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ST. JOHNS RIVER WATER MANAGEMENT DISTRICT CURRENT POPULATION AND PROJECTIONS - 1980

Ву

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ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
PALATKA, FLORIDA

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INTRODUCTION

The St. Johns River Water Management District (SJRWMD) is one of five water management districts in the state of Florida, which have the responsibility for managing water resources on a regional basis. The SJRWMD was formed by the Water Resources Act of 1972; Chapter 373 of the Florida Statutes. The SJRWMD covers all or part of 19 counties (Figure 1) in east central and northeast Florida. The District's north boundary is the St. Mary's River which separates Florida and Georgia. The southern boundary is partly formed by the Indian River and St. Lucie county line. The western border varies from north to south going inland as far as Orlando, Leesburg, Ocala and Gainesville. The District encompasses all of the following ten counties: Brevard, Clay, Duval, Flagler, Indian River, Nassau, Putnam, Seminole, St. Johns, Volusia, and includes portions of the following nine counties, Alachua, Baker, Bradford, Lake, Marion, Okeechobee, Orange, Osceola and Polk.

The SJRWMD covers about 12,357 square miles or 21% of the total states land. The 1980 SJRWMD population was 2,276,853 or 23.4% of Florida's population. The District includes the states largest populated city, Jacksonville (540,898), and the 7th largest populated city, Orlando (128,394). Other cities which have a population greater than 20,000 in the District include, Gaines-ville, Daytona Beach, Melbourne, Ocala, Titusville, Sanford, Winter Park, Altamonte Springs and Ormond Beach.

The purpose of this report is to provide information concerning the District's population for the past, present and future. Population estimates will be shown for all counties and surface water basins. This report is divided into three sections; Section I; Historical Population, Section II; Current Population (1980), Section III; Population Projections. The main source of data for this report is the University of Florida, Bureau of Economic and Business Research, Population Program.

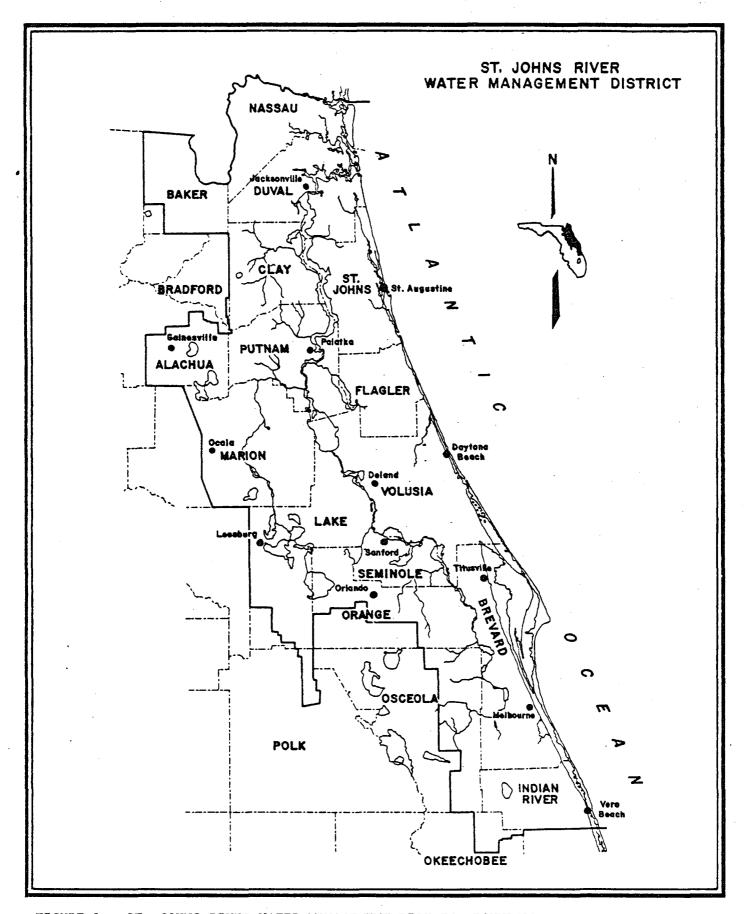


FIGURE 1. ST. JOHNS RIVER WATER MANAGEMENT DISTRICT BOUNDARY MAP

HISTORICAL POPULATION

The SJRWMD historical population is shown in Table 1. The Districts population from 1975 to 1980 has increased 275,424 people or 55,084 people per year. The majority of this growth occurred in five counties, Volusia (46,345), Seminole (43,305), Orange (38,625), Marion (23,476) and Brevard (20,973). These five counties accounted for 62.7% of the total growth between 1975 and 1980. Figure 2 shows the District's population by county for the years 1970, 1975, and 1980. Duval county is the largest populated county in the District for all three years (1970, 1975, 1980) followed by Orange, Brevard and Volusia counties. These four counties accounted for 69% of the District's population in 1975 and 65% in 1980.

The SJRWMD population compared to the state's population is shown in Figure 3. In 1975 the SJRWMD accounted for 23.6% of the state's total population and in 1980 23.4%. The St. Johns is the third largest water management district in population behind South Florida and Southwest Florida Water Management Districts for 1975 and 1980.

	% (2) Population In SJRWMD	(3) 1970	1975	1976	1977	1978	1979	1980
Alachua (4)	45% UN	79,904	96,714	94,483	95,119	96,377	103,073	109,360
Baker (4)	95%	8,779	11,643	11,540	12,055	12,392	12,744	14,525
Bradford (4)	10% UN	842	956	• 972	1,025	1,064	1,063	1,313
Brevard	100%	230,006	251,986	253,195	254,404	264,327	275,779	272,959
Clay	100%	32,059	47 , 706	49,253	50,279	54,339	56,772	67,052
Duva1	100%	528,865	562,283	563,317	564,351	565,385	566,420	570,981
Flagler	100%	4,454	6,634	7,358	7,860	8,405	9,046	10,913
Indian River	100%	35,992	46,254	47,980	49,706	52,333	56,761	59,896
Lake (4)	99%	68,612	85,850	86,388	91,225	93,372	94,401	103,821
Marion (4)	75% UN	56,936	77,356	81,505	84,516	84,788	88,224	100,832
Nassau	100%	20,626	29,149	30,563	31,100	31,686	31,798	32,894
Okeechobee (4)	2%-UN	75	128	200	200	250	2:50	320
Orange	82%	282,335	348,136	349,809	351,483	353,157	361,896	386,761
Osceola	1%-UN	131	185	200	200	200	200	260
Polk	1% -UN 25%-HC	3,394	3,871	3,900	3,900	4,028	4,147	4,600
Putnam	100%	36,424	42,494	43,660	44,663	45,045	45,693	50,549
Seminole	100%	83,692	136,447	138,775	142,245	149,802	156,794	179,752
St. Johns	100%	31,035	40,220	40,297	42,751	44,550	45,961	51,303
Volusia	100%	169,487	212,417	212,895	219,175	229,291	240,422	258,762
District Totals		1,673,648	2,001,429	2,016,049	2,046,257	2,092,791	2,151,444	2,276,853
State Totals		6,791,418	8,485,230	8,551,814	8,717,334	8,966,395	9,245,231	9,739,992

- (1) Population is based on the United States Census Bureau information for the years 1970, 1975, and 1980. The years 1976, 1977, 1978, 1979, and 1981 are based on "Florida Estimates of Population" published by the University of Florida.
- (2) All of the partial county populations within the SJRWMD are taken from the total counties population unless marked UN: if marked UN (unincorporated), the population of the county is taken from the unincorporated portion of the counties populations. In Polk County, the population is 1% of the unincorporated Polk County population plus 25% of the population of Haines City (HC).
- (3) A 1970 District population was estimated even though the District did not exist until 1974.
- (4) These counties are partially within the SJRWMD. The data given is for that portion of the county within the SJRWMD.

THOUSANDS

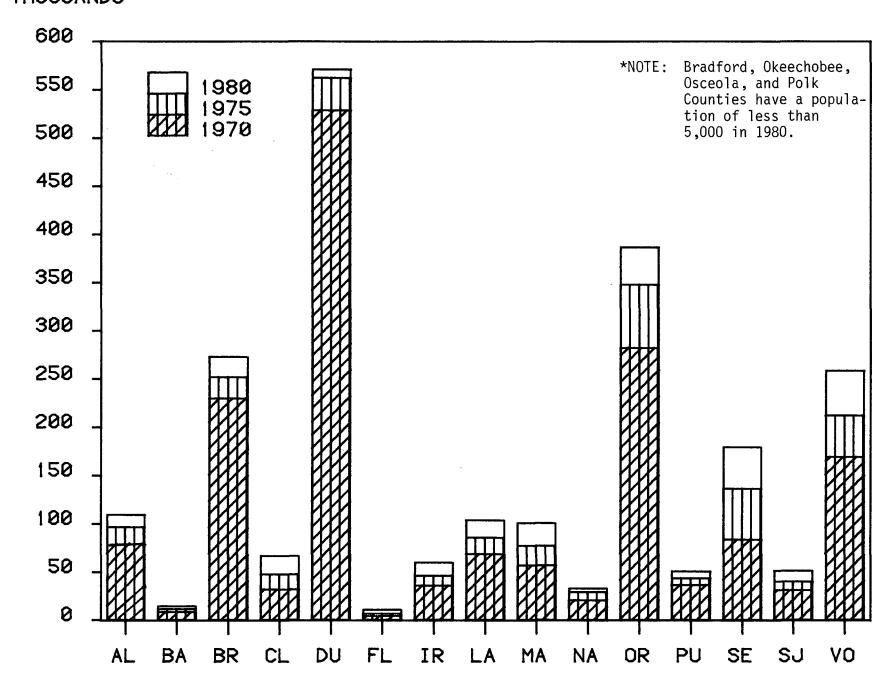


FIGURE 2. SJRWMD Population 1970 - 1975 - 1980.

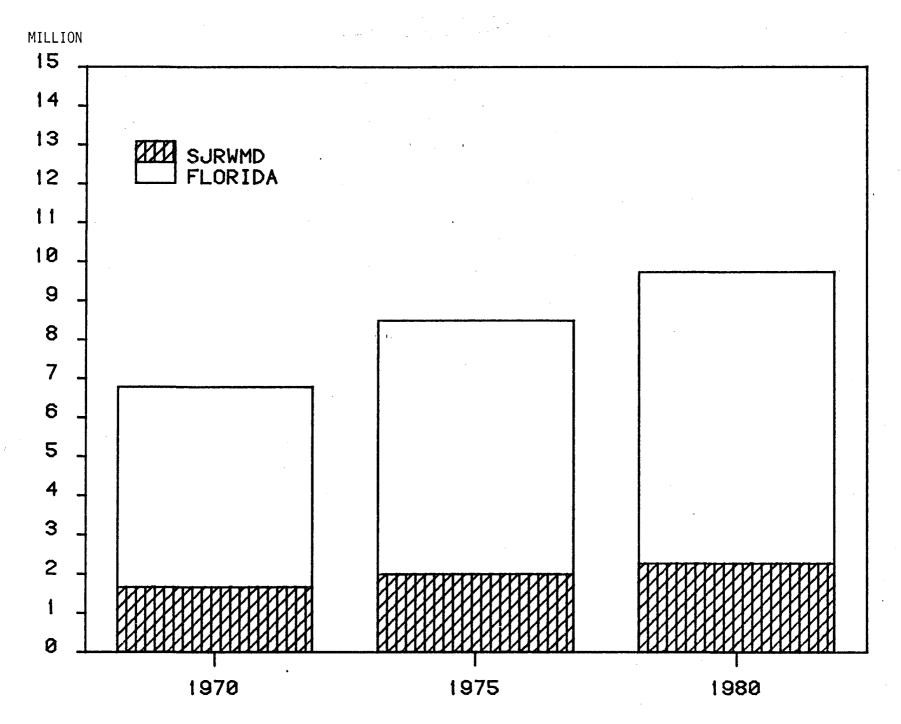


FIGURE 3. Population of Florida and SJRWMD 1970 - 75 - 80.

CURRENT POPULATION

The 1980 population of the SJRWMD is 2,276,853. Table 2 shows the population of each county within the District and the largest city in the county. Duval (570,981) and Orange (386,761) are the two most populated counties in the District. A county population distribution map (Figure 4) shows four counties with a population over 200,000 (Brevard, Duval, Orange, Volusia), four between 100,000 and 200,000 (Alachua, Lake, Marion, Seminole), four between 50,000 and 99,999 (Clay, Indian River, Putnam, St. Johns), three between 5,000 and 49,999 (Baker, Flagler, Nassau) and four below 5,000 (Bradford, Okeechobee, Osceola, Polk). Figure 5 ranks the District's 19 counties in comparison to the remaining counties in the state. The SJRWMD has all or portions of the 6th, (Duval), 7th (Orange), 8th (Polk), 9th (Brevard), and 10th (Volusia), most populated counties in the state. Figure 6 shows the District's population by county and Figure 7 shows the District's population by cities. Figure 8 shows the population of the District by the following four regions, Jacksonville, Orlando, North Coastal and South Coastal (Figure 9). In 1980 24.9% (566,513) of the SJRWMD population lived in the Orlando area, 24.5% (557,513) lived in the Jacksonville area, 23.1% (526.529) lived in the South Coastal area, 3.6% (81,102) lived in the North Coastal area and the remaining 23.9% (545,442) lived in the various other areas throughout the District.

The Districts 1980 population by surface water basins shows the Lower St. Johns River Basin (667,941) the largest (Table 3) and the Middle St. Johns River Basin (513,464) the second largest. These two basins accounted for 51.9% of the Districts total population (Figure 10). A basin population distribution map (Figure 11) shows two basins less than 100,000 (Nassau River, St. Mary's River), two with 100,000-199,999 (Lower Coastal, Middle Coastal) two with 200,000-299,999 (Upper Coastal, Upper St. Johns River), one with 300,000-399,999 (Oklawaha River) and two greater than 400,000 (Lower St. Johns River, Middle St. Johns River).

Table 2 1980 Population by County

COUNTY	TOTAL COUNTY	SJRWMD	Percent Population in SJRWMD (1)	LARGEST CITY
Alachua (2)	151,348	109,360	45% - UN	Gainesville
Baker (2)	15,289	14,525	95%	Macclenny
Bradford (2)	20,023	1,313	10% - UN	Starke (3)
Brevard	272,959	272,959	100%	Melbourne
Clay	67,052	67,052	100%	Orange Park
Duval	570,981	570,981	100%	Jacksonville
Flagler	10,913	10,913	100%	Flagler Beach
Indian River	59,896	59,896	100%	Vero Beach
Lake (2)	104,870	103,821	99%	Leesburg
Marion (2)	122,488	100,832	75% - UN	Ocala
Nassau	32,894	32,894	100%	Fernandina Bch.
Okeechobee (2)	20,264	320	2% - UN	Okeechobee (3)
Orange (2)	471,660	386,761	82%	Orlando (4)
Osceola (2)	49,287	260	1% - UN	Kissimmee (3)
Polk (2)	321,652	4,600	(5)	Lakeland (3)
Putnam	50,549	50,549	100%	Palatka
Seminole	179,752	179,752	100%	Sanford
St. Johns	51,303	51,303	100%	St. Augustine
Volusia	258,762	258,762	100%	Daytona Beach
TOTAL		2,276,853		

- (1) All of the partial county populations within the SJRWMD are taken from the total counties population unless marked UN: if marked UN (Unin-corporated area), the population of the county is taken from the unin-corporated portion of the counties population plus any incorporated area's within the District.
- (2) These counties are partially within the SJRWMD.
- (3) These cities are not within the SJRWMD.
- (4) Orlando is partially within the SJRWMD and partially within the South Florida Water Management District.
- (5) In Polk county, the population is 1% of the unincorporated Polk county population plus 25% of the population of Haines City.

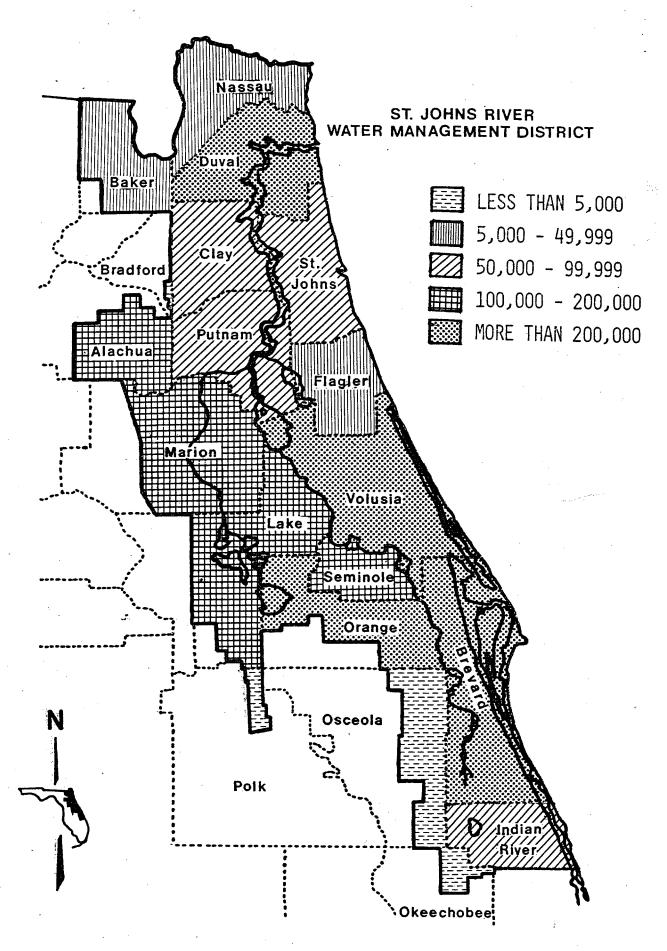


FIGURE 4. Counties Grouped by Population - 1980

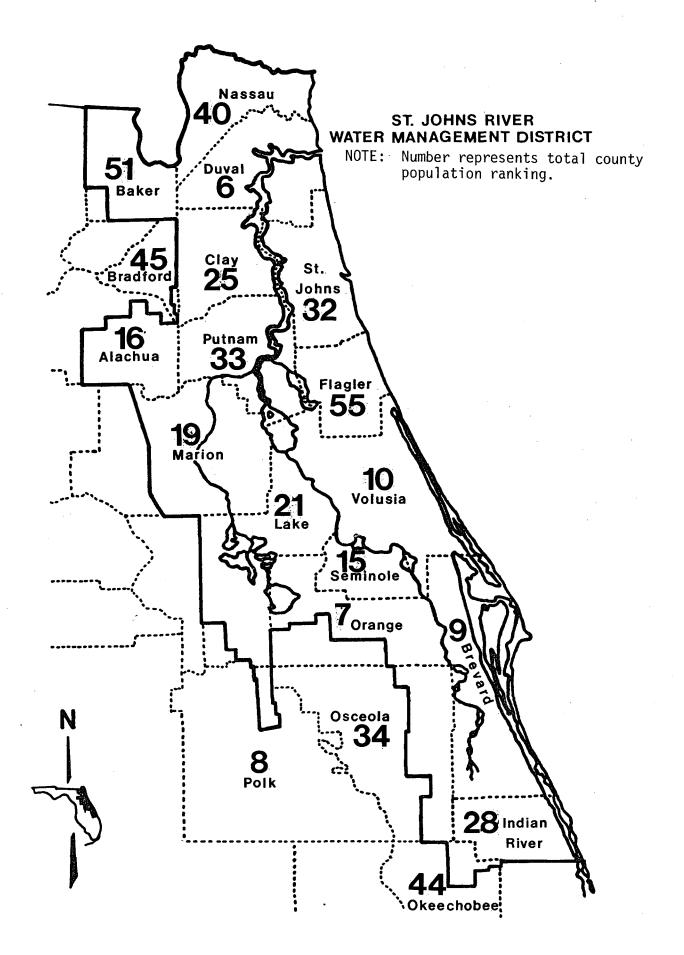
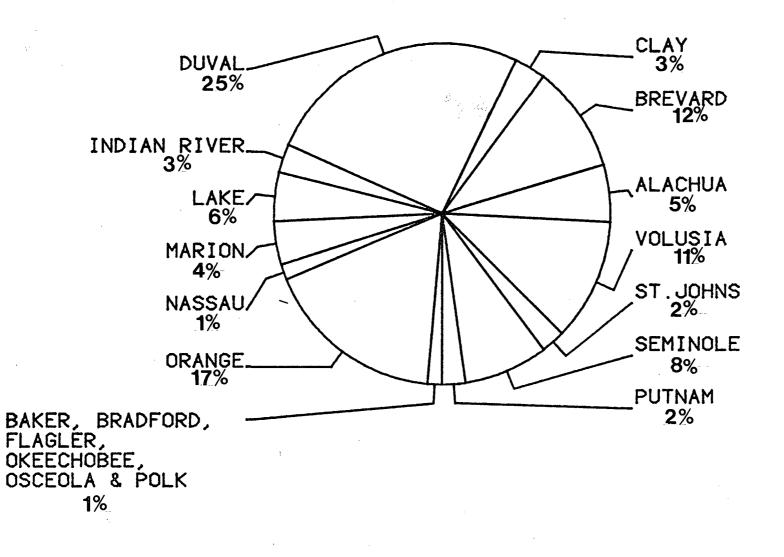
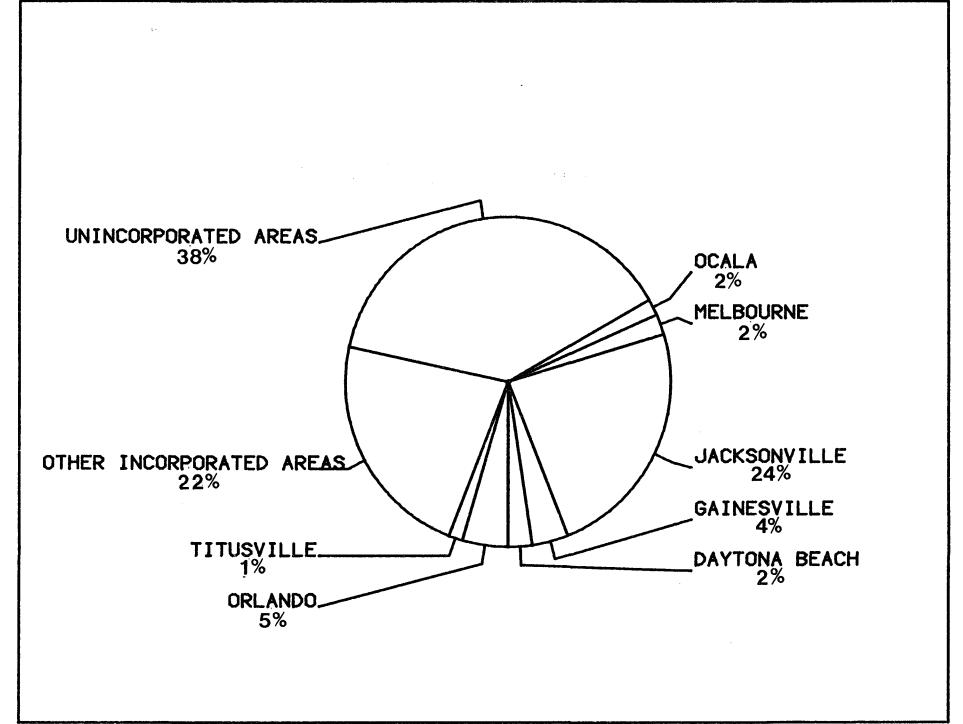
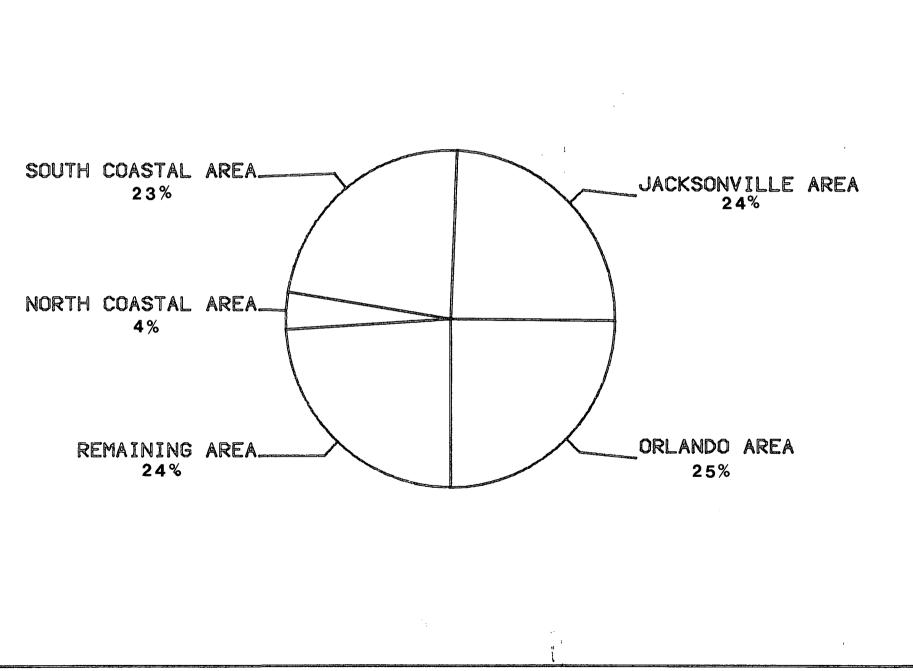


FIGURE 5. Rank of Counties by Population Size Within the State - 1980







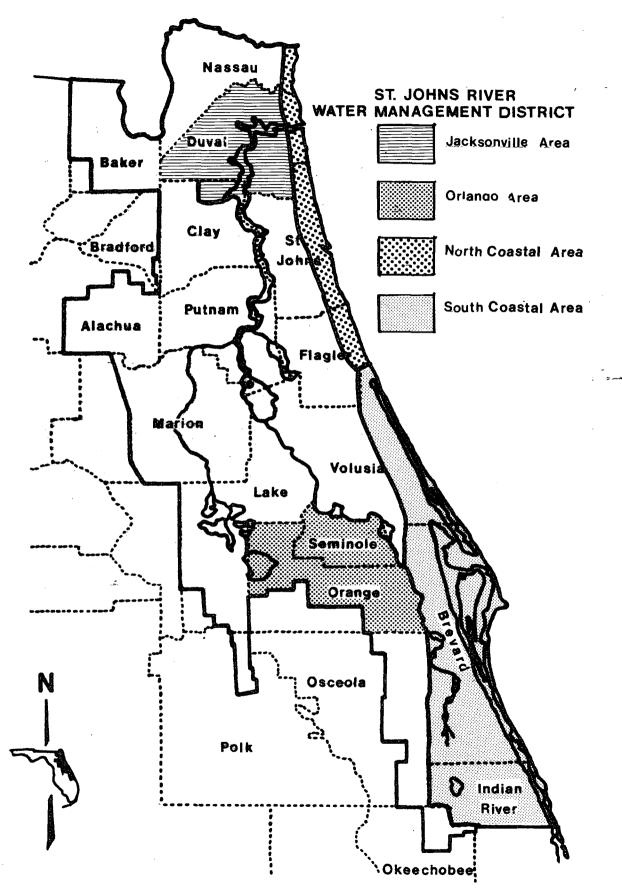


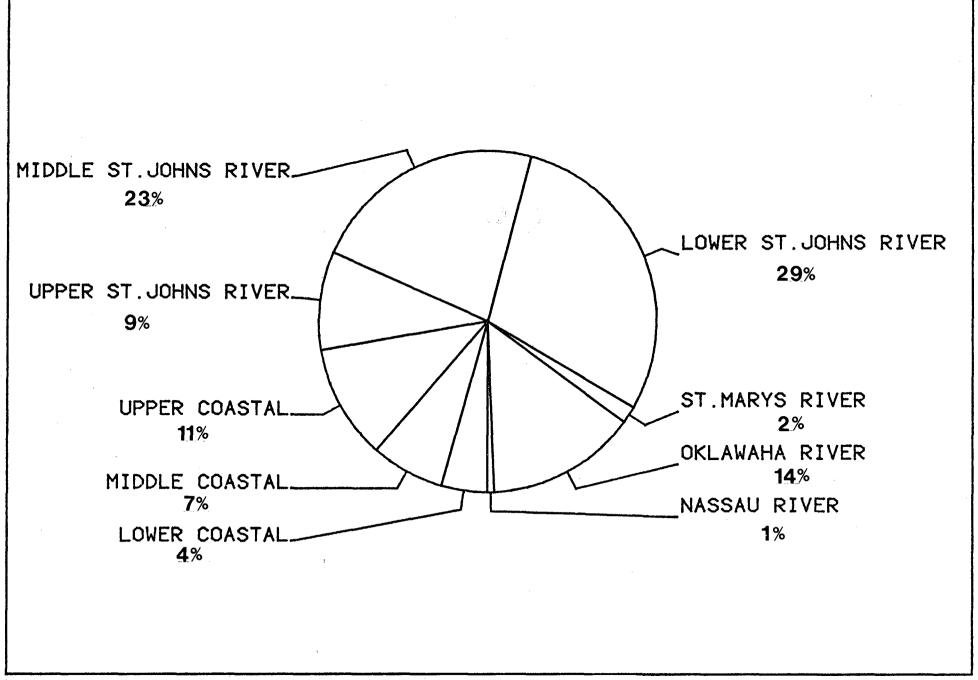
FIGURE 9. Major Population Areas of the SJRWMD.

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; ·	NASSAU RIVER 1	ST. MARYS RIVER 2	LOWER ST. JOHNS RIVER 3	MIDDLE ST. JOHNS RIVER 4	UPPER ST. JOHNS RIVER 5	OKLAWAHA RIVER 6	UPPER COASTAL 7	MIDDLE COASTAL 8	LOWER COASTAL 9
ALACHUA						109,360			
BAKER		14,528							
BRADFORD			1,313						
BREVARD					92,500			132,188	42,271
CLAY			67,052						
DUVAL	1,500	3,509	543,492				22,480		
FLAGLER			2,100		i de la companya de l		8,813		
INDIAN RIVER					2,000				57,896
LAKE				14,804		89,017		-	
MARION				4,679		96,153			
NASSAU	13,861	19,033							
OKEECHOBEE				·	320				
ORANGE				261,844	111,591	13,326			
OSCEOLA					260				
POLK						4,600			
PUTNAM			31,649	8,300		10,600			
SEMINOLE				173,508	6,244				
ST. JOHNS			9,576				41,727		
VOLUSIA			12,759	50,329		,	174,486	21,188	
BASIN TOTALS	15,361	37,067	667,941	513,464	212,915	323,056	247,506	159,376	100,167

TABLE 3. 1980 Population by Surface Water Basin





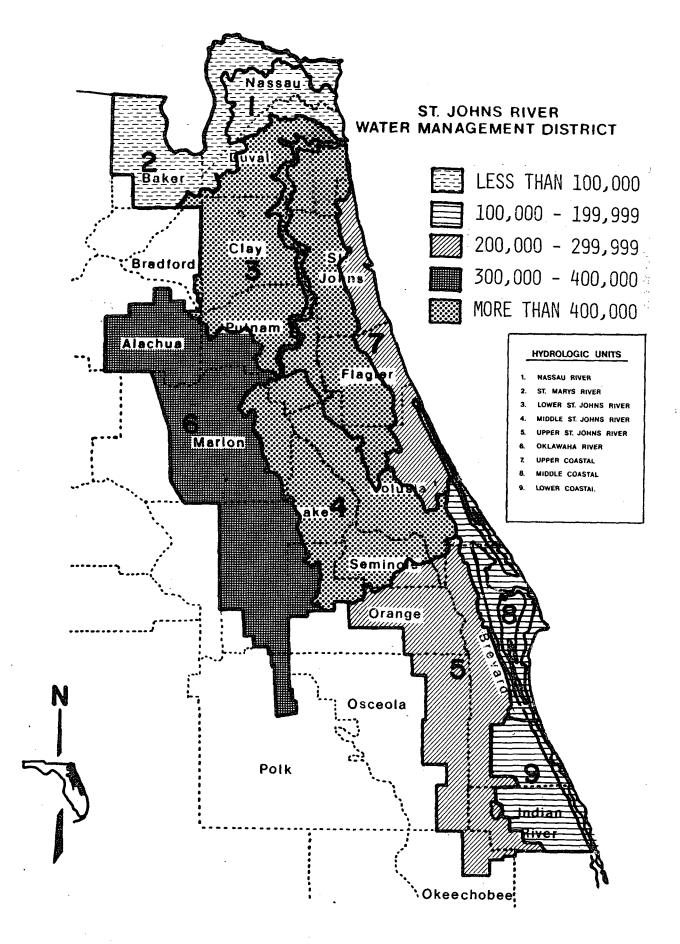


FIGURE 11. Surface Water Basins Grouped by Population - 1980

POPULATION PROJECTIONS

Estimated population projections for each county in the SJRWMD are shown in Table 4. Projections were made for the years 1985-1990-1995-2000-2010. These projections show the Districts population to increase 1,061,738 people in 20 years or an increase of 47% (1980 to 2000). The 30 year increase will add 1,467,843 to the Districts 1980 population or a 64% increase. The greatest increases will occur in the following counties (Figure 12), Brevard, Duval, Orange, Seminole, and Volusia. These five counties will account for 69.5% of the Districts total population by the year 2000. Seminole will have the largest increase (165,448) in population of these five counties followed by Orange (161,573) and Volusia (159,438). These three counties will account for nearly half (46%) of the Districts population growth over the next 20 years (1980 to 2000). In the year 2010 Duval will still be the largest county in the District (Figure 13), followed by Orange, Volusia, Brevard, Seminole, and Marion. Estimated population distribution (Figure 14) for the year 2000 shows that 27% (893,534) of the Districts population will live in the Orlando area, 23% (767,992) will live in the South Coastal area, 19% (622,335) will live in the Jacksonville area 4% (133,215) will live in the North Coastal area and the remaining 27% (921,515) will live in other areas throughout the District. County population estimates for 1990 and 2000 are shown in Figure 15 and Figure 16 respectively.

Population projections for surface water basins are shown in Table 5. The Lower St. Johns River basin will remain the largest populated basin (979,543) and the Middle St. Johns River Basin (753,186) the second largest basin for the year 2000 (Figure 17). These two basins will account for 52% of the population in 2000. Figure 18 shows the estimated population distribution for the surface water basins in the year 2000.

All population projections for each county were taken from the Bureau of Economic and Business Research, University of Florida. Data was taken from Bulletin No. #56 and #60. Data was also taken from Florida Population: A summary of 1980 Census Results, April 1980. The percent population for each county within the District was then taken to determine the population for each county in the St. Johns River Water Management District.

	1981	1985	1990	1995	2000	2010
Alachua	110,686	125,065	140,888	154,687	160,270	188,717
Baker	15,011	16,720	18,810	20,900	22,990	25,745
Bradford	1,320	1,450	1,594	1,745	1,883	2,112
Brevard	281,496	303,500	331,100	354,000	377,300	423,200
Clay	69,745	83,000	99,000	114,400	129,500	145,200
Duva1	575,884	587,500	602,400	616,300	630,200	706,900
Flagler	12,141	15,200	19,300	23,000	26,700	29,900
Indian River	63,100	73,400	86.800	97,600	108,700	121,900
Lake	106,982	119,394	134,442	148,797	162,855	182,655
Marion	106,030	123,547	145,195	166,102	186,844	209.644
Nassau	33,718	35,800	38,300	40,700	43,300	48,600
0keechobee	337	367	406	446	485	544
Orange	395,019	429,106	470,598	510,532	548,334	615,082
Osceola	304	351	433	501	568	637
Po1k	4,736	5,131	5,625	6.106	6,562	7,360
Putnam	51,238	54,900	59,100	63,200	67,300	75 , 500
Seminole	186,840	222,900	266,500	305,200	345,200	387,200
St. Johns	53,701	62,300	73,100	83,400	93,400	104,700
Volusia	268,175	301,200	341,800	380,400	418,200	469,100
SJRWMD Totals	2,336,463	2,560,831	2,835,391	3,088,016	3,338,591	3,744,696

TABLE 4. Projected Population by County in the SJRWMD.

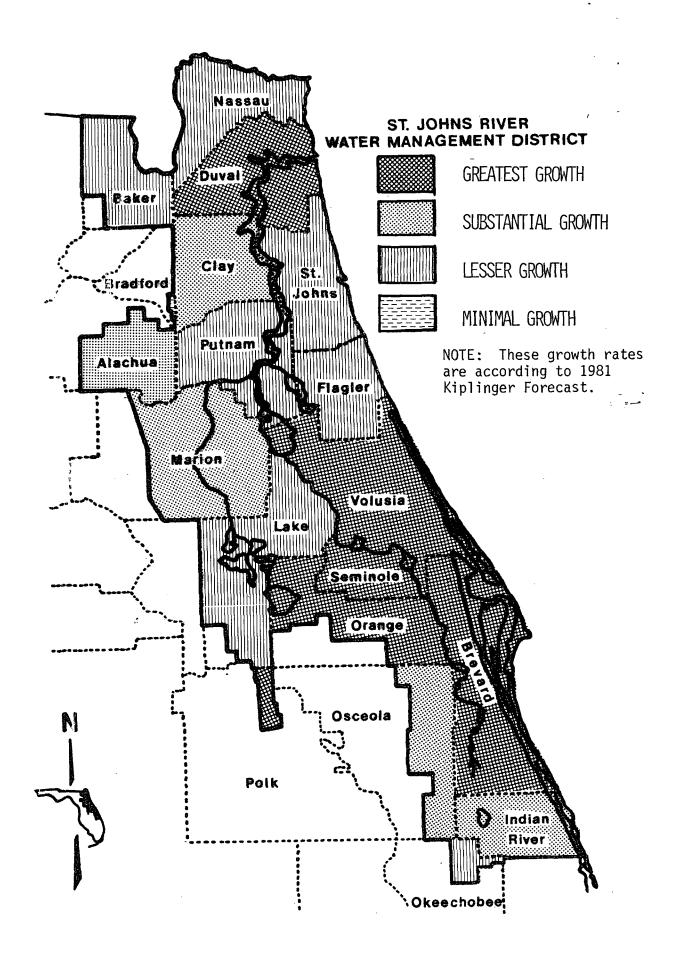


FIGURE 12. Counties Grouped by Growth Rates

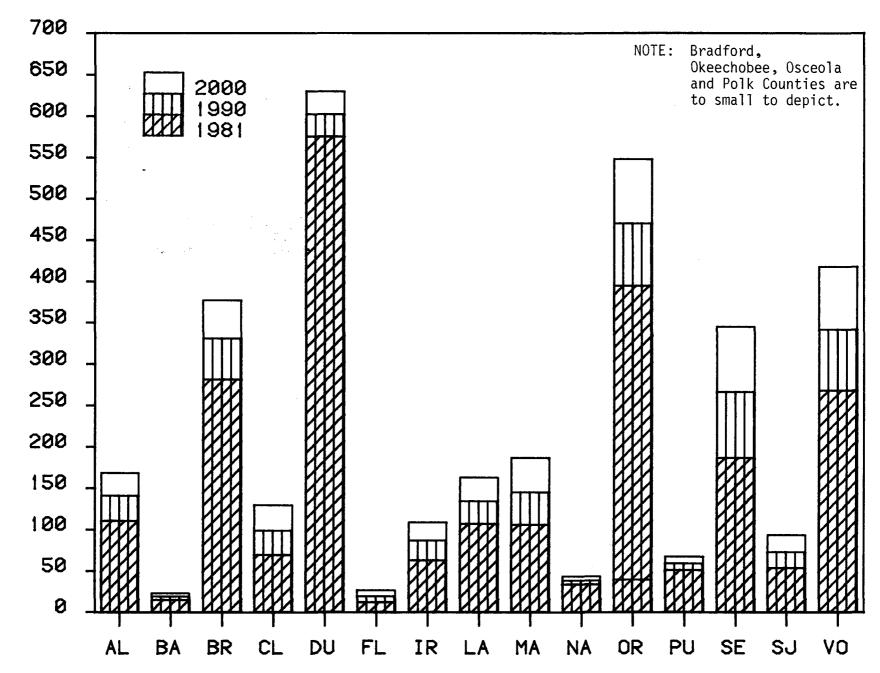
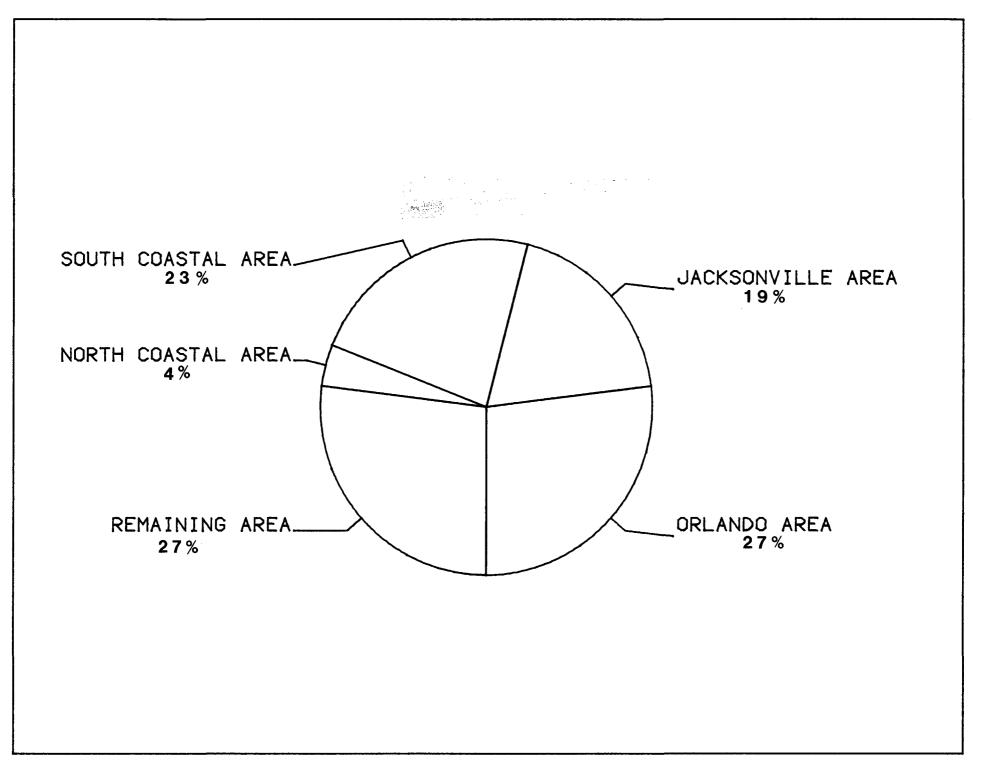
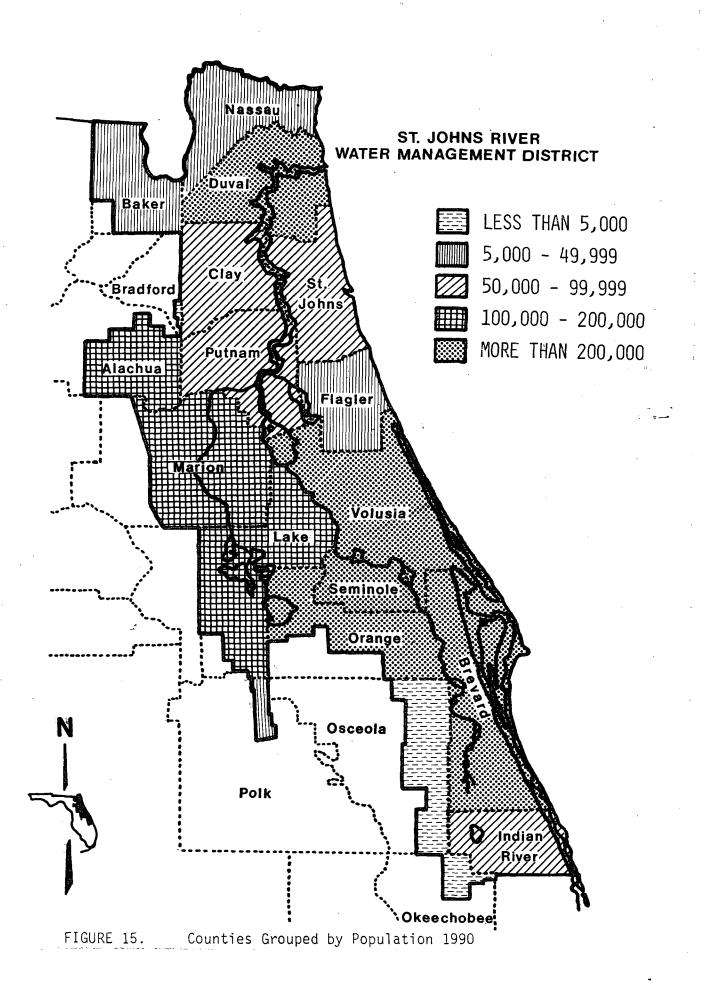


FIGURE 13. Projected County Populations in the SJRWMD. 1981 - 1990 - 2000.





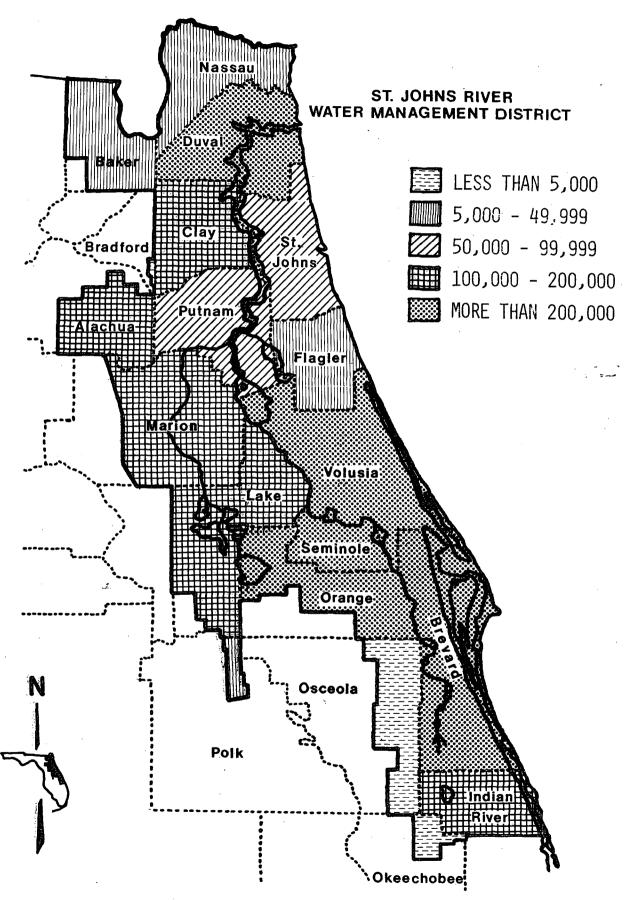


FIGURE 16. Counties Grouped by Population - 2000

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	1981	1985	1990	1995	2000	2010
Nassau River	15,888	17,414	19,281	20,999	22,702	25,464
St. Mary's River	38,084	41,742	46,217	50,335	54,420	61,039
Lower St. Johns River	685,518	751,348	831,904	906,024	979,543	1,098,694
Middle St. Johns River	527,106	577,723	639,664	696,656	753,186	844,803
Upper St. Johns River	218,693	239,694	265,393	289,038	312,492	350,504
Oklawaha River	331,310	363,126	402,058	437,881	473,412	530,999
Upper Coastal	253,973	278,362	308,207	335,667	362,905	407,048
Middle Coastal	163,320	179,002	198,194	215,852	233,367	261,754
Lower Coastal	102,571	112,420	124,473	135,564	146,564	164,391
SJRWMD Totals	2,336,463	2,560,831	2,835,391	3,088,016	3,338,591	3,744,696

TABLE 5. Projected Population by Surface Water Basins.

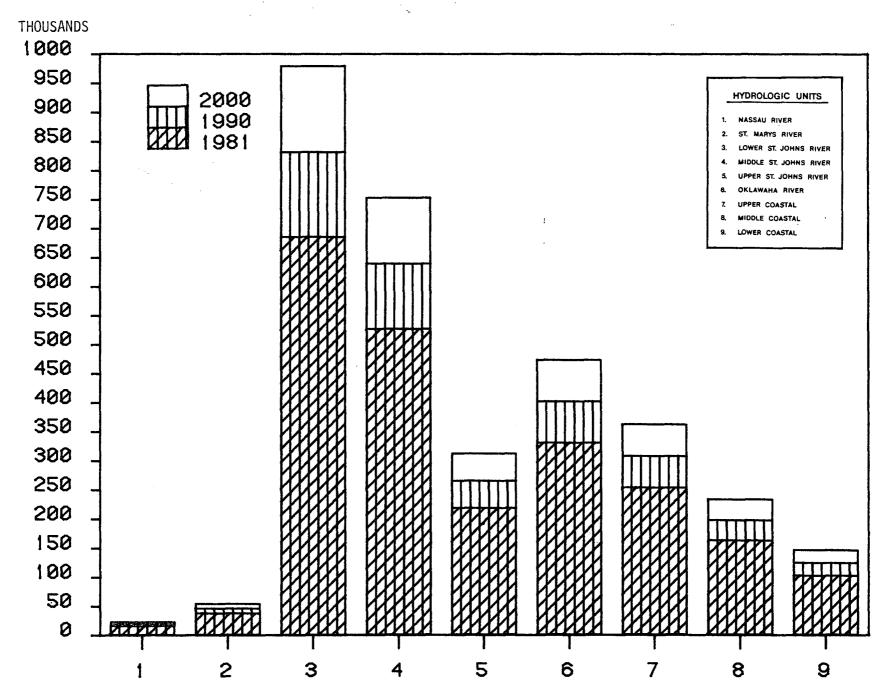


FIGURE 17. Estimated Population by Surface Water Basin, 1981 - 1990 - 2000.

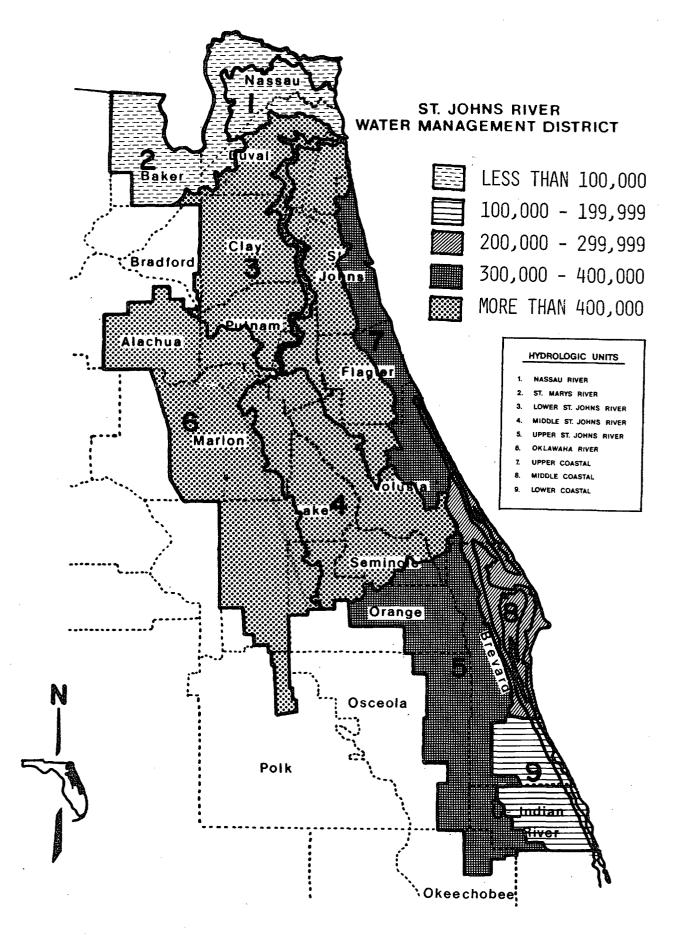


FIGURE 18. Surface Water Basins Grouped by Population Ranges - 2000

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