

TECHNICAL PUBLICATION SJ 82-5 (Revised)

ANNUAL WATER USE SURVEY: 1980

REVISED EDITION

By

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St. Johns River Water Management District

Palatka, Florida

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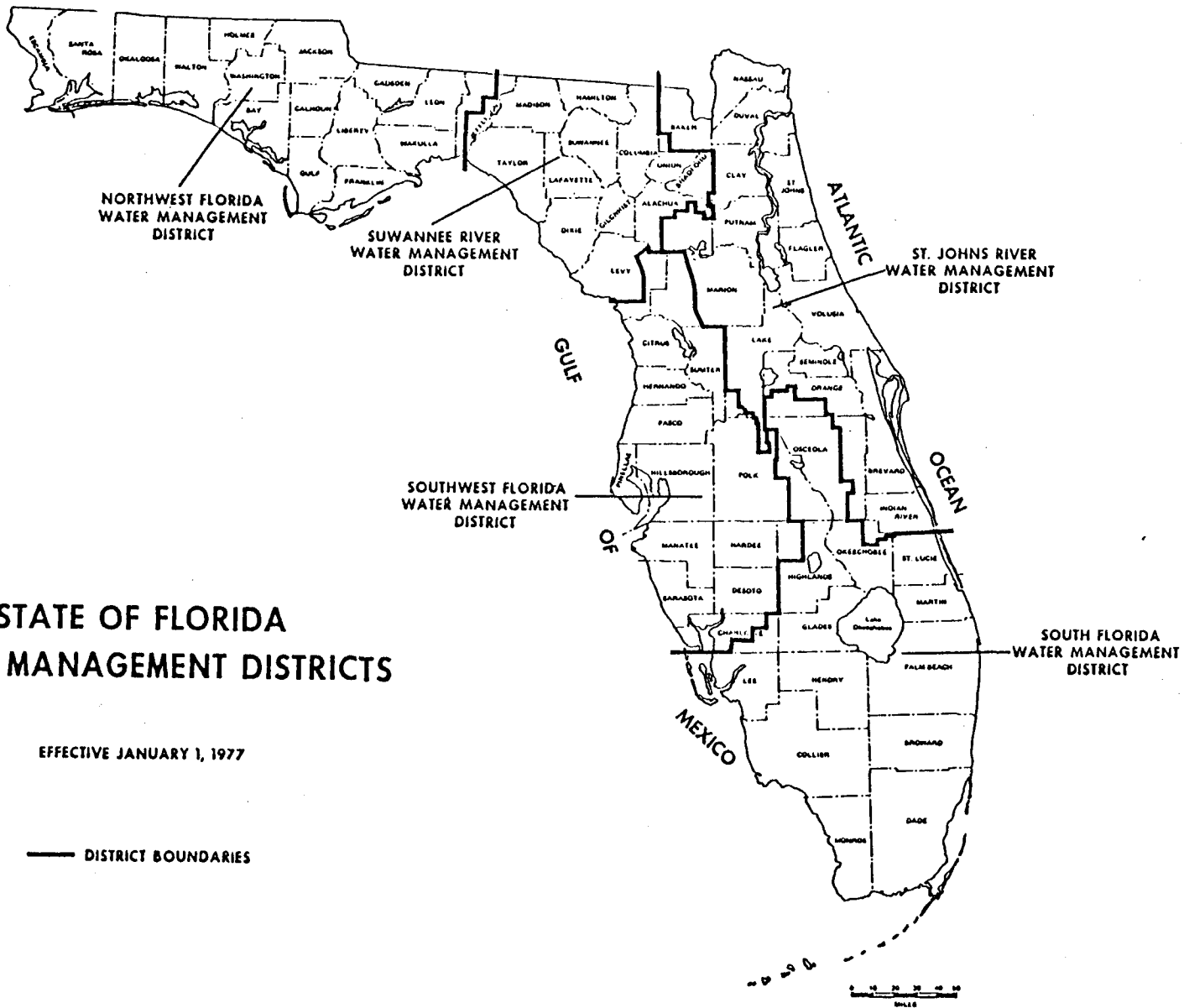
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STATE OF FLORIDA WATER MANAGEMENT DISTRICTS

EFFECTIVE JANUARY 1, 1977

— DISTRICT BOUNDARIES



INTRODUCTION

The purpose of this report is to revise and update the 1980 water use figures so that the techniques and methodology used in 1980 will be consistent with those used in 1985. This was done so that the 1980 and 1985 data will be compatible for trend analysis (five years) for the District and the counties within the district. The majority of changes accrued in the agricultural irrigation section reflecting current knowledge of acres or application rates to the 1980 data. Other minor changes occurred in the revised heat pump/air conditioning (HP/AC) data and the addition of free-flowing well data which was not inventoried for 1980.

This report summarizes the revised water use figures for the St. Johns River Water Management District (SJRWMD) in 1980. 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. Reclaimed water use (reuse) is also presented in this report. Water use is compiled for the following categories: public supply; domestic self-supplied; industrial self-supplied (including institutional/recreational self-supplied); agricultural irrigation (including livestock use); thermoelectric power generation; HP/AC; and free-flowing wells. Water use is compiled for all of the following counties: Brevard, Clay, Duval, Flagler, Indian River, Nassau, Putnam, Seminole, St. Johns, and Volusia. Water use is also compiled for those portions of Alachua, Baker, Bradford, Lake, Marion, Okeechobee, Orange, Osceola, and Polk Counties which lie within District boundaries. Specific county information is found in this report under the appendix.

CATEGORY SUMMARY

Agricultural irrigation was the largest fresh water use category for 1980 (Table 1). This category accounted for 42% of the ground water and 60% of the total fresh surface water used within the District. The second largest category was public supply using 28% of the total fresh ground water and 4% of the total fresh surface water. Other categories with substantial amounts of ground water use were industrial self-supplied (14%), domestic self-supplied (8.5%), and HP/AC (4%). Free-flowing wells accounted for 3%, and thermoelectric power generation accounted for less than 1% (0.5%) of the total ground water used in 1980.

The major fresh surface water use category in 1980 was agricultural irrigation, which accounted for 60% of the total surface water used in the District. Thermoelectric power generation accounted for 28% of total fresh surface water use. Industrial self-supplied (8%), and public supply (4%) accounted for the remaining 12% of total fresh surface water use.

TABLE 1.--Total Fresh Water Use (MGD) by Category: 1980

| | GROUND | SURFACE | REUSE | TOTAL |
|--------------------|-----------|---------|-------|-------------|
| Public | 281.90(1) | 12.97 | - | 294.87 |
| Domestic | 85.37 | - | - | 85.37 |
| Industrial | 137.79 | 25.57 | - | 163.36 |
| Agr. Irrigation | 416.91 | 190.77 | 1.52 | 607.68(2) |
| Thermoelectric | 4.94 | 87.75 | - | 92.69 |
| Heat Pump/AC | 40.73 | - | - | 40.73 |
| Free-Flowing Wells | 30.78 | - | - | 30.78 |
| TOTAL | 998.42(1) | 317.06 | 1.52 | 1,315.48(2) |

(1) Includes 0.19 MGD saline ground water
 (2) Does not include reuse water in totals

Each of the seven categories is detailed by county in the following tables.

TABLE 2.--Public Fresh Water Use (MGD): 1980

| COUNTY | GROUND | SURFACE | TOTAL | PERCENT OF TOTAL |
|--------------|------------|---------|------------|------------------|
| ALACHUA | 16.32 | - | 16.32 | 6 |
| BAKER | 0.58 | - | 0.58 | * |
| BRADFORD | - | - | - | - |
| BREVARD | 7.25 | 12.97 | 20.22 | 7 |
| CLAY | 6.12 | - | 6.12 | 2 |
| DUVAL | 73.25 | - | 73.25 | 25 |
| FLAGLER | 1.70 | - | 1.70 | 0.6 |
| INDIAN RIVER | 7.64 (1) | - | 7.64 (1) | 3 |
| LAKE | 12.15 | - | 12.15 | 4 |
| MARION | 6.72 | - | 6.72 | 2 |
| NASSAU | 2.58 | - | 2.58 | 0.8 |
| OKEECHOBEE | - | - | - | - |
| ORANGE | 85.88 (2) | - | 85.88 (2) | 29 |
| OSCEOLA | - | - | - | - |
| POLK | - | - | - | - |
| PUTNAM | 2.34 | - | 2.34 | 0.8 |
| SEMINOLE | 25.65 | - | 25.65 | 9 |
| ST. JOHNS | 3.50 | - | 3.50 | 1 |
| VOLUSIA | 30.22 (3) | - | 30.22 (3) | 10 |
| TOTALS | 281.90 (4) | 12.97 | 294.87 (4) | |

*Less than 0.5%

- (1) Includes 0.06 MGD saline ground water
- (2) Includes 17.73 MGD withdrawn for use in Brevard County
- (3) Includes 0.13 MGD saline ground water
- (4) Includes 0.19 MGD saline ground water

TABLE 3.--Domestic Self-Supplied
Fresh Ground Water Use (MGD): 1980

| COUNTY | GPCD | TOTAL MGD | PERCENT OF TOTAL |
|--------------|------|-----------|---------------------|
| ALACHUA | 139 | 0.54 | * |
| BAKER | 153 | 1.64 | 2 |
| BRADFORD | (1) | 0.01 | * |
| BREVARD | 144 | 1.44 | 2 |
| CLAY | 149 | 3.88 | 4 |
| DUVAL | 164 | 20.26 | 23 |
| FLAGLER | 201 | 0.50 | * |
| INDIAN RIVER | 250 | 8.51 | 11 |
| LAKE | 195 | 8.08 | 9 |
| MARION | 141 | 6.25 | 7 |
| NASSAU | 217 | 4.55 | 5 |
| OKEECHOBEE | (1) | 0.06 | * |
| ORANGE | 184 | 3.08 | 4 |
| OSCEOLA | (1) | 0.05 | * |
| POLK | (1) | 0.33 | * |
| PUTNAM | 197 | 7.60 | 9 |
| SEMINOLE | 208 | 11.68 | 13 |
| ST. JOHNS | 115 | 2.38 | 3 |
| VOLUSIA | 134 | 4.53 | 5 |
| TOTALS | 165 | 85.37 | |

*Less than 1.0%

(1) Uses District Average per capita

TABLE 4.--Industrial Self-Supplied Fresh Water Use (MGD): 1980

| COUNTY | GROUND | SURFACE | TOTAL | PERCENT OF TOTAL |
|--------------|--------|---------|--------|------------------|
| ALACHUA | 1.41 | - | 1.41 | * |
| BAKER | 0.27 | - | 0.27 | * |
| BRADFORD | - | - | - | - |
| BREVARD | 0.18 | - | 0.18 | * |
| CLAY | 5.33 | - | 5.33 | 3 |
| DUVAL | 40.46 | - | 40.46 | 25 |
| FLAGLER | 0.04 | - | 0.04 | * |
| INDIAN RIVER | 0.27 | - | 0.27 | * |
| LAKE | 10.67 | 4.15 | 14.82 | 9 |
| MARION | 0.82 | - | 0.82 | 2 |
| NASSAU | 44.97 | - | 44.97 | 27.5 |
| OKEECHOBEE | 0.06 | - | 0.06 | * |
| ORANGE | 5.44 | 2.65 | 8.09 | 5 |
| OSCEOLA | - | - | - | - |
| POLK | 0.01 | - | 0.01 | * |
| PUTNAM | 23.17 | 18.77 | 41.94 | 25 |
| SEMINOLE | 4.13 | - | 4.13 | 2.5 |
| ST. JOHNS | 0.02 | - | 0.02 | * |
| VOLUSIA | 0.54 | - | 0.55 | * |
| TOTALS | 137.79 | 25.57 | 163.36 | |

*Less than 1.0%

TABLE 5.--Agricultural Irrigation Fresh Water Use (MGD): 1980

| COUNTY | GROUND | SURFACE | REUSE | TOTAL | PERCENT OF TOTAL |
|--------------|--------|---------|-------|-----------|------------------|
| ALACHUA | 8.94 | 0.97 | - | 9.91 | 1.5 |
| BAKER | 2.33 | 0.59 | - | 2.92 | 0.5 |
| BRADFORD | 0.08 | - | - | 0.08 | * |
| BREVARD | 120.54 | 35.38 | 0.50 | 155.92(1) | 25.5 |
| CLAY | 2.05 | 1.27 | - | 3.32 | 0.5 |
| DUVAL | 4.79 | 1.39 | 0.85 | 6.18(1) | 1.0 |
| FLAGLER | 9.23 | 0.17 | - | 9.40 | 1.5 |
| INDIAN RIVER | 31.47 | 105.62 | 0.10 | 137.09(1) | 23 |
| LAKE | 76.50 | 16.33 | - | 92.83 | 15 |
| MARION | 21.48 | 2.00 | - | 23.48(1) | 4 |
| NASSAU | 1.59 | 0.86 | 0.25 | 2.45(1) | 0.5 |
| OKEECHOBEE | 4.18 | 1.13 | - | 5.31 | 1 |
| ORANGE | 33.34 | 19.24 | - | 52.58 | 8 |
| OSCEOLA | 2.73 | 0.22 | - | 2.95 | 0.5 |
| POLK | 14.49 | 1.15 | - | 15.64 | 2.5 |
| PUTNAM | 16.74 | 1.10 | - | 17.84 | 3 |
| SEMINOLE | 18.68 | 0.40 | - | 19.08 | 3 |
| ST. JOHNS | 24.85 | 0.49 | 0.27 | 25.34(1) | 4 |
| VOLUSIA | 22.90 | 2.46 | - | 25.36 | 4 |
| TOTALS | 416.91 | 190.77 | 1.52 | 607.68(1) | |

*Less than 0.5%

(1) Reuse is not included in Total MGD

TABLE 6.--Thermoelectric Fresh Water Use (MGD): 1980

| COUNTY | GROUND | SURFACE | TOTAL | PERCENT OF TOTAL |
|--------------|--------|---------|-------|---------------------|
| ALACHUA | 0.72 | - | 0.72 | * |
| BAKER | - | - | - | - |
| BRADFORD | - | - | - | - |
| BREVARD | 0.25 | - | 0.25 | * |
| CLAY | - | - | - | - |
| DUVAL | 2.65 | - | 2.65 | 2 |
| FLAGLER | - | - | - | - |
| INDIAN RIVER | 0.43 | - | 0.43 | * |
| LAKE | - | - | - | - |
| MARION | - | - | - | - |
| NASSAU | - | - | - | - |
| OKEECHOBEE | - | - | - | - |
| ORANGE | - | 83.59 | 83.59 | - |
| OSCEOLA | - | - | - | - |
| POLK | - | - | - | - |
| PUTNAM | 0.34 | 0.69 | 1.03 | 8 |
| SEMINOLE | - | - | - | - |
| ST. JOHNS | - | - | - | - |
| VOLUSIA | 0.55 | 3.47 | 4.02 | 90 |
| TOTALS | 4.94 | 87.75 | 92.69 | |

*Less than 1.0%

TABLE 7.--Miscellaneous Ground Water Use (MGD): 1980

| COUNTY | HP/AC | FREE FLOWING WELLS |
|--------------|-------|--------------------|
| ALACHUA | - | - |
| BAKER | - | - |
| BRADFORD | - | - |
| BREVARD | 27.34 | 23.79 |
| CLAY | - | 0.79 |
| DUVAL | 5.63 | 0.51 |
| FLAGLER | - | 0.47 |
| INDIAN RIVER | - | 0.49 |
| LAKE | - | 0.49 |
| MARION | - | 1.71 |
| NASSAU | - | 0.02 |
| OKEECHOBEE | - | - |
| ORANGE | - | 0.02 |
| OSCEOLA | - | - |
| POLK | - | - |
| PUTNAM | 1.60 | 0.55 |
| SEMINOLE | - | 0.04 |
| ST. JOHNS | - | 0.87 |
| VOLUSIA | 6.16 | 1.03 |
| TOTALS | 40.73 | 30.78 |

COUNTY SUMMARY

Orange County was the largest user of fresh water for 1980 (Table 8), accounting for 233.24 MGD (18%), Brevard (229.14 MGD), Indian River (154.43 MGD), Duval (148.94 MGD), and Lake counties (128.37 MGD) were the next four largest fresh water users. These five counties accounted for 69% of the total fresh water use.

Brevard County experienced the largest fresh ground water use by county in 1980, with 180.79 MGD (18%). Other counties which withdrew over 100 MGD of fresh ground water were Duval (147.55 MGD), Orange (127.76 MGD), and Lake (107.89 MGD).

Indian River (105.62 MGD) and Orange (105.48 MGD) counties experienced the largest fresh surface water use by county in 1980, accounting for 67 percent combined. Other counties using substantial amounts of surface water were Brevard (48.35 MGD), Putnam (20.56 MGD), and Lake (20.48 MGD).

Water use shown for those counties partially within the St. Johns River Water Management District (Alachua, Baker, Bradford, Lake, Marion, Okeechobee, Orange, Osceola, and Polk) represents the data from the St. Johns portion only. The remaining portions of those counties are not accounted for in this report.

TABLE 8.--Total Fresh Water Use (MGD) by County: 1980

| COUNTY | GROUND | SURFACE | REUSE | TOTAL | PERCENT OF TOTAL |
|--------------|--------|---------|-------|----------|------------------|
| ALACHUA | 27.93 | 0.97 | - | 28.90 | 2 |
| BAKER | 4.82 | 0.59 | - | 5.41 | * |
| BRADFORD | 0.09 | - | - | 0.09 | * |
| BREVARD | 180.79 | 48.35 | 0.05 | 229.14 | 17.5 |
| CLAY | 18.17 | 1.27 | - | 19.44 | 1.5 |
| DUVAL | 147.55 | 1.39 | 0.85 | 148.94 | 11.5 |
| FLAGLER | 11.94 | 0.17 | * | 12.11 | 1 |
| INDIAN RIVER | 48.81 | 105.62 | 0.10 | 154.43 | 12 |
| LAKE | 107.89 | 20.48 | - | 128.37 | 10 |
| MARION | 36.98 | 2.00 | - | 38.98 | 3 |
| NASSAU | 53.71 | 0.86 | 0.25 | 54.57 | 4 |
| OKEECHOBEE | 4.30 | 1.13 | - | 5.43 | * |
| ORANGE | 127.76 | 105.48 | - | 233.24 | 18 |
| OSCEOLA | 2.78 | 0.22 | - | 3.00 | * |
| POLK | 14.83 | 1.15 | - | 15.98 | 1 |
| PUTNAM | 52.34 | 20.56 | - | 72.90 | 5 |
| SEMINOLE | 60.18 | 0.40 | - | 60.58 | 4.5 |
| ST. JOHNS | 31.62 | 0.49 | 0.27 | 32.11 | 2 |
| VOLUSIA | 65.93 | 5.93 | - | 71.86 | 5 |
| TOTALS | 998.42 | 317.06 | 1.52 | 1,315.48 | |

*Less than 1.0%, the combined total of these equals the remaining 2 percent

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FLORIDA - 1980

Total Population: 9,746,424

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

St. Johns River Water Management Portion

Population: 2,278,372 (23.3% of the State)

Population Public Supply: 1,789,414(1)

Population Domestic Self-Supplied: 486,258

Gallons Per Capita Day: 165

Area: 12,344 sq. miles (7,900,060 acres)

Acres Farmed: 1,111,740

Acres Irrigated: 384,115

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|-------------------|---------------|-------------|---------------------|
| Public | 281.90 | 12.97 | - | 294.87 (2) |
| Domestic | 85.37 | 0.0 | - | 85.37 |
| Industrial | 137.79 | 25.57 | - | 163.37 |
| Agr. Irrigation | 416.91 | 190.77 | 1.97 | 607.68 (3) |
| Thermoelectric | 4.94 | 87.75 | - | 92.69 |
| Heat Pump/air cond. | 40.73 | 0.0 | - | 40.73 |
| Free flowing wells | 30.78 | 0.0 | - | 30.78 |
| TOTALS | 998.42 (2) | 317.06 | 1.97 | 1,315.48 (3) |

(1) Does not include 2,700 population served by Public Supply who live in SJRWMD but use water withdrawn in SWFWMD (Southwest Florida WMD)

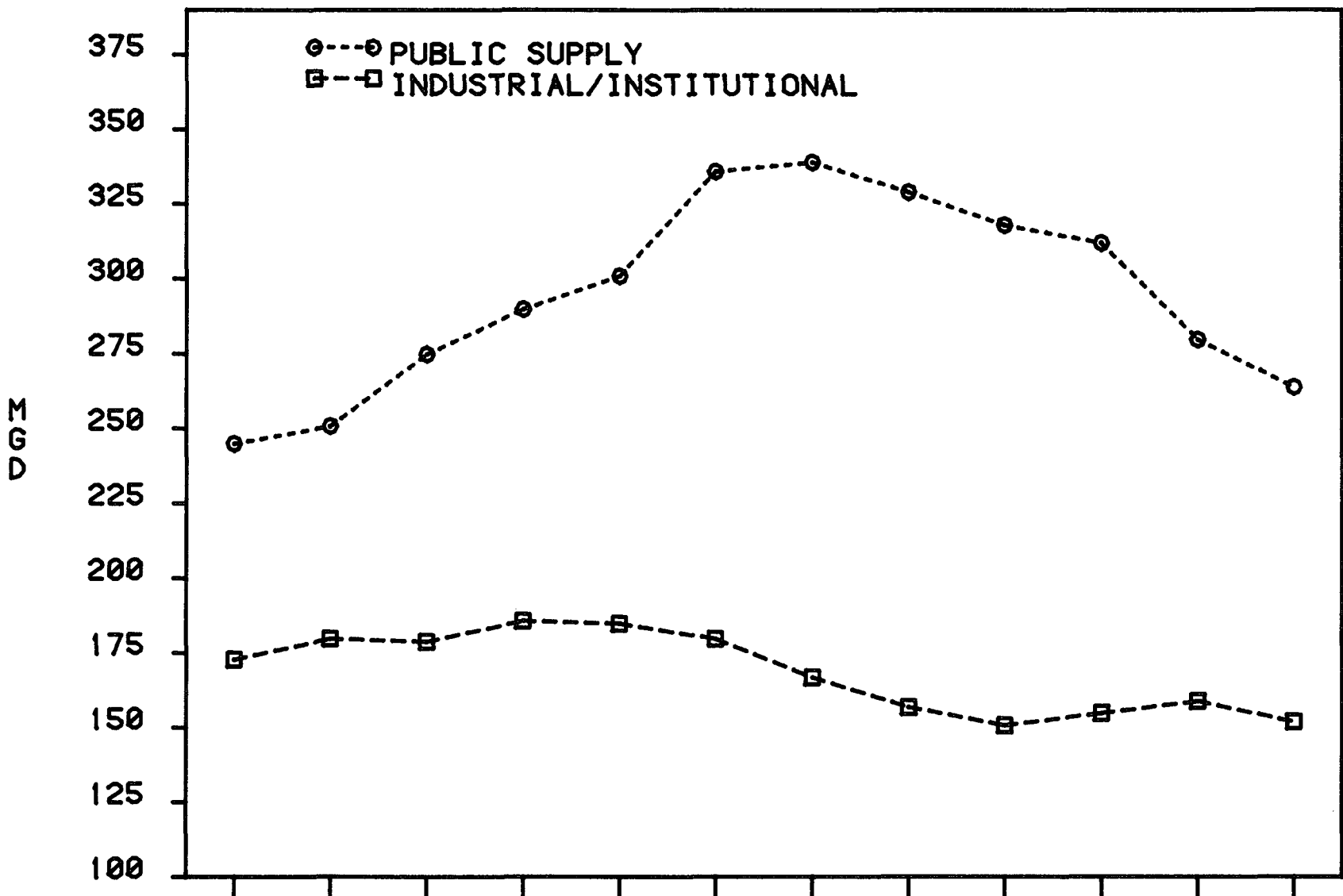
(2) Includes 0.19 MGD saline ground water used for reverse osmosis (R/O)

(3) Reuse is not included in Total

WATER USE BY CROP FOR SJRWMD - 1988

| | TOTAL ACRES | | | WATER USE IN MGD | | TOTAL |
|--|------------------|----------------|---------------|------------------|-------------|---------------|
| | FARMED | IRRIGATED | GROUND | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 13,926 | 13,826 | 13.59 | 1.07 | 0.00 | 14.66 |
| CARROTS | 8,940 | 8,940 | 5.26 | 6.88 | 0.00 | 12.14 |
| CUCUMBERS | 2,926 | 2,826 | 2.67 | 0.00 | 0.00 | 2.67 |
| PEPPERS (1) | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 19,947 | 19,947 | 19.97 | 0.29 | 0.00 | 20.26 |
| TOMATOES (1) | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 11,220 | 11,120 | 7.08 | 6.94 | 0.00 | 14.02 |
| WATERCRESS | 100 | 100 | 0.08 | 0.00 | 0.00 | 0.08 |
| MISC. VEGETABLES | 11,497 | 10,112 | 6.69 | 3.67 | 0.00 | 10.36 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 390 | 359 | 0.57 | 0.00 | 0.00 | 0.57 |
| CITRUS | 279,557 | 153,610 | 184.35 | 129.49 | 0.00 | 313.84 |
| GRAPES | 90 | 87 | 0.96 | 0.00 | 0.00 | 0.96 |
| PEACHES | 1,250 | 950 | 2.63 | 0.06 | 0.00 | 2.69 |
| PECANS | 3,240 | 40 | 0.10 | 0.00 | 0.00 | 0.10 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 4,085 | 2,293 | 1.30 | 0.09 | 0.00 | 1.39 |
| MISC. FRUIT | 15 | 15 | 0.02 | 0.00 | 0.00 | 0.02 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 25,952 | 7,710 | 11.27 | 0.38 | 0.00 | 11.65 |
| PEANUTS | 3,551 | 588 | 0.40 | 0.01 | 0.00 | 0.41 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 2,240 | 2,090 | 2.09 | 0.00 | 0.00 | 2.09 |
| SOYBEANS | 17,025 | 3,375 | 2.67 | 0.18 | 0.00 | 2.85 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 323 | 160 | 0.14 | 0.00 | 0.00 | 0.14 |
| WHEAT | 190 | 190 | 0.08 | 0.00 | 0.00 | 0.08 |
| MISC. GRAINS | 13,300 | 1,050 | 0.88 | 0.22 | 0.00 | 1.10 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 5,695 | 4,905 | 20.25 | 1.39 | 0.00 | 21.64 |
| FLOWERS & FOILAGE | 1,737 | 1,737 | 9.63 | 0.64 | 0.00 | 10.27 |
| WOODY ORNAMENTALS | 2,093 | 1,090 | 5.35 | 0.00 | 0.00 | 5.35 |
| IMPROVED PASTURE | 665,930 | 126,825 | 87.80 | 26.47 | 0.00 | 114.27 |
| SOD | 2,450 | 1,850 | 5.34 | 0.04 | 0.85 | 5.38 |
| TURF GRASS | 14,071 | 8,320 | 18.15 | 6.40 | 1.12 | 24.55 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 7.59 | 6.55 | 0.00 | 14.14 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 1,111,740 | 384,115 | 416.91 | 190.77 | 1.97 | 607.68 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 117,111 | | | | | |
| LOW PRESSURE | 15,386 | | | | | |
| FLOOD | 251,618 | | | | | |

(1) These crops are included in misc. vegetables



MONTHLY FRESH WATER USE IN ST. JOHNS RIVER W.M.D. FOR 1980

WATER USE BY CROP FOR ALACHUA COUNTY - 1980

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|---------------------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 2,626 | 2,626 | 1.40 | 0.00 | 0.00 | 1.40 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 25 | 25 | 0.02 | 0.00 | 0.00 | 0.02 |
| CITRUS | 200 | 100 | 0.15 | 0.00 | 0.00 | 0.15 |
| GRAPES | 20 | 20 | 0.03 | 0.00 | 0.00 | 0.03 |
| PEACHES | 250 | 150 | 0.34 | 0.06 | 0.00 | 0.40 |
| PECANS | 3,000 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 1,250 | 813 | 0.35 | 0.07 | 0.00 | 0.42 |
| MISC. FRUIT | 15 | 15 | 0.02 | 0.00 | 0.00 | 0.02 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 7,000 | 900 | 0.80 | 0.09 | 0.00 | 0.89 |
| PEANUTS | 200 | 100 | 0.05 | 0.01 | 0.00 | 0.06 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 4,000 | 2,025 | 1.50 | 0.16 | 0.00 | 1.66 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 100 | 80 | 0.07 | 0.00 | 0.00 | 0.07 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 10,500 | 1,050 | 0.88 | 0.22 | 0.00 | 1.10 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 225 | 225 | 1.09 | 0.00 | 0.00 | 1.09 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 57,000 | 1,200 | 1.16 | 0.00 | 0.00 | 1.16 |
| SOD | 500 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 405 | 268 | 0.72 | 0.00 | 0.00 | 0.72 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.36 | 0.36 | 0.00 | 0.72 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 87,316 | 9,597 | 8.94 | 0.97 | 0.00 | 9.91 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 9,493 | | | | | |
| LOW PRESSURE | 104 | | | | | |
| FLOOD | 0 | | | | | |

COUNTY: ALACHUA - 1980

Total Population: 151,369

Total Land Area: 961 sq. miles

St. Johns River Water Management Portion

Population: 121,078

Population Public Supply: 117,200(1)

Population Domestic Self-Supplied: 3,878

Gallons Per Capita Day: 139

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

Acres Farmed: 87,316

Acres Irrigated: 9,597

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 16.32 | 0.0 | - | 16.32 |
| Domestic | 0.54 | 0.0 | - | 0.54 |
| Industrial | 1.41 | 0.0 | - | 1.41 |
| Agr. Irrigation | 8.94 | 0.97 | - | 9.91 |
| Thermoelectric | 0.72 | 0.0 | - | 0.72 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.0 | 0.0 | - | 0.0 |
| TOTALS | 27.93 | 0.97 | 0.0 | 28.90 |

(1) Includes 2,700 population living in SRWMD (Suwannee River WMD) and supplied from SJRWMD

WATER USE BY CROP FOR BAKER COUNTY - 1980

| | TOTAL ACRES | | | WATER USE IN MGD | | TOTAL |
|---------------------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | GROUND | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 100 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 100 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 100 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 522 | 100 | 0.11 | 0.00 | 0.00 | 0.11 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 200 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 400 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 4,467 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 100 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 500 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 106 | 0 | 0.07 | 0.00 | 0.00 | 0.07 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WOODY ORNAMENTALS | 1,200 | 200 | 1.49 | 0.00 | 0.00 | 1.49 |
| IMPROVED PASTURE | 7,000 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 125 | 100 | 0.25 | 0.00 | 0.00 | 0.25 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.41 | 0.59 | 0.00 | 1.00 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 15,000 | 400 | 2.33 | 0.59 | 0.00 | 2.92 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 400 | | | | | |
| LOW PRESSURE | 0 | | | | | |
| FLOOD | 0 | | | | | |

COUNTY: BAKER - 1980

Total Population: 15,289

Total Land Area: 588 sq. miles

St. Johns River Water Management Portion

Population: 14,525

Population Public Supply: 3,800

Population Domestic Self-Supplied: 10,725

Gallons Per Capita Day: 153

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

Acres Farmed: 15,000

Acres Irrigated: 480

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 0.58 | 0.0 | - | 0.58 |
| Domestic | 1.64 | 0.0 | - | 1.64 |
| Industrial | 0.27 | 0.0 | - | 0.27 |
| Agr. Irrigation | 2.33 | 0.59 | - | 2.92 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.0 | 0.0 | - | 0.0 |
| TOTALS | 4.82 | 0.59 | 0.0 | 5.41 |

WATER USE BY CROP FOR BRADFORD COUNTY - 1980

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|---------------------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 40 | 30 | 0.08 | 0.00 | 0.00 | 0.08 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 40 | 30 | 0.08 | 0.00 | 0.00 | 0.08 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 30 | | | | | |
| LOW PRESSURE | 0 | | | | | |
| FLOOD | 0 | | | | | |

COUNTY: BRADFORD - 1980

Total Population: 20,023

Total Land Area: 305 sq. miles

St. Johns River Water Management Portion

Population: 80

Population Public Supply: -0-

Population Domestic Self-Supplied: 80

Gallons Per Capita Day: 165 - District average

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

Acres Farmed: 40

Acres Irrigated: 30

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 0.0 | 0.0 | - | 0.0 |
| Domestic | 0.01 | 0.0 | - | 0.01 |
| Industrial | 0.0 | 0.0 | - | 0.0 |
| Agr. Irrigation | 0.08 | 0.0 | - | 0.08 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.0 | 0.0 | - | 0.0 |
| TOTALS | 0.09 | 0.0 | 0.0 | 0.09 |

WATER USE BY CROP FOR BREVARD COUNTY - 1988

| | TOTAL ACRES | | | WATER USE IN MGD | | TOTAL |
|----------------------------------|----------------|----------------|---------------|------------------|-------------|---------------|
| | FARMED | IRRIGATED | GROUND | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 200 | 150 | 0.11 | 0.90 | 0.00 | 1.01 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 23,000 | 17,599 | 47.06 | 9.64 | 0.00 | 56.70 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 150 | 150 | 0.13 | 0.02 | 0.00 | 0.15 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 60 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 50 | 50 | 0.05 | 0.00 | 0.00 | 0.05 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 10 | 10 | 0.07 | 0.00 | 0.00 | 0.07 |
| WOODY ORNAMENTALS | 190 | 190 | 0.60 | 0.00 | 0.00 | 0.60 |
| IMPROVED PASTURE | 121,700 | 100,000 | 67.34 | 22.45 | 0.00 | 89.79 |
| SOD | 1,000 | 1,000 | 3.40 | 0.00 | 0.00 | 3.40 |
| TURF GRASS | 1,552 | 1,123 | 1.26 | 2.00 | 0.50 | 3.26 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.52 | 0.37 | 0.00 | 0.89 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 147,912 | 120,272 | 120.54 | 35.38 | 0.50 | 155.92 |

IRRIGATION ACRES BY SYSTEM TYPE

SPRINKLER 10,971
 LOW PRESSURE 880
 FLOOD 108,421

COUNTY: BREVARD - 1980

Total Population: 272,959

Total Land Area: 1,310 sq. miles

St. Johns River Water Management Portion

Population: 272,959

Population Public Supply: 262,959

Population Domestic Self-Supplied: 10,000

Gallons Per Capita Day: 144

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

Acres Farmed: 147,912

Acres Irrigated: 120,272

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|-----------|---------|-------|--------------|
| Public | 7.25(1) | 12.97 | - | 20.22(1) |
| Domestic | 1.44 | 0.0 | - | 1.44 |
| Industrial | 0.18 | 0.0 | - | 0.18 |
| Agr. Irrigation | 120.54 | 35.38 | 0.50 | 155.92(2) |
| Thermoelectric | 0.25 | 0.0 | - | 0.25(3) |
| Heat Pump/air cond. | 27.34(4) | 0.0 | - | 27.34(4) |
| Free-flowing wells | 23.79 | 0.0 | - | 23.79 |
| TOTALS | 180.79(1) | 48.35 | 0.50 | 229.14(1)(2) |

(1) Includes 0.01 MGD saline ground water used for R/O

(2) Reuse is not included in Total

(3) Does not include 570.06 MGD saline surface water from the Indian River used for cooling

(4) Revised heat pump Water Use (SJRWMD, 1986) (Skipp, D. Marella, R., 1987)

WATER USE BY CROP FOR CLAY COUNTY - 1980

| | TOTAL ACRES | | | WATER USE IN MGD | | TOTAL |
|---------------------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | GROUND | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 200 | 50 | 0.02 | 0.00 | 0.00 | 0.02 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 1,200 | 40 | 0.07 | 0.00 | 0.00 | 0.07 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 2,000 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 50 | 50 | 0.23 | 0.00 | 0.00 | 0.23 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 40,000 | 230 | 0.21 | 0.00 | 0.00 | 0.21 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 145 | 100 | 0.26 | 0.00 | 0.00 | 0.26 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 1.26 | 1.27 | 0.00 | 2.53 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 44,395 | 470 | 2.05 | 1.27 | 0.00 | 3.32 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 255 | | | | | |
| LOW PRESSURE | 0 | | | | | |
| FLOOD | 215 | | | | | |

COUNTY: CLAY - 1980

Total Population: 67,052

Total Land Area: 644 sq. miles

St. Johns River Water Management Portion

Population: 67,052

Population Public Supply: 41,052

Population Domestic Self-Supplied: 26,010

Gallons Per Capita Day: 149

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

Acres Farmed: 44,395

Acres Irrigated: 470

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 6.12 | 0.0 | - | 6.12 |
| Domestic | 3.88 | 0.0 | - | 3.88 |
| Industrial | 5.33 | 0.0 | - | 5.33 |
| Agr. Irrigation | 2.05 | 1.27 | - | 3.32 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.79 | 0.0 | - | 0.79 |
| TOTALS | 18.17 | 1.27 | 0.0 | 19.44 |

WATER USE BY CROP FOR DUVAL COUNTY - 1988

| | TOTAL ACRES | | WATER USE IN MGD | | | TOTAL |
|-----------------------|-------------|-----------|------------------|---------|-----------|-------|
| | FARMED | IRRIGATED | GROUND | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 200 | 4 | 0.00 | 0.00 | 0.00 | 0.00 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 20 | 9 | 0.01 | 0.00 | 0.00 | 0.01 |
| CITRUS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| GRAPES | 10 | 7 | 0.01 | 0.00 | 0.00 | 0.01 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 200 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 7 | 7 | 0.02 | 0.00 | 0.00 | 0.02 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 12,000 | 500 | 0.45 | 0.00 | 0.00 | 0.45 |
| SOD | 300 | 300 | 0.00 | 0.04 | 0.05 | 0.04 |
| TURF GRASS | 2,992 | 1,413 | 3.20 | 0.51 | 0.00 | 3.71 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 1.10 | 0.84 | 0.00 | 1.94 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 15,729 | 2,240 | 4.79 | 1.39 | 0.85 | 6.18 |

IRRIGATION ACRES BY SYSTEM TYPE

| | |
|--------------|-------|
| SPRINKLER | 2,187 |
| LOW PRESSURE | 13 |
| FLOOD | 40 |

COUNTY: DUVAL - 1980

Total Population: 570,981

Total Land Area: 840 sq. miles

St. Johns River Water Management Portion

Population: 570,981

Population Public Supply: 447,274

Population Domestic Self-Supplied: 123,707

Gallons Per Capita Day: 164

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

Acres Farmed: 15,479

Acres Irrigated: 2,240

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|------------|
| Public | 73.25 | 0.0 | - | 73.25 |
| Domestic | 20.26 | 0.0 | - | 20.26 |
| Industrial | 40.46 | 0.0 | - | 40.46 (1) |
| Agr. Irrigation | 4.79 | 1.39 | 0.85 | 6.18 (2) |
| Thermoelectric | 2.65 | 0.0 | - | 2.65 (3) |
| Heat Pump/air cond. | 5.63 | 0.0 | - | 5.63 |
| Free flowing wells | 0.51 | 0.0 | - | 0.51 |
| TOTALS | 147.55 | 1.39 | 0.85 | 148.94 (2) |

(1) Does not include 52.54 MGD saline surface water from the St. Johns River for industrial use

(2) Reuse is not included in Total

(3) Does not include 1,225.0 MGD saline surface water from the St. Johns River for cooling

WATER USE BY CROP FOR FLAGLER COUNTY - 1988

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|----------------------------------|---------------|--------------|-------------|------------------|-------------|-------------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 2,250 | 2,250 | 3.42 | 0.00 | 0.00 | 3.42 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 1,800 | 1,800 | 1.70 | 0.00 | 0.00 | 1.70 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 150 | 150 | 0.32 | 0.00 | 0.00 | 0.32 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 500 | 500 | 0.77 | 0.00 | 0.00 | 0.77 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 1,500 | 1,500 | 1.41 | 0.00 | 0.00 | 1.41 |
| SOYBEANS | 300 | 300 | 0.24 | 0.00 | 0.00 | 0.24 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 16,500 | 1,000 | 0.90 | 0.00 | 0.00 | 0.90 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 271 | 183 | 0.40 | 0.12 | 0.00 | 0.52 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.07 | 0.05 | 0.00 | 0.12 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 23,271 | 7,683 | 9.23 | 0.17 | 0.00 | 9.40 |

IRRIGATION ACRES BY SYSTEM TYPE

| | |
|--------------|-------|
| SPRINKLER | 183 |
| LOW PRESSURE | 0 |
| FLOOD | 7,500 |

COUNTY: FLAGLER - 1980

Total Population: 10,913

Total Land Area: 504 sq. miles

St. Johns River Water Management Portion

Population: 10,913

Population Public Supply: 8,439

Population Domestic Self-Supplied: 2,474

Gallons Per Capita Day: 201

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

Acres Farmed: 23,271

Acres Irrigated: 7,683

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 1.70 | 0.0 | - | 1.70 |
| Domestic | 0.50 | 0.0 | - | 0.50 |
| Industrial | 0.04 | 0.0 | - | 0.04 |
| Agr. Irrigation | 9.23 | 0.17 | - | 9.40 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.47 | 0.0 | - | 0.47 |
| TOTALS | 11.94 | 0.17 | 0.0 | 12.11 |

WATER USE BY CROP FOR INDIAN RIVER - 1988

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|-----------------------|-------------|-----------|--------|------------------|-----------|--------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 58,262 | 53,841 | 25.29 | 101.19 | 0.00 | 126.48 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 2,500 | 2,500 | 3.83 | 0.00 | 0.00 | 3.83 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 62,208 | 5,000 | 1.80 | 2.70 | 0.00 | 4.50 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 1,235 | 872 | 0.48 | 1.44 | 0.10 | 1.92 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.07 | 0.29 | 0.00 | 0.36 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 124,205 | 62,213 | 31.47 | 105.62 | 0.10 | 137.09 |

IRRIGATION ACRES BY SYSTEM TYPE
 SPRINKLER 2,278
 LOW PRESSURE 8,500
 FLOOD 51,435

COUNTY: INDIAN RIVER - 1980

Total Population: 59,896

Total Land Area: 549 sq. miles

St. Johns River Water Management Portion

Population: 59,896

Population Public Supply: 25,849

Population Domestic Self-Supplied: 34,047

Gallons Per Capita Day: 295(1)

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

Acres Farmed: 124,205

Acres Irrigated: 62,213

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|----------|---------|-------|--------------|
| Public | 7.64(2) | 0.0 | - | 7.64(2) |
| Domestic | 8.51 | 0.0 | - | 8.51 |
| Industrial | 0.27 | 0.0 | - | 0.27 |
| Agr. Irrigation | 31.47 | 105.62 | 0.10 | 137.09(3) |
| Thermoelectric | 0.43 | 0.0 | - | 0.43(4) |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.49 | 0.0 | - | 0.49 |
| TOTALS | 48.81(1) | 105.62 | 0.10 | 154.43(1)(2) |

(1) Used 250 GPCD based on more accurated data

(2) Includes 0.06 MGD saline ground water used for R/O

(3) Reuse is not included in Total

(4) Does not include 65.96 MGD saline surface water from the Indian River used for cooling

WATER USE BY CROP FOR LAKE COUNTY - 1980

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|----------------------------------|----------------|---------------|--------------|------------------|-------------|--------------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 196 | 196 | 0.28 | 0.00 | 0.00 | 0.28 |
| CARROTS | 2,940 | 2,940 | 3.54 | 0.00 | 0.00 | 3.54 |
| CUCUMBERS | 196 | 196 | 0.17 | 0.00 | 0.00 | 0.17 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 147 | 147 | 0.14 | 0.00 | 0.00 | 0.14 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 5,880 | 5,880 | 5.30 | 1.31 | 0.00 | 6.61 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 1,764 | 1,764 | 1.58 | 0.00 | 0.00 | 1.58 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 123,000 | 43,050 | 54.86 | 13.72 | 0.00 | 68.58 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 40 | 40 | 0.10 | 0.00 | 0.00 | 0.10 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 980 | 980 | 0.64 | 0.00 | 0.00 | 0.64 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 5,000 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 190 | 190 | 0.08 | 0.00 | 0.00 | 0.08 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 450 | 450 | 1.67 | 0.00 | 0.00 | 1.67 |
| FLOWERS & FOILAGE | 100 | 100 | 0.43 | 0.00 | 0.00 | 0.43 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 46,250 | 7,500 | 6.34 | 0.40 | 0.00 | 6.74 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 950 | 530 | 1.00 | 0.54 | 0.00 | 1.54 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.37 | 0.36 | 0.00 | 0.73 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 188,083 | 63,963 | 76.50 | 16.33 | 0.00 | 92.83 |

IRRIGATION ACRES BY SYSTEM TYPE

| | |
|--------------|--------|
| SPRINKLER | 43,248 |
| LOW PRESSURE | 1,762 |
| FLOOD | 18,953 |

COUNTY: LAKE - 1980

Total Population: 104,870

Total Land Area: 1,163 sq. miles

St. Johns River Water Management Portion

Population: 103,821

Population Public Supply: 62,338

Population Domestic Self-Supplied: 41,483

Gallons Per Capita Day: 195

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

Acres Farmed: 188,083

Acres Irrigated: 63,963

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|------------|
| Public | 12.15 | 0.0 | - | 12.15 |
| Domestic | 8.08 | 0.0 | - | 8.08 |
| Industrial | 10.67 | 4.15 | - | 14.82 |
| Agr. Irrigation | 76.50 | 16.33 | - | 92.83 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.49 | 0.0 | - | 0.49 |
| TOTALS | 107.89 | 20.48 | - | 128.37 (1) |

WATER USE BY CROP FOR MARION COUNTY - 1988

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|----------------------------------|---------------|---------------|--------------|------------------|-------------|--------------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 1,600 | 1,220 | 0.69 | 0.00 | 0.00 | 0.69 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 50 | 50 | 0.08 | 0.00 | 0.00 | 0.08 |
| CITRUS | 11,272 | 6,600 | 12.00 | 1.81 | 0.00 | 13.81 |
| GRAPES | 50 | 50 | 0.90 | 0.00 | 0.00 | 0.90 |
| PEACHES | 1,000 | 800 | 2.29 | 0.00 | 0.00 | 2.29 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 1,150 | 350 | 0.18 | 0.00 | 0.00 | 0.18 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 4,125 | 1,320 | 1.86 | 0.10 | 0.00 | 1.96 |
| PEANUTS | 3,251 | 488 | 0.35 | 0.00 | 0.00 | 0.35 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 150 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 5,625 | 750 | 0.60 | 0.02 | 0.00 | 0.62 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 20 | 15 | 0.07 | 0.00 | 0.00 | 0.07 |
| FLOWERS & FOILAGE | 10 | 10 | 0.05 | 0.00 | 0.00 | 0.05 |
| WOODY ORNAMENTALS | 50 | 50 | 0.26 | 0.00 | 0.00 | 0.26 |
| IMPROVED PASTURE | 60,500 | 275 | 0.25 | 0.00 | 0.00 | 0.25 |
| SOD | 50 | 50 | 0.14 | 0.00 | 0.00 | 0.14 |
| TURF GRASS | 612 | 252 | 0.66 | 0.02 | 0.00 | 0.68 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 1.10 | 0.05 | 0.00 | 1.15 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 89,515 | 12,280 | 21.48 | 2.00 | 0.00 | 23.48 |

IRRIGATION ACRES BY SYSTEM TYPE
 SPRINKLER 10,299
 LOW PRESSURE 610
 FLOOD 1,371

COUNTY: MARION - 1980

Total Population: 122,488

Total Land Area: 1,652 sq. miles

St. Johns River Water Management Portion

Population: 91,866

Population Public Supply: 47,609

Population Domestic Self-Supplied: 44,257

Gallons Per Capita Day: 141

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

Acres Farmed: 89,515

Acres Irrigated: 12,280

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|----------|
| Public | 6.72 | 0.0 | - | 6.72 |
| Domestic | 6.25 | 0.0 | - | 6.25 |
| Industrial | 0.82 | - | - | 0.82 |
| Agr. Irrigation | 21.48 | 2.0 | - | 23.48 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 1.71 | 0.0 | - | 1.71 |
| TOTALS | 36.98 | 2.0 | - | 38.98(1) |

WATER USE BY CROP FOR NASSAU COUNTY - 1988

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|---------------------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 100 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 215 | 215 | 0.36 | 0.00 | 0.00 | 0.36 |
| CITRUS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 5 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 1,500 | 50 | 0.06 | 0.00 | 0.00 | 0.06 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 37 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 20 | 20 | 0.10 | 0.00 | 0.00 | 0.10 |
| WOODY ORNAMENTALS | 3 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 4,810 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 491 | 222 | 0.24 | 0.03 | 0.25 | 0.27 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.83 | 0.83 | 0.00 | 1.66 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 7,181 | 507 | 1.59 | 0.86 | 0.25 | 2.45 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 292 | | | | | |
| LOW PRESSURE | 215 | | | | | |
| FLOOD | 0 | | | | | |

COUNTY: NASSAU - 1980

Total Population: 32,894

Total Land Area: 671 sq. miles

St. Johns River Water Management Portion

Population: 32,894

Population Public Supply: 11,888

Population Domestic Self-Supplied: 21,006

Gallons Per Capita Day: 217

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

Acres Farmed: 7,181

Acres Irrigated: 507

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-----------|
| Public | 2.58 | 0.0 | - | 2.58 |
| Domestic | 4.55 | 0.0 | - | 4.55 |
| Industrial | 44.97 | 0.0 | - | 44.97 (1) |
| Agr. Irrigation | 1.59 | 0.86 | 0.25 | 2.45 (2) |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.02 | 0.0 | - | 0.02 |
| TOTALS | 53.71 | 0.86 | 0.25 | 54.57 (2) |

(1) Does not include 1.74 MGD saline surface water from the Amelia River for Industrial Use

(2) Reuse use is not included in Total

WATER USE BY CROP FOR OKEECHOBEE COUNTY - 1988

| | TOTAL ACRES | | WATER USE IN MGD | | | TOTAL |
|---------------------------------|-------------|-----------|------------------|---------|-----------|-------|
| | FARMED | IRRIGATED | GROUND | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 1,400 | 1,200 | 1.60 | 0.38 | 0.00 | 1.98 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 20,000 | 2,782 | 2.00 | 0.50 | 0.00 | 2.50 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.58 | 0.25 | 0.00 | 0.83 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 21,400 | 3,982 | 4.18 | 1.13 | 0.00 | 5.31 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 0 | | | | | |
| LOW PRESSURE | 0 | | | | | |
| FLOOD | 3,982 | | | | | |

COUNTY: OKEECHOBEE - 1980

Total Population: 20,264

Total Land Area: 780 sq. miles

St. Johns River Water Management Portion

Population: 320

Population Public Supply: -0-

Population Domestic Self-Supplied: 320

Gallons Per Capita Day: 165 - District Average

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

Acres Farmed: 21,400

Acres Irrigated: 3,982

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 0.0 | 0.0 | - | 0.0 |
| Domestic | 0.06 | 0.0 | - | 0.06 |
| Industrial | 0.06 | 0.0 | - | 0.06 |
| Agr. Irrigation | 4.18 | 1.13 | - | 5.31 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.0 | 0.0 | - | 0.0 |
| TOTALS | 4.30 | 1.13 | 0.0 | 5.43 |

WATER USE BY CROP FOR ORANGE COUNTY - 1980

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|-----------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 900 | 900 | 0.27 | 1.07 | 0.00 | 1.34 |
| CARROTS | 6,000 | 6,000 | 1.72 | 6.88 | 0.00 | 8.60 |
| CUCUMBERS | 150 | 150 | 0.22 | 0.00 | 0.00 | 0.22 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 5,000 | 5,000 | 1.41 | 5.63 | 0.00 | 7.04 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 2,425 | 2,425 | 0.70 | 2.77 | 0.00 | 3.47 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 25,580 | 14,400 | 20.28 | 1.60 | 0.00 | 21.88 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 150 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 200 | 200 | 0.28 | 0.00 | 0.00 | 0.28 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 200 | 200 | 0.22 | 0.00 | 0.00 | 0.22 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 500 | 500 | 1.94 | 0.48 | 0.00 | 2.42 |
| WOODY ORNAMENTALS | 500 | 500 | 2.42 | 0.00 | 0.00 | 2.42 |
| IMPROVED PASTURE | 18,562 | 1,688 | 1.32 | 0.20 | 0.00 | 1.52 |
| SOD | 100 | 100 | 0.29 | 0.00 | 0.00 | 0.29 |
| TURF GRASS | 1,413 | 819 | 2.00 | 0.34 | 0.00 | 2.34 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.27 | 0.27 | 0.00 | 0.54 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 61,680 | 32,882 | 33.34 | 19.24 | 0.00 | 52.58 |

IRRIGATION ACRES BY SYSTEM TYPE
 SPRINKLER 15,487
 LOW PRESSURE 2,000
 FLOOD 15,395

COUNTY: ORANGE - 1980

Total Population: 471,016

Total Land Area: 1,003 sq. miles

St. Johns River Water Management Portion

Population: 386,761

Population Public Supply: 370,053

Population Domestic Self-Supplied: 16,708

Gallons Per Capita Day: 184

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

Acres Farmed: 62,680

Acres Irrigated: 33,882

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|-----------|---------|-------|-----------|
| Public | 85.88(1) | 0.0 | - | 85.88(1) |
| Domestic | 3.08 | 0.0 | - | 3.08 |
| Industrial | 5.44 | 2.65 | - | 8.09 |
| Agr. Irrigation | 33.34 | 19.24 | - | 52.58 |
| Thermoelectric | 0.0 | 83.59 | - | 83.59 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.02 | 0.0 | - | 0.02 |
| TOTALS | 127.76(1) | 105.48 | 0.0 | 233.24(1) |

(1) Includes 17.73 MGD withdrawn in Orange County for use in Brevard County

WATER USE BY CROP FOR OSCEOLA COUNTY - 1980

| | TOTAL ACRES | | WATER USE IN MGD | | | TOTAL |
|--|----------------|--------------|------------------|-------------|-------------|-------------|
| | FARMED | IRRIGATED | GROUND | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 200 | 200 | 0.11 | 0.00 | 0.00 | 0.11 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 2,250 | 770 | 1.72 | 0.00 | 0.00 | 1.72 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 125,800 | 1,250 | 0.90 | 0.22 | 0.00 | 1.12 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 128,250 | 2,220 | 2.73 | 0.22 | 0.00 | 2.95 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 0 | | | | | |
| LOW PRESSURE | 0 | | | | | |
| FLOOD | 2,220 | | | | | |

COUNTY: OSCEOLA - 1980

Total Population: 49,287

Total Land Area: 1,467 sq. miles

St. Johns River Water Management Portion

Population: 260

Population Public Supply: -0-

Population Domestic Self-Supplied: 260

Gallons Per Capita Day: 165 - District average

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

Acres Farmed: 128,250

Acres Irrigated: 2,220

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 0.0 | 0.0 | - | 0.0 |
| Domestic | 0.05 | 0.0 | - | 0.05 |
| Industrial | 0.0 | 0.0 | - | 0.0 |
| Agr. Irrigation | 2.73 | 0.22 | - | 2.95 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.0 | 0.0 | - | 0.0 |
| TOTALS | 2.78 | 0.22 | 0.0 | 3.00 |

WATER USE BY CROP FOR POLK COUNTY - 1980

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|-----------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 15,000 | 10,000 | 14.00 | 1.15 | 0.00 | 15.15 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FLOWERS & FOILAGE | 5 | 5 | 0.02 | 0.00 | 0.00 | 0.02 |
| WOODY ORNAMENTALS | 50 | 50 | 0.10 | 0.00 | 0.00 | 0.10 |
| IMPROVED PASTURE | 4,500 | 100 | 0.37 | 0.00 | 0.00 | 0.37 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 19,555 | 10,155 | 14.49 | 1.15 | 0.00 | 15.64 |

IRRIGATION ACRES BY SYSTEM TYPE

| | |
|--------------|-------|
| SPRINKLER | 9,455 |
| LOW PRESSURE | 600 |
| FLOOD | 100 |

COUNTY: POLK - 1980

Total Population: 321,652

Total Land Area: 2,048 sq. miles

St. Johns River Water Management Portion

Population: 4,600

Population Public Supply: -0-(1)

Population Domestic Self-Supplied: 1,900

Gallons Per Capita Day: 165 - District Average

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

Acres Farmed: 19,555

Acres Irrigated: 10,155

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 0.0 | 0.0 | - | 0.0 |
| Domestic | 0.33 | 0.0 | - | 0.33 |
| Industrial | 0.01 | 0.0 | - | 0.01 |
| Agr. Irrigation | 14.49 | 1.15 | - | 15.64 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free flowing wells | 0.0 | 0.0 | - | 0.0 |
| TOTALS | 14.83 | 1.15 | 0.0 | 15.98 |

(1) Does not include 2,700 population served by Haines City in SWFWMD that live in SJRWMD

WATER USE BY CROP FOR PUTNAM COUNTY - 1988

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|--|---------------|---------------|--------------|------------------|-------------|--------------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 3,000 | 3,000 | 2.76 | 0.00 | 0.00 | 2.76 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 3,000 | 3,000 | 4.00 | 0.29 | 0.00 | 4.29 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 200 | 200 | 0.48 | 0.00 | 0.00 | 0.48 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 75 | 55 | 0.09 | 0.00 | 0.00 | 0.09 |
| CITRUS | 2,500 | 500 | 0.96 | 0.00 | 0.00 | 0.96 |
| GRAPES | 10 | 10 | 0.02 | 0.00 | 0.00 | 0.02 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 3,000 | 1,000 | 1.68 | 0.19 | 0.00 | 1.87 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 1,000 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 700 | 700 | 2.61 | 0.29 | 0.00 | 2.90 |
| FLOWERS & FOILAGE | 220 | 220 | 1.48 | 0.16 | 0.00 | 1.64 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 37,000 | 2,500 | 2.24 | 0.00 | 0.00 | 2.24 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 60 | 40 | 0.18 | 0.00 | 0.00 | 0.18 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.24 | 0.17 | 0.00 | 0.41 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 50,765 | 11,225 | 16.74 | 1.10 | 0.00 | 17.84 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 1,200 | | | | | |
| LOW PRESSURE | 55 | | | | | |
| FLOOD | 9,970 | | | | | |

COUNTY: PUTNAM - 1980

Total Population: 50,549

Total Land Area: 879 sq. miles

St. Johns River Water Management Portion

Population: 50,549

Population Public Supply: 11,907

Population Domestic Self-Supplied: 38,642

Gallons Per Capita Day: 197

Land Area: 879 sq. miles (562,460 acres) (1)

Acres Farmed: 50,765

Acres Irrigated: 11,225

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 2.34 | 0.0 | - | 2.34 |
| Domestic | 7.60 | 0.0 | - | 7.60 |
| Industrial | 23.17 | 18.77 | - | 41.94 |
| Agr. Irrigation | 16.74 | 1.10 | - | 17.84 |
| Thermoelectric | 0.34 | 0.69 | - | 1.03 |
| Heat Pump/air cond. | 1.60 | 0.0 | - | 1.60 |
| Free-flowing wells | 0.55 | 0.0 | - | 0.55 |
| TOTALS | 52.34 | 20.56 | 0.0 | 72.90 |

(1) There is less than one square mile (100 acres) of land area in Putnam County that is not within the SJRWMD

WATER USE BY CROP FOR SEMINOLE COUNTY - 1988

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|---------------------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 1,600 | 1,600 | 1.47 | 0.00 | 0.00 | 1.47 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 1,600 | 1,600 | 1.47 | 0.00 | 0.00 | 1.47 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 40 | 40 | 0.07 | 0.00 | 0.00 | 0.07 |
| WATERCRESS | 100 | 100 | 0.08 | 0.00 | 0.00 | 0.08 |
| MISC. VEGETABLES | 960 | 873 | 0.57 | 0.00 | 0.00 | 0.57 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 5 | 5 | 0.01 | 0.00 | 0.00 | 0.01 |
| CITRUS | 6,700 | 4,000 | 5.14 | 0.00 | 0.00 | 5.14 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 200 | 200 | 0.37 | 0.00 | 0.00 | 0.37 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 40 | 40 | 0.04 | 0.00 | 0.00 | 0.04 |
| SOYBEANS | 100 | 100 | 0.11 | 0.00 | 0.00 | 0.11 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 20 | 20 | 0.08 | 0.00 | 0.00 | 0.08 |
| FLOWERS & FOILAGE | 560 | 560 | 3.99 | 0.00 | 0.00 | 3.99 |
| WOODY ORNAMENTALS | 25 | 25 | 0.09 | 0.00 | 0.00 | 0.09 |
| IMPROVED PASTURE | 9,000 | 2,000 | 1.80 | 0.00 | 0.00 | 1.80 |
| SOD | 300 | 300 | 1.14 | 0.00 | 0.00 | 1.14 |
| TURF GRASS | 1,173 | 626 | 2.07 | 0.30 | 0.00 | 2.37 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.18 | 0.10 | 0.00 | 0.28 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 22,423 | 12,889 | 18.68 | 0.40 | 0.00 | 19.08 |
| IRRIGATION ACRES BY SYSTEM TYPE | | | | | | |
| SPRINKLER | 5,191 | | | | | |
| LOW PRESSURE | 552 | | | | | |
| FLOOD | 7,146 | | | | | |

COUNTY: SEMINOLE - 1980

Total Population: 179,752

Total Land Area: 352 sq. miles

St. Johns River Water Management Portion

Population: 179,752

Population Public Supply: 123,508

Population Domestic Self-Supplied: 56,244

Gallons Per Capita Day: 208

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

Acres Farmed: 22,423

Acres Irrigated: 12,889

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-------|
| Public | 25.65 | 0.0 | - | 25.65 |
| Domestic | 11.68 | 0.0 | - | 11.68 |
| Industrial | 4.13 | 0.0 | - | 4.13 |
| Agr. Irrigation | 18.68 | 0.40 | - | 19.08 |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.04 | 0.0 | - | 0.04 |
| TOTALS | 60.18 | 0.40 | 0.0 | 60.58 |

WATER USE BY CROP FOR ST. JOHNS COUNTY - 1980

| | TOTAL ACRES | | GROUND | WATER USE IN MGD | | TOTAL |
|-----------------------|-------------|-----------|--------|------------------|-----------|-------|
| | FARMED | IRRIGATED | | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 5,000 | 5,000 | 4.58 | 0.00 | 0.00 | 4.58 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 15,000 | 15,000 | 14.13 | 0.00 | 0.00 | 14.13 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 200 | 200 | 0.30 | 0.00 | 0.00 | 0.30 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 400 | 400 | 0.74 | 0.00 | 0.00 | 0.74 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 100 | 100 | 0.21 | 0.00 | 0.00 | 0.21 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 1,000 | 1,000 | 1.55 | 0.00 | 0.00 | 1.55 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 500 | 500 | 0.59 | 0.00 | 0.00 | 0.59 |
| SOYBEANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 5 | 5 | 0.02 | 0.00 | 0.00 | 0.02 |
| FLOWERS & FOILAGE | 25 | 25 | 0.17 | 0.00 | 0.00 | 0.17 |
| WOODY ORNAMENTALS | 75 | 75 | 0.39 | 0.00 | 0.00 | 0.39 |
| IMPROVED PASTURE | 10,500 | 500 | 0.45 | 0.00 | 0.00 | 0.45 |
| SOD | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TURF GRASS | 700 | 516 | 1.57 | 0.40 | 0.27 | 1.97 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.15 | 0.09 | 0.00 | 0.24 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 33,505 | 23,321 | 24.85 | 0.49 | 0.27 | 25.34 |

IRRIGATION ACRES BY SYSTEM TYPE
 SPRINKLER 611
 LOW PRESSURE 0
 FLOOD 22,710

COUNTY: ST. JOHNS - 1980

Total Population: 51,303

Total Land Area: 660 sq. miles

St. Johns River Water Management Portion

Population: 51,303

Population Public Supply: 30,535

Population Domestic Self-Supplied: 20,768

Gallons Per Capita Day: 115

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

Acres Farmed: 33,505

Acres Irrigated: 23,321

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|--------|---------|-------|-----------|
| Public | 3.50 | 0.0 | - | 3.50 |
| Domestic | 2.38 | 0.0 | - | 2.38 |
| Industrial | 0.02 | 0.0 | - | 0.02 |
| Agr. Irrigation | 24.85 | 0.49 | 0.27 | 25.34 (1) |
| Thermoelectric | 0.0 | 0.0 | - | 0.0 |
| Heat Pump/air cond. | 0.0 | 0.0 | - | 0.0 |
| Free-flowing wells | 0.87 | 0.0 | - | 0.87 |
| TOTALS | 31.62 | 0.49 | 0.27 | 32.11 (1) |

(1) Reuse is not included in Total water use

WATER USE BY CROP FOR VOLUSIA COUNTY - 1988

| | TOTAL ACRES | | WATER USE IN MGD | | | TOTAL |
|----------------------------------|---------------|--------------|------------------|-------------|-------------|--------------|
| | FARMED | IRRIGATED | GROUND | SURFACE | RECLAIMED | |
| VEGETABLE CROPS | | | | | | |
| CABBAGE | 880 | 880 | 0.81 | 0.00 | 0.00 | 0.81 |
| CARROTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CUCUMBERS | 880 | 880 | 0.81 | 0.00 | 0.00 | 0.81 |
| PEPPERS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| POTATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOMATOES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SWEET CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERCRESS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. VEGETABLES | 100 | 100 | 0.18 | 0.00 | 0.00 | 0.18 |
| FRUIT CROPS | | | | | | |
| BLUEBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| CITRUS | 10,143 | 500 | 0.76 | 0.00 | 0.00 | 0.76 |
| GRAPES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEACHES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PECANS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| STRAWBERRIES | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WATERMELONS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. FRUIT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| FIELD CROPS | | | | | | |
| FIELD CORN | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| PEANUTS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| RICE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SORGHUM | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SOYBEANS | 300 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUGAR CANE | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOBACCO | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| WHEAT | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISC. GRAINS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| ORNAMENTALS & GRASSES | | | | | | |
| FERNS | 4,500 | 3,715 | 15.80 | 1.10 | 0.00 | 16.90 |
| FLOWERS & FOILAGE | 5 | 5 | 0.04 | 0.00 | 0.00 | 0.04 |
| WOODY ORNAMENTALS | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| IMPROVED PASTURE | 12,600 | 300 | 0.27 | 0.00 | 0.00 | 0.27 |
| SOD | 200 | 100 | 0.37 | 0.00 | 0.00 | 0.37 |
| TURF GRASS | 1,907 | 1,226 | 3.78 | 0.70 | 0.00 | 4.48 |
| MISC. AGRICULTURAL | | | | | | |
| LIVESTOCK | 0 | 0 | 0.08 | 0.66 | 0.00 | 0.74 |
| FISH FARMING | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 31,515 | 7,706 | 22.90 | 2.46 | 0.00 | 25.36 |

IRRIGATION ACRES BY SYSTEM TYPE

| | |
|--------------|-------|
| SPRINKLER | 5,451 |
| LOW PRESSURE | 95 |
| FLOOD | 2,160 |

COUNTY: VOLUSIA - 1980

Total Population: 258,762

Total Land Area: 1,207 sq. miles

St. Johns River Water Management Portion

Population: 258,762

Population Public Supply: 225,003

Population Domestic Self-Supplied: 33,759

Gallons Per Capita Day: 134

Land Area: 1,207 sq. miles (772,480 acres)

Acres Farmed: 31,515

Acres Irrigated: 7,706

Fresh Water Use 1980 (MGD)

| | GROUND | SURFACE | REUSE | TOTAL |
|---------------------|----------|---------|-------|----------|
| Public | 30.22(1) | 0.0 | - | 30.22(1) |
| Domestic | 4.53 | 0.0 | - | 4.53 |
| Industrial | 0.54 | 0.0 | - | 0.54 |
| Agr. Irrigation | 22.90 | 2.46 | - | 25.36 |
| Thermoelectric | 0.55 | 3.47 | - | 4.02(2) |
| Heat Pump/air cond. | 6.16 | 0.0 | - | 6.16 |
| Free-flowing wells | 1.03 | 0.0 | - | 1.03 |
| TOTALS | 65.93(1) | 5.93 | 0.0 | 71.86(1) |

(1) Includes 0.01 MGD saline ground water used for R/O

(2) Does not include 15.33 MGD saline surface water from the Indian River for cooling

ADDITIONAL WATER USE REPORTS

Annual Water Use Survey: 1978, Technical Publication SJ80-5
(Elaine Scott).

Annual Water Use Survey: 1979, Technical Publication SJ81-3
(Richard Marella).

Annual Water Use Survey: 1980*, Technical Publication SJ82-5
(Richard Marella)

Annual Water Use Survey: 1981, Technical Publication SJ83-9
(Richard Marella)

Annual Water Use Survey: 1982, Technical Publication SJ84-2
(Richard Marella)

Annual Water Use Survey: 1982, Technical Publication SJ84-2
(Map Series) (Richard Marella)

Annual Water Use Survey: 1983, Technical Publication SJ84-5
(Richard Marella)

Individual Supplement: 1983

Annual Water Use Survey: 1984, Technical Publication SJ85-7
(Richard Marella)

Individual Supplement: 1984

Annual Water Use Survey: 1985, Technical Publication SJ86-5
(Richard Marella)

Individual Supplement: 1985

Ground Water Withdrawals from the Floridan Aquifer in Duval County
- 1980 (Richard Marella), Technical Publication SJ83-7.

Ground Water Withdrawals from the Floridan Aquifer in Nassau County
- 1982 (Richard Marella), Technical Publication SJ84-4.

Ground Water Withdrawals from the Floridan Aquifer in Clay and
Bradford Counties - 1983 (Richard Marella), Technical
Publication SJ84-14.

*This report has been revised