,765

Acres Irrigated: 10,995

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	3.06	0.0	3.06
Domestic	6.64	0.0	6.64
Industrial	16.15	39.27	55.42
Agricultural Irrigation	21.01	1.67	22.68
Thermoelectric	0.36	1.70	2.06
Heat pump/air condition	2.29	0.0	2.29
TOTALS	49.51	42.64	92.15

TABLE A-33 ACRES FARMED AND IRRIGATED

PUTNAM COUNTY						
1983 CALENDAR YEAR						
CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	2,500	2,500	150	0	2,350	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	0	0	0	0	0	0
POTATOES	3,500	3,500	0	0	3,500	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	200	200	0	0	200	0
BLUEBERRIES	75	55	0	0	0	55
CITRUS	2,500	270	220	0	0	50
GRAPES	10	10	10	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	3,000	1,000	0	0	1,000	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	1,000	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	700	700	700	0	0	0
FLOWERS & FOLIAGE	220	220	0	0	220	0
IMPROVED PASTURE	37,000	2,500	0	0	2,500	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	60	40	40	0	0	0
	50,765	10,995	1,120	0	9,770	105



TABLE A-34 IRRIGATION WATER USE

## PUTNAM COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	12.36	0.00	2,420	2.16	0.00	0.00	2.16
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
POTATOES	0.00	14.67	0.00	4,278	3.26	0.56	0.00	3.82
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	30.27	0.00	504	0.45	0.00	0.00	0.45
BLUEBERRIES	0.00	0.00	21.47	98	0.09	0.00	0.00	0.09
CITRUS	18.10	0.00	14.58	392	0.35	0.00	0.00	0.35
GRAPES	24.16	0.00	0.00	20	0.02	0.00	0.00	0.02
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	26.39	0.00	2,199	1.57	0.39	0.00	1.96
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	65.00	0.00	0.00	3,791	3.04	0.34	0.00	3.38
FLOWERS & FOLIAGE	0.00	65.00	0.00	1,191	0.85	0.21	0.00	1.06
IMPROVED PASTURE	0.00	47.63	0.00	9,922	8.86	0.00	0.00	8.86
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	41.05	0.00	0.00	136	0.12	0.00	0.00	0.12
LIVESTOCK	0.00	0.00	0.00	0	0.24	0.17	0.00	0.41
				24,951	21.01	1.67	0.00	22.68

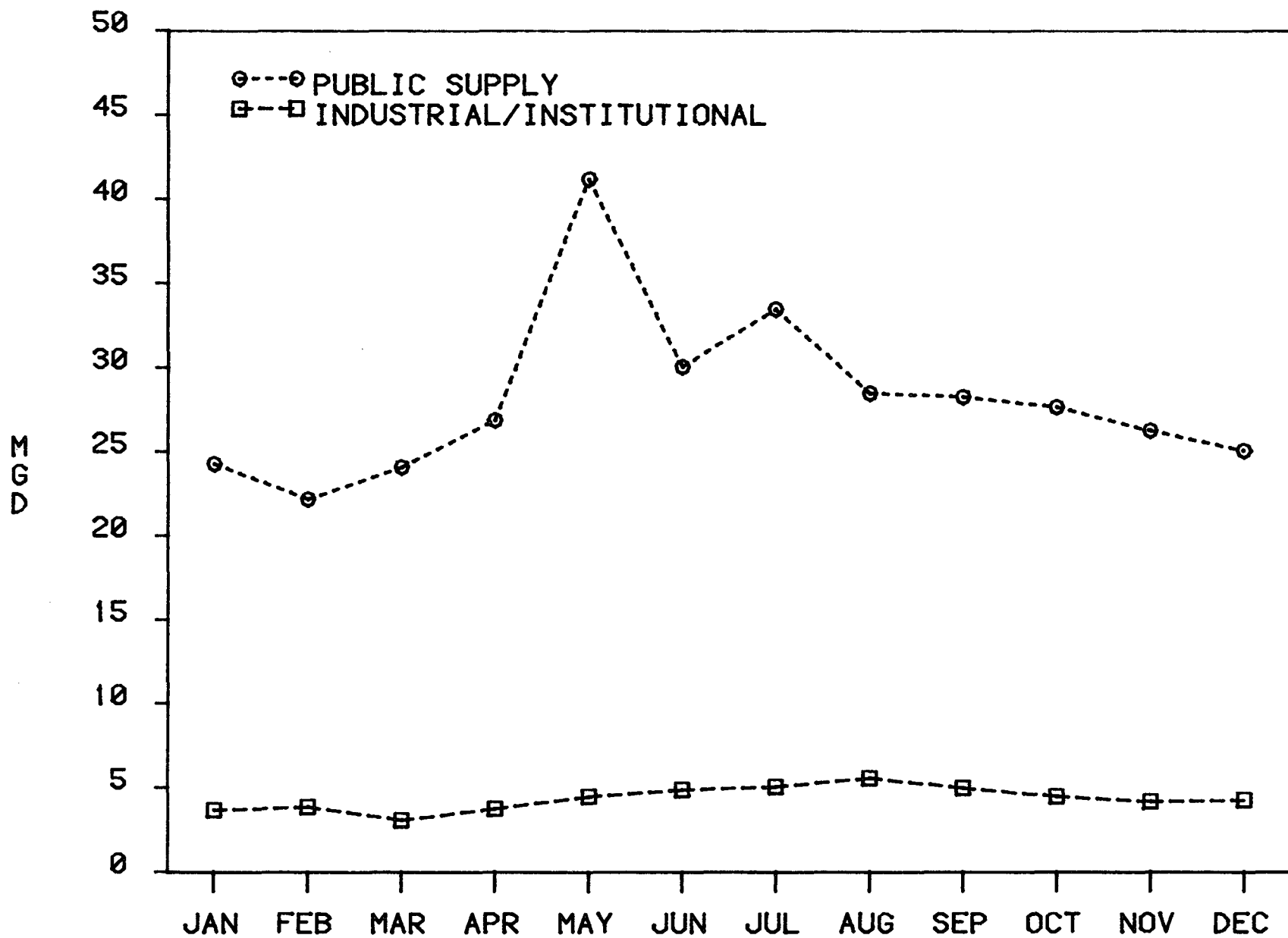


FIGURE A-16 MONTHLY FRESH WATER USE IN SEMINOLE COUNTY FOR 1983

COUNTY: Seminole - 1983

Total Population: 201,906

Total Land Area: 352 sq.miles

St. Johns River Water Management Portion

Population : 201,906

Population Public Supply: 180,768

Population Domestic Self-supplied: 21,138

Gallons Per Capita Day: 156

Land Area: 352 sq.miles (225,280 acres)

Acres Farmed: 21,493

Acres Irrigated: 12,959

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	28.19	0.0	28.19
Domestic	3.30	0.0	3.30
Industrial	4.39	0.0	4.39
Agricultural Irrigation	32.80	0.40	33.20
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	68.68	0.40	69.08

TABLE A-35 ACRES FARMED AND IRRIGATED

## SEMINOLE COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	1,800	1,800	0	1,800	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	1,600	1,600	0	1,600	0	0
POTATOES	0	0	0	0	0	0
SWEET CORN	40	40	0	40	0	0
WATERCRESS	150	150	0	0	150	0
MISC. VEGETABLES	960	873	0	873	0	0
BLUEBERRIES	5	5	0	5	0	0
CITRUS	6,700	4,800	4,000	240	0	560
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	80	80	0	0	80	0
SORGHUM	40	40	0	0	40	0
SOYBEANS	40	40	0	40	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	20	20	20	0	0	0
FLOWERS & FOLIAGE	560	560	440	0	0	120
IMPROVED PASTURE	8,000	2,000	0	0	2,000	0
WOODY ORNAMENTALS	25	25	25	0	0	0
SOD	300	300	0	0	300	0
TURF GRASS	1,173	626	626	0	0	0
	21,493	12,959	5,111	4,598	2,570	680

TABLE A-36 IRRIGATION WATER USE

## SEMINOLE COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	9.03	0.00	1,354	1.21	0.00	0.00	1.21
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	9.03	0.00	1,204	1.07	0.00	0.00	1.07
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	17.58	0.00	58	0.05	0.00	0.00	0.05
WATERCRESS	0.00	700.00	0.00	8,750	7.81	0.00	0.00	7.81
MISC. VEGETABLES	0.00	13.33	0.00	969	0.87	0.00	0.00	0.87
BLUEBERRIES	0.00	15.23	0.00	6	0.01	0.00	0.00	0.01
CITRUS	20.83	33.32	18.51	8,473	7.56	0.00	0.00	7.56
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	24.61	0.00	164	0.15	0.00	0.00	0.15
SORGHUM	0.00	13.80	0.00	46	0.04	0.00	0.00	0.04
SOYBEANS	0.00	23.08	0.00	76	0.07	0.00	0.00	0.07
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	65.00	0.00	0.00	108	0.10	0.00	0.00	0.10
FLOWERS & FOLIAGE	65.00	0.00	50.00	2,883	2.57	0.00	0.00	2.57
IMPROVED PASTURE	0.00	52.52	0.00	8,753	7.81	0.00	0.00	7.81
WOODY ORNAMENTALS	50.00	0.00	0.00	104	0.09	0.00	0.00	0.09
SOD	0.00	51.00	0.00	1,275	1.14	0.00	0.00	1.14
TURF GRASS	51.00	0.00	0.00	2,660	2.07	0.30	0.00	2.37
LIVESTOCK	0.00	0.00	0.00	0	0.18	0.10	0.00	0.28
				36,883	32.80	0.40	0.00	33.20

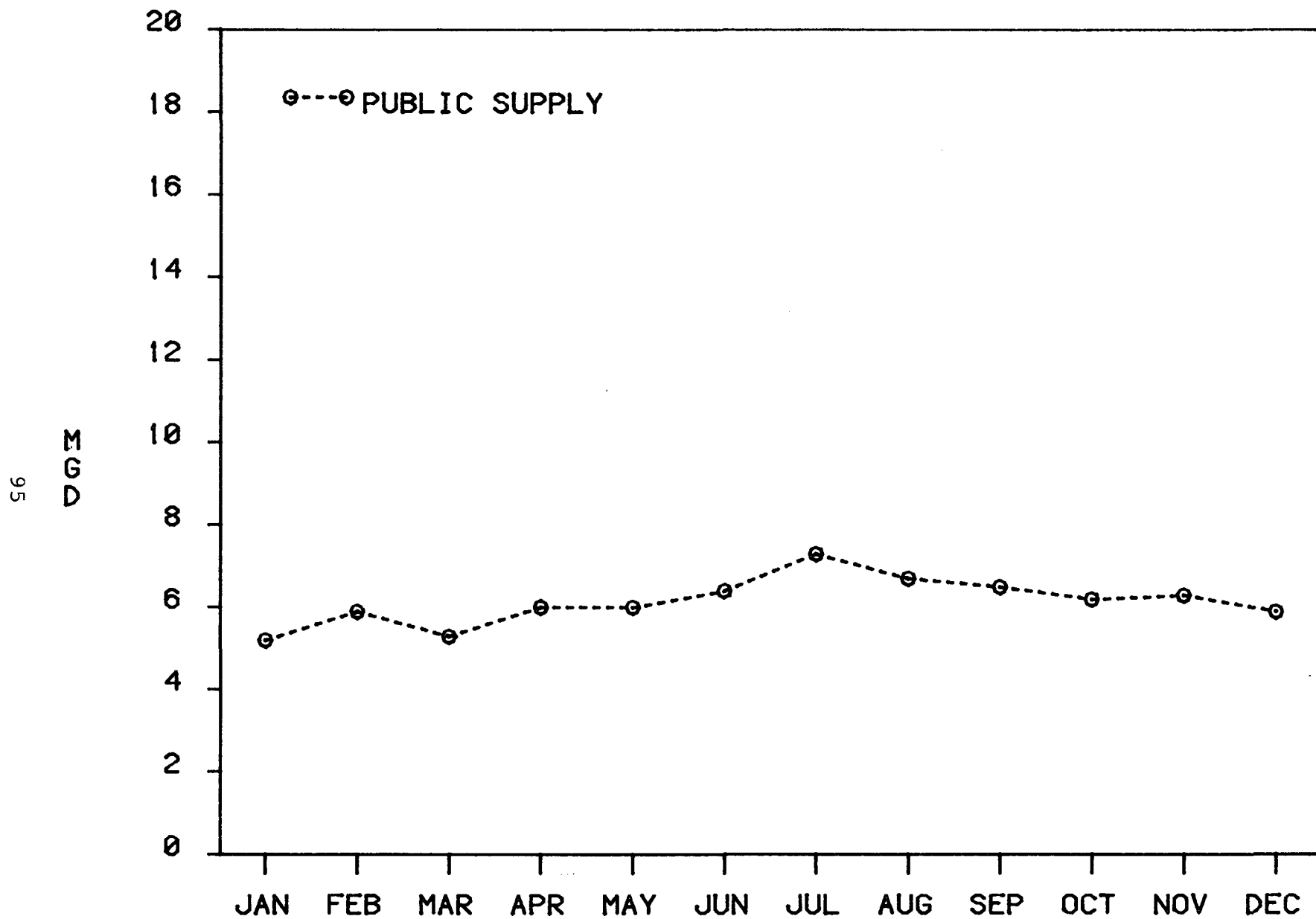


FIGURE A-17 MONTHLY FRESH WATER USE IN ST. JOHNS COUNTY FOR 1983

COUNTY: St. Johns - 1983

Total Population: 60,108

Total Land Area: 660 sq.miles

St. Johns River Water Management Portion

Population : 60,108

Population Public Supply: 46,482

Population Domestic Self-supplied: 13,626

Gallons Per Capita Day: 132

Land Area: 660 sq.miles (422,400 acres)

Acres Farmed: 31,465

Acres Irrigated: 26,776

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	6.12	0.0	6.12
Domestic	1.80	0.0	1.80
Industrial	0.04	0.0	0.04
Agricultural Irrigation	36.10	0.72	36.82
Thermoelectric	0.0	0.0	0.0
Heat pump/air condition	0.0	0.0	0.0
TOTALS	44.06	0.72	44.78

TABLE A-37 ACRES FARMED AND IRRIGATED

ST. JOHNS COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE	5,000	5,000	0	5,000	0	0
CARROTS	0	0	0	0	0	0
CUCUMBERS	50	50	0	50	0	0
POTATOES	15,000	15,000	0	15,000	0	0
SWEET CORN	500	500	0	500	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	500	500	0	500	0	0
BLUEBERRIES	5	5	0	0	0	5
CITRUS	100	100	0	100	0	0
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	4,000	4,000	0	4,000	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	5	5	5	0	0	0
FLOWERS & FOLIAGE	25	25	15	10	0	0
IMPROVED PASTURE	5,500	1,000	0	1,000	0	0
WOODY ORNAMENTALS	75	75	75	0	0	0
SOD	0	0	0	0	0	0
TURF GRASS	705	516	516	0	0	0
	31,465	26,776	611	26,160	0	5



TABLE A-38 IRRIGATION WATER USE

ST. JOHNS COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	15.00	0.00	6,250	5.58	0.00	0.00	5.58
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	16.92	0.00	70	0.06	0.00	0.00	0.06
POTATOES	0.00	14.21	0.00	17,762	15.86	0.00	0.00	15.86
SWEET CORN	0.00	25.55	0.00	1,064	0.95	0.00	0.00	0.95
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	24.81	0.00	1,033	0.92	0.00	0.00	0.92
BLUEBERRIES	0.00	0.00	9.30	3	0.00	0.00	0.00	0.00
CITRUS	0.00	28.69	0.00	239	0.21	0.00	0.00	0.21
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	20.79	0.00	6,930	6.19	0.00	0.00	6.19
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	65.00	0.00	0.00	27	0.02	0.00	0.00	0.02
FLOWERS & FOLIAGE	65.00	80.00	0.00	147	0.13	0.00	0.00	0.13
IMPROVED PASTURE	0.00	42.85	0.00	3,570	3.19	0.00	0.00	3.19
WOODY ORNAMENTALS	70.00	0.00	0.00	437	0.39	0.00	0.00	0.39
SOD	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TURF GRASS	80.31	0.00	0.00	3,453	2.45	0.63	1.11	3.08
LIVESTOCK	0.00	0.00	0.00	0	0.15	0.09	0.00	0.24
				40,985	36.10	0.72	1.11	36.82

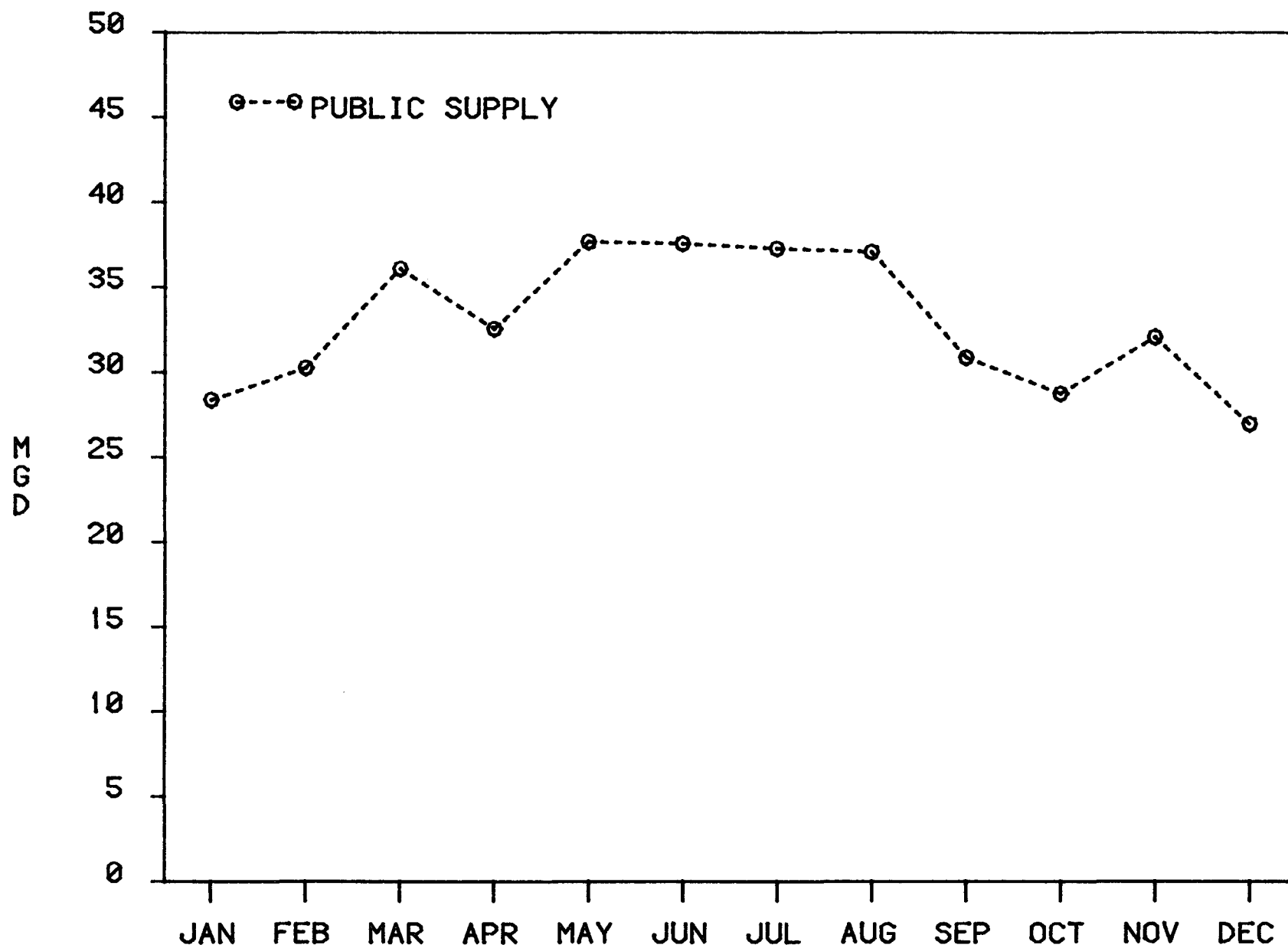


FIGURE A-18 MONTHLY FRESH WATER USE IN VOLUSIA COUNTY FOR 1983

COUNTY: Volusia - 1983

Total Population: 284,593  
Total Land Area: 1,207 sq.miles

St. Johns River Water Management Portion

Population : 284,593  
Population Public Supply: 235,246  
Population Domestic Self-supplied: 49,347  
Gallons Per Capita Day: 140  
Land Area: 1,207 sq.miles (772,480 acres)  
Acres Farmed: 31,515  
Acres Irrigated: 7,711

Fresh Water Use (MGD): 1983

	GROUND	SURFACE	TOTAL
Public	32.98*	0.0	32.98
Domestic	6.91	0.0	6.91
Industrial	0.42	0.0	0.42
Agricultural Irrigation	26.43	1.36	27.79
Thermoelectric	0.38	0.59	0.97
Heat pump/air condition	6.16	0.0	6.16
TOTALS	73.28*	1.95	75.23

\* Includes 0.02 MGD saline ground water used for R/O.

TABLE A-39 ACRES FARMED AND IRRIGATED

VOLUSIA COUNTY

1983 CALENDAR YEAR

CROP TYPE	TOTAL AC FARMED	IRRIGATED ACRES	SPRINKLER ACRES	TILE SEEPAGE ACRES	FLOOD & SEEPAGE ACRES	LOW PRESS LOW VOL ACRES
CABBAGE (1)	880	750	0	0	750	0
CARROTS	0	0	0	0	0	0
CUCUMBERS (1)	880	750	0	0	750	0
POTATOES	0	0	0	0	0	0
SWEET CORN	0	0	0	0	0	0
WATERCRESS	0	0	0	0	0	0
MISC. VEGETABLES	100	100	0	0	100	0
BLUEBERRIES	0	0	0	0	0	0
CITRUS	10,143	600	420	0	0	180
GRAPES	0	0	0	0	0	0
PEACHES	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0
PECANS	0	0	0	0	0	0
WATERMELONS	0	0	0	0	0	0
MISC. FRUIT	0	0	0	0	0	0
FIELD CORN	0	0	0	0	0	0
SORGHUM	0	0	0	0	0	0
SOYBEANS	300	0	0	0	0	0
TOBACCO	0	0	0	0	0	0
MISC. GRAINS	0	0	0	0	0	0
FERNS	4,500	3,880	3,880	0	0	0
FLOWERS & FOLIAGE	5	5	5	0	0	0
IMPROVED PASTURE	12,600	300	0	0	300	0
WOODY ORNAMENTALS	0	0	0	0	0	0
SOD	200	100	100	0	0	0
TURF GRASS	1,907	1,226	1,226	0	0	0
	31,515	7,711	5,631	0	1,900	180

TABLE A-40 IRRIGATION WATER USE

VOLUSIA COUNTY

1983 CALENDAR YEAR

CROP TYPE	SPRINKLER IN/YR	SEEPAGE IN/YR	LOW-PRESS IN/YR	TOTAL AC. FT	GROUND WATER M G D	SURFACE WATER M G D	RE-USED WATER M G D	TOTAL WATER M G D
CABBAGE	0.00	13.43	0.00	839	0.75	0.00	0.00	0.75
CARROTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CUCUMBERS	0.00	13.43	0.00	839	0.75	0.00	0.00	0.75
POTATOES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SWEET CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERCRESS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. VEGETABLES	0.00	22.54	0.00	187	0.17	0.00	0.00	0.17
BLUEBERRIES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
CITRUS	17.37	0.00	15.44	839	0.75	0.00	0.00	0.75
GRAPES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEACHES	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PEANUTS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
PECANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
WATERMELONS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. FRUIT	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FIELD CORN	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SORGHUM	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOYBEANS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
TOBACCO	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
MISC. GRAINS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
FERNS	65.00	0.00	0.00	21,016	18.76	0.00	0.00	18.76
FLOWERS & FOLIAGE	65.00	0.00	0.00	27	0.02	0.00	0.00	0.02
IMPROVED PASTURE	0.00	44.96	0.00	1,124	1.00	0.00	0.00	1.00
WOODY ORNAMENTALS	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
SOD	50.12	0.00	0.00	417	0.37	0.00	0.00	0.37
TURF GRASS	49.13	0.00	0.00	5,019	3.78	0.70	0.00	4.48
LIVESTOCK	0.00	0.00	0.00	0	0.00	0.66	0.00	0.74
				30,307	26.43	1.36	0.00	27.79

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