

Estimated Discharge of Treated Wastewater in Florida, 1990

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11. Brevard County	20	45. Liberty County	36
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13. Calhoun County	21	47. Manatee County	36
14. Charlotte County	21	48. Marion County	37
15. Citrus County	22	49. Martin County	38
16. Clay County	22	50. Monroe County	39
17. Collier County	23	51. Nassau County	39
18. Columbia County	24	52. Okaloosa County	40
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33. Hernando County	29	67. Suwannee County	51
34. Highlands County	29	68. Taylor County	51
35. Hillsborough County	30	69. Union County	51
36. Holmes	31	70. Volusia County	52
37. Indian River County	31	71. Wakulla County	52
38. Jackson County	32	72. Walton County	53
39. Jefferson County	32	73. Washington County	53
40. Lafayette County	32		

CONVERSION FACTORS, ADDITIONAL ABBREVIATION, AND ACRONYMS

Multiply	By	To obtain
gallons per day (gal/d)	3.785	liters per day
million gallons per day (Mgal/d)	0.003785	million cubic meters per day
square mile (mi ²)	2.589	square kilometer

Additional abbreviation

mg/L = milligrams per liter

Acronyms

FDEP	Florida Department of Environmental Protection
FDER	Florida Department of Environmental Regulation
FDNR	Florida Department of Natural Resources
FHRS	Florida Department of Health and Rehabilitative Services
GMS	Groundwater Management System
NWFWMD	Northwest Florida Water Management District
SJRWMD	St. Johns River Water Management District
SFWMD	South Florida Water Management District
SRWMD	Suwannee River Water Management District
SWFWMD	Southwest Florida Water Management District

GLOSSARY

Aquifer.--A geological formation, group of formations, or part of a formation that contains sufficient saturated material to yield significant quantities of water to wells and springs.

Commercial water use.--Water for motels, hotels, restaurants, office buildings, commercial facilities and civilian and military institutions. The water may be obtained from a public supply or may be self-supplied.

Cesspool.--An underground catch basin for liquid waste, such as household sewage. See septic tank.

Consumptive use.--That part of water withdrawn that is evaporated, transpired, incorporated into products or crops, consumed by humans or livestock, or otherwise removed from the immediate water environment. Sometimes called water consumed or water depleted.

Dewatering.--The deliberate attempt to lower the ground water level in or below land surface for selected purposes such as agricultural, construction, mining or other activities. For mining operation, dewatering is usually accomplished by pumping the water out of the ground and discharging the water to a surface-water body. In Florida, this discharge usually requires a permit from the Florida Department of Environmental Protection (FDEP), even though the water most often is not treated.

Disposal system or method.--Refers to injection wells, outfalls, drain fields, percolation ponds, spray fields, and other facilities utilized for the release of reclaimed or treated effluents to the environment.

Domestic wastewater facility.--Refers to those facilities that receive or dispose of wastewater derived principally from residential dwellings, business or commercial buildings, institutions, and the like; sanitary wastewater; sewage (Florida Department of Environmental Regulation, 1991a). Can also include some wastewater derived from industrial facilities. Can also be referred to as a municipal wastewater facility.

Domestic water use.--Water for normal household purposes, such as drinking, food preparation, bathing, washing clothes and dishes, flushing toilets, and watering lawns and gardens. Also called residential water use. Water used for domestic purposes may be obtained from a public-supply system or it can be self-supplied from individual wells.

Drain field.--A network of buried piping or tubing where the fluid is discharged to the ground through seepage. Most common use is with septic tanks, but can also be used for domestic or industrial wastewater disposal after other treatment methods.

Effluent.--Refers to the water that flows out of a wastewater treatment facility or other works (stormwater retention or dewatering operation) used for the purpose of treating, stabilizing, or holding waste.

Freshwater.--Water that contains less than 1,000 milligrams per liter (mg/L) of dissolved solids; generally, more than 500 mg/L is considered undesirable for drinking and many industrial uses.

Ground water.--That part of the subsurface water that is in the saturated zone (a zone in which all voids are filled with water).

Ground-water disposal.--Refers to wastewater that is disposed of through the ground either by injection or seepage. This includes the following discharge methods; absorption beds, injection wells, drain fields, percolation ponds, rapid infiltration basins, and spray fields (land application systems). Land application systems (reuse systems) are considered a ground-water disposal method, as the treated wastewater used to irrigate turf or crops is generally intended to filter down through the soil.

Industrial wastewater facility.--Refers to those facilities that produce, treat or dispose of wastewater not otherwise defined as domestic wastewater; including the runoff and leachate from areas that receive pollutants associated with industrial or commercial storage, handling, or processing (Florida Department of Environmental Regulation, 1991a).

Industrial water use.--Water used for industrial purposes such as fabricating, processing, washing, and cooling, and includes such industries as steel, chemical and allied products, paper and allied products, mining, and petroleum refining. The water may be obtained from a public supply or be self-supplied.

Injection well.--Refers to a well constructed for the purpose of injecting treated wastewater directly into the ground. Wastewater is generally forced (pumped) into the well for dispersal or storage into a designated aquifer. Injection wells are generally drilled into nonpotable aquifers, unused aquifers, or below freshwater levels.

Land application.--The reuse of reclaimed water or the utilization or disposal of effluents on, above, or into the surface of the ground through spray fields or other methods.

Land spreading.--The disposal of solid effluents derived from wastewater treatment facilities on the surface of the ground for dilution or dispersal.

Million gallons per day (Mgal/d).--A rate of flow of water.

Outfall.--Refers to the outlet or structure through which reclaimed water or treated effluent is finally discharged to a receiving water body.

Percolation pond.--Refers to a pond (usually manmade) designed to allow treated wastewater effluent to percolate slowly into the ground. The pond acts as a holding facility while gravity allows the water to percolate or seep through the soil or other unconsolidated material into the surficial aquifers.

Potable water.-- Refers to water that meets the quality standards set by the Florida Department of Environmental Protection (Florida Department of Environmental Regulation, 1990a). Potable water is considered safe for human consumption and is often referred to as drinking water. In Florida, chloride and dissolved-solids concentrations in potable water must be less than or equal to 250 mg/L and 500 mg/L, respectively. Freshwater that exceeds these chloride and dissolved solids limits is often referred to as slightly saline, brackish, or nonpotable water and is either diluted with fresher water or treated through a desalination process to meet potable-water standards for public supply.

Public supply.--Water withdrawn by public and private water suppliers and delivered to users who do not supply their own water. Water suppliers provide water for a variety of uses, such as domestic, commercial, industrial, public-water use and other uses. See also commercial water use, domestic water use, industrial water use, public water use, and other water use.

Public-water use.--Water supplied from a public-water supply and used for such purposes as firefighting, street washing, and municipal parks and swimming pools. Public-water use also includes system water losses (water lost to leakage) and brine water discharged from desalination facilities. Also referred to as utility water use.

Reclaimed water.--Refers to water that has received at least secondary treatment and is reused after flowing out of a wastewater treatment facility.

Resident population.--The number of persons who live in a State who consider it their permanent place of residence. College students, military personnel, and inmates of penal institutions are counted as permanent residents. According to this definition, tourist and seasonal or part-time residents are considered nonresident population.

Residential water use.--See domestic water use.

Reuse system.--Means the deliberate application of reclaimed water for a beneficial purpose. Reuse may encompass landscape irrigation (such as golf courses, cemeteries, highway medians, parks, playgrounds, school yards, nurseries, and residential properties), agricultural irrigation (such as food and fruit crops, wholesale nurseries, sod farms and pasture grass), aesthetic uses, ground-water recharge, environmental enhancement of surface water and wetland restoration, fire protection, and other useful purposes.

Self-supplied water.--Water withdrawn from a ground- or surface-water source by a user and not obtained from a public supply.

Septic tank.--Refers to a buried watertight receptacle constructed to promote the separation of solids, grease, and liquid components of wastewater in the absence of oxygen. The liquid fraction from the septic tank is discharged to a drain field for further treatment or disposal. In Florida, septic tanks are regulated by the Florida Department of Health and Rehabilitative Services (FHRS).

Spray field.--Refers to the land that is the recipient of reclaimed water or treated effluent on the surface of the ground through a variety of sprinkler heads or nozzles (including overhead systems, center pivot systems, periodic moving systems and portable or traveling gun systems). See land application.

Surface-water disposal.--Refers to the release of reclaimed water or treated effluent directly into a surface-water body (including marshes or wetlands). This does not include water discharged into ponds for holding or percolation purposes.

Treated (wastewater) effluent.--Refers to water that has received primary, secondary, or advanced treatment and is released from a wastewater facility after treatment.

Wastewater.--A combination of liquid or solid water-carried pollutants from residence, commercial buildings, industrial plants, and institutions needing treatment before being discharged. Wastewater may also include any ground or surface water that may have infiltrated or entered into the wastewater collection system.

Withdrawal.--Water removed from the ground or diverted from a surface-water source for beneficial use. May also be referred to as pumpage.

Estimated Discharge of Treated Wastewater in Florida, 1990

By Richard L. Marella

ABSTRACT

Estimated discharge of treated domestic and industrial wastewater in Florida during 1990 totaled 1,638 million gallons per day. Approximately 65 percent of the water was discharged to surface water during 1990, and the remaining 35 percent was discharged to ground water. Discharge of treated effluent to surface water includes outfalls into the Atlantic Ocean (32 percent), with the remaining (68 percent) discharged into the Gulf of Mexico, bays, rivers, wetlands, and other surface water bodies throughout Florida. Discharge to ground water includes land-application systems (reuse systems and spray fields) and percolation ponds (51 percent) or to injection wells (49 percent). An estimated 322 million gallons per day of treated domestic and industrial wastewater was reused during 1990.

The number of domestic wastewater systems in Florida totaled 3,694 in 1990, of which the largest 994 systems were inventoried. Treated discharge from these systems totaled 1,353 million gallons per day and served an estimated 8.58 million people (66 percent of the population of Florida in 1990). The remaining 34 percent of the Florida population (4.36 million) are served by 2,700 smaller domestic wastewater systems or by individual septic tanks (discharge from these systems are not included in these totals). In 1990, the estimated discharge from the nearly 1.56 million septic tanks in Florida was 210 million gallons per day. Nearly 58 percent of the domestic wastewater was discharged to surface water, while the remaining 42 percent was discharged to ground water. Discharge of domestic wastewater increased more than 20 percent between 1985 and 1990.

The number of industrial wastewater systems in Florida totaled 1,402 in 1990, of which the largest 68 systems were inventoried. Discharge of treated industrial wastewater during 1990 totaled 285 million gallons per day. Nearly 95 percent of the industrial wastewater was discharged to surface water, while the remaining was discharged to ground water. Discharge of industrial wastewater increased about 5 percent between 1985 and 1990.

INTRODUCTION

Florida is underlain by aquifers capable of yielding large quantities of freshwater (Vecchioli and Foose, 1985, p. 173) and surface-water resources include nearly 1,700 streams and rivers and 7,800 freshwater lakes (Bridges and Foose, 1986, p. 187). The reliance on these water resources are increasing because of the growth of population, tourism, and agriculture goods in the state. The resident population of Florida in 1990 was 12.94 million people (University of Florida, 1991, p. 27). This is an increase of 160 percent between 1960 and 1990, and 15 percent between 1985 and 1990. The resident population of Florida in 1960 was 4.95 million people (Dietrich, 1978, p. 26) and 11.32 million people in 1985 (Shermyen and others, 1992, p. 8). The population is projected to exceed 16 million by the year 2000, and 20 million by the year 2020 (Smith and Bayya, 1991). Additionally, Florida had nearly 41.0 million visitors in 1990 (Florida Division of Tourism, 1990), an increase of 27 percent from the 32.2 million visitors in 1985 (Florida Department of Commerce, 1986, p. 1). As a result of the increase in population and accompanied economic growth, withdrawals of freshwater have increased from 3,760 million gallons per day (Mgal/d) in 1960 (Leach, 1983, p. 14), to 7,531 Mgal/d in 1990 (Marella, 1992b, p. 12).

Although water resources in Florida are generally abundant, freshwater for potable purposes has become limited in several areas. The increase in water demand in Florida has led to water shortages, local encroachment of saltwater into freshwater aquifers, and competition for water among users (Fernald and Patton, 1984, p. 45-51). Water resource managers are searching for solutions including alternative water sources, implementing water use restrictions, improving water use efficiencies, and establishing guidelines for growth management. An inventory of the quantity of generated wastewater and locating areas of discharge can provide information to explore future alternative water sources in Florida. Additionally, identifying the location and amount of wastewater discharged to surface and ground water can aid managers in assessing the quality of the existing water resources in Florida. A statewide water use data base has been developed and maintained by the U.S. Geological Survey, in cooperation with the Florida Department of Environmental Protection¹. Before 1990, this data base included only water withdrawal and use information; detailed wastewater discharge and wastewater facility information have been added to this data base for 1990.

Purpose and Scope

This report provides an inventory of the quantity of treated wastewater discharged by the larger wastewater facilities in Florida during 1990. The method of discharge to land surfaces, water bodies, or by injection wells are identified. Additionally, an inventory of wastewater facilities by county and by water management district in Florida is provided.

Private or publicly owned domestic or industrial wastewater facilities that generated treated discharge of wastewater at a rate of more than 0.01 Mgal/d (10,000 gallons per day) or plants that had a capacity of more than 0.04 Mgal/d were inventoried for this report. Discharge of untreated wastewater from powerplant cooling systems, mining operations, or stormwater retention ponds was not included in the inventory. Additionally, detailed information on septic

tank discharge was not included in this report. Also, identifying the level of wastewater treatment (primary, secondary, or advanced) was beyond the scope of this report.

Data are reported by State, water management district, and county for the discharge of domestic and industrial wastewater during 1990. All of the systems involved are detailed in the back of this report by county. Most of the data for this report were from reported, but unpublished information on file with the Bureau of Water Facilities Planning and Regulation, Florida Department of Environmental Protection (Tallahassee).

Previous Investigations

As part of the U.S. Geological Survey National Water-Use Information Program, water use data are compiled for each State every 5 years. Part of this national compilation includes reporting withdrawal of water, water use, and discharge of wastewater on a county and hydrologic (river) basin-level for each State. Results from these data compilations have been published for Florida since 1970; wastewater discharge values are available for 1985 (Marella, 1988) and 1990 (Marella, 1992b).

Several assessments of the discharge of treated wastewater exist for selected areas in Florida. For example, a wastewater facility assessment of the Indian River Lagoon System (Florida Department of Environmental Regulation, 1991b), a water-resource assessment (including wastewater facilities) for Broward County (South Florida Water Management District, 1991), and the sanitary sewer element of the Pinellas County Comprehensive Plan (Pinellas County Planning Department, 1989) among others are available. Additionally, a recent inventory of reused wastewater quantities in Florida was recently completed by the Florida Department of Environmental Protection (Florida Department of Environmental Regulation, 1990b).

Data Sources and Reliability

Domestic (excluding septic tanks) and industrial wastewater systems in Florida are regulated by the FDEP. In 1990, the FDEP had nearly 5,100 active wastewater systems on file. Data on discharge of treated wastewater effluent was obtained from the monthly operating reports that are submitted to the

¹On July 1, 1993, the Florida Department of Environmental Regulation (FDER) and the Florida Department of Natural Resources (FDNR) were combined to form the Florida Department of Environmental Protection (FDEP).

FDEP by these systems. Data on population served were obtained from the FDEP facility information file (Carolyn Voyles, Florida Department of Environmental Protection, written commun., 1990), and various other sources.

The tables in this report present discharge values in million gallons per day and are reported to two places to the right of the decimal or to 10,000 gallons per day. However, values in the text are rounded to whole numbers when possible. The accuracy of the discharge values are considered good, as most wastewater facilities meter or measure their effluent flows. Some discrepancies in the data base may exist because of inaccurately reported or recorded data, particularly common are errors in decimal-point placement, or because data from some facilities may have been inadvertently omitted. The estimates of population served are not as accurate as the discharge data, because populations were often based on capacities instead of actual population served. In these cases, estimates of the population were made by contacting the utility or by using the utilities potable water (public supply) population served values from Marella (1993). Aggregated county and state discharge values may not precisely match previously published data for 1990 (Marella, 1992b, p. 9-10 and Shermeyen and others, 1992, p. 272) due to recent data revisions.

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DISCHARGE OF TREATED DOMESTIC AND INDUSTRIAL WASTEWATER IN FLORIDA, 1990

According to the Florida Department of Environmental Protection, 5,096 wastewater treatment systems were in operation in Florida during 1990. Of this total, 3,694 (72 percent) were domestic-wastewater facilities and the remaining 1,402 (28 percent) were industrial wastewater facilities. Most of the larger domestic wastewater facilities in Florida treat water that was withdrawn for public supply (potable) purposes. Most of the larger industrial wastewater facilities in Florida treat water that was self-supplied, however, many of the smaller industries discharge wastewater to domestic systems.

State Totals

The number of domestic and industrial wastewater systems inventoried for 1990 was 1,062 (systems that treated and discharged more than 0.01 Mgal/d or had a plant capacity greater than 0.04 Mgal/d). This represents about 21 percent of the total domestic and industrial wastewater systems on record with the FDEP during 1990. It is estimated that these systems accounted for about 98 percent of the total discharge of treated wastewater in Florida.

Total Wastewater

Treated wastewater discharge from the 1,062 domestic and industrial systems inventoried in 1990 totaled 1,638 Mgal/d. During 1990, more than 65 percent (1,057 Mgal/d) of this water was discharged to surface water, and the remaining 35 percent (581 Mgal/d) was discharged to ground water. Discharge to surface water includes treated effluent outfalls into the Atlantic Ocean (32 percent), while the remaining (68 percent) water was discharged into the Gulf of Mexico, bays, rivers, wetlands, and other surface water bodies throughout Florida. Discharge to ground water includes land application systems (including reuse systems and spray fields), drain fields, and percolation ponds (51 percent) and to injection wells (49 percent). An estimated 322 Mgal/d (20 percent) of the treated domestic and industrial wastewater was reused during 1990 (Florida Department of Environmental Regulation, 1990b, p. 6). Of this, 178 Mgal/d was used for irrigation purposes (residential, golf courses, citrus and other crops), 80 Mgal/d for environmental enhancement

(wetlands resotration, water-level augmentation), 30 Mgal/d for ground-water recharge, 14 Mgal/d for commercial-industrial uses, and 20 Mgal/d for other uses (Florida Department of Environmental Regulation, 1990b, p. 6).

Of the total discharge of treated wastewater during 1990, domestic wastewater systems discharged 83 percent (1,353 Mgal/d), and industrial wastewater systems discharged the remaining 17 percent (285 Mgal/d) (fig. 1). The amount of water treated and discharged increased nearly 18 percent between 1985 and 1990. Total discharge of wastewater inventoried in 1985 was 1,393 Mgal/d, of which 81 percent (1,122 Mgal/d) was discharged from domestic wastewater systems, and the remaining 19 percent (271 Mgal/d) was discharged from industrial systems (Marella, 1988, p. 12). Changes in the amount of treated wastewater discharge from year to year in Florida are affected by many factors. These include an increase in population served resulting from increases in the resident population; an increase in wastewater customers served resulting from utilities expanding their wastewater service areas (Marella, 1992a, p. 11); an increase (or decrease) in ground-water infiltration into the wastewater collection system caused by changes in the water table during wet or dry periods; and an increase in surface water runoff into the wastewater collection systems from excessive rainfall

(through storm sewers and manholes). Additional changes in data sources or reporting and methods of compilation can also affect discharge values.

Domestic Wastewater

Domestic wastewater facilities are those systems that receive or dispose of wastewater derived principally from residential dwellings, business or commercial buildings, institutions, and some industrial facilities (Florida Department of Environmental Regulation, 1991a). In 1990, the Florida Department of Environmental Protection regulated 3,694 domestic wastewater facilities throughout Florida. Of these systems, 60 percent (2,214 systems) had a capacity of between 0.01 and 0.09 Mgal/d (fig. 2), and 20 percent (753 systems) had a capacity of less than 0.01 Mgal/d (Elsa Potts, Florida Department of Environmental Protection, Tallahassee, written commun., 1992). For this report, 994 domestic wastewater systems were inventoried. These include 728 systems that had a capacity of 0.1 Mgal/d or greater, and 266 systems that had a capacity of between 0.04 and 0.09 Mgal/d. The systems inventoried are estimated to account for more than 98 percent of the discharge of treated wastewater during 1990.

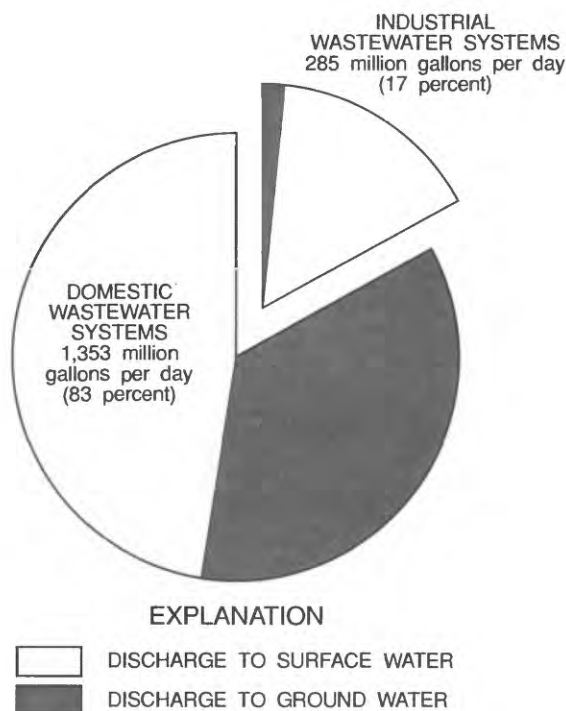


Figure 1. Total treated wastewater discharge by system type in Florida, 1990.

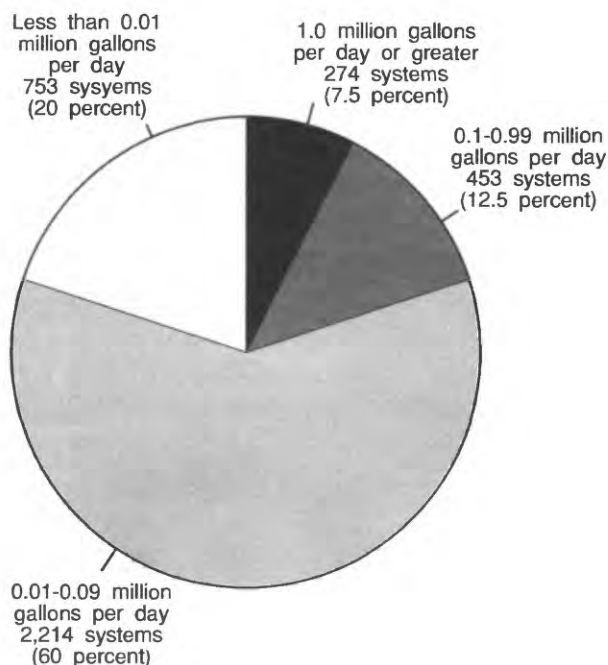


Figure 2. Domestic wastewater systems by plant capacity in Florida, 1990.

Discharge of treated wastewater from the 994 domestic wastewater systems inventoried in 1990 totaled 1,353 Mgal/d. The estimated flow from the remaining 2,700 systems would be about 24 Mgal/d (based on 0.009 Mgal/d per system). The population served by the 994 inventoried systems was estimated at about 8.58 million, or 66 percent of the 1990 population of Florida. The remaining 34 percent of the population (4.36 million) are served by the 2,700 smaller domestic wastewater systems (0.01 Mgal/d or less) or use septic tanks. In 1990, an estimated 1.56 million septic tanks (including cesspools) existed in Florida (U.S. Bureau of Census, 1993, p.97). Based on 55 gal/d per person of discharge (Tchobanoglous, 1991, p. 1020) and 2.46 people per household in Florida (Smith and Cody, 1992), discharge from these septic tanks would be more than 210 Mgal/d in 1990. The estimated number of septic tanks in Florida increased 66 percent from 1970 (0.94 million), 33 percent from 1980 (1.17 million) (Diane Murphy, U.S. Bureau of Census, oral commun., January 1993), and 8 percent from 1986 (1.44 million) (Ayres Associates, 1987, p. 15). Septic tanks in Florida are regulated by the FHRS.

Discharge of wastewater by domestic systems to surface water in Florida during 1990 totaled 785 Mgal/d, 58 percent of the total domestic discharge (fig. 3). The remaining 568 Mgal/d (42 percent) was discharged to ground water. Effluent outfalls to the Atlantic Ocean (345 Mgal/d) accounted for the largest amount of discharge to surface water, and effluent outfalls to injection wells (282 Mgal/d) had the largest amount of discharge to ground water during 1990. The remaining discharge to ground water (286 Mgal/d) was through land application systems (reuse systems and spray fields), drain fields, and percolation ponds. Values for the amount of discharge of wastewater to surface or ground water were not available for 1985.

Approximately 70 percent of the water withdrawn for public supply in Florida was returned for treatment at domestic wastewater facilities during 1990. Water withdrawn for public-supply in Florida during 1990 totaled 1,925 Mgal/d (Marella, 1993), whereas discharge of treated domestic wastewater totaled 1,353 Mgal/d (fig. 3). The remaining water (572 Mgal/d) was used for outdoor purposes (including lawn watering, swimming pool replenishing), system maintenance and leakage, public

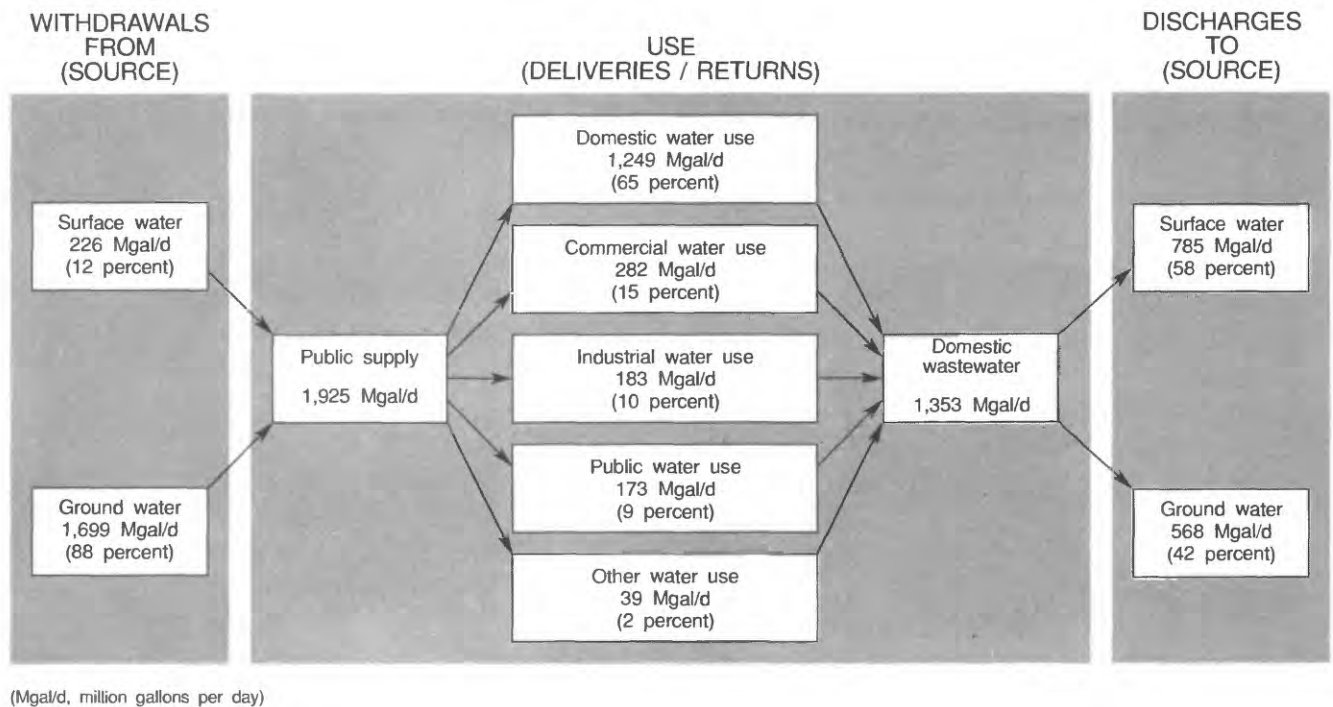


Figure 3. Diagram of public-supply water use in Florida, 1990 (modified from Marella, 1993, p.4).

uses (including firefighting), or was used by public-supply customers who discharge through septic tanks. An estimated 11.23 million people were served by public-water supply systems in Florida during 1990 (Marella, 1993), compared to 8.58 million served by domestic wastewater systems. Nearly 88 percent (1,699 Mgal/d) of the water withdrawn for public supply in Florida was from ground water; however, only 42 percent (568 Mgal/d) was returned directly back to ground water during 1990 (fig. 3).

Discharge of treated wastewater from domestic systems increased more than 20 percent between 1985 and 1990. In 1985, discharge of wastewater in Florida was estimated for 774 domestic wastewater systems, and totaled 1,122 Mgal/d (Marella, 1988, p. 10). Much of the increase in the domestic discharge of wastewater volumes between 1985 and 1990 was from an influx of permanent residents and tourists (Marella, 1992a, p. 9). Public-supply withdrawals increased nearly 15 percent from 1,677 Mgal/d in 1985 to 1,925 Mgal/d in 1990 (Marella, 1993) (table 1). During the same period (1985-1990), the population of Florida increased 14 percent, and the number of annual visitors to Florida increased by 27 percent. The population of Florida population increased from 11.32 million people in 1985 to 12.94 million people in 1990 (Shermyen and others, 1992, p 8), and the number of visitors to the State increased from 32.2 million people in 1985 (Florida Department of Commerce, 1986, p. 1) to 41.0 million people in 1990 (Florida Division of Tourism, 1990).

Table 1. Public-supply withdrawals and treated discharge by domestic wastewater systems in Florida, 1960-90

[Modified from Marella (1988; 1993); withdrawal and discharge values are in million gallons per day; N/A, data not available]

Year	Public-supply withdrawals	Treated domestic wastewater discharge
1960	523.0	N/A
1965	706.4	N/A
1970	883.5	N/A
1975	1,124.1	N/A
1980	1,406.4	N/A
1985	1,685.4	1,121.6
1990	1,925.1	1,353.3

Industrial Wastewater

Industrial wastewater facilities includes those that produce, treat or dispose of wastewater not otherwise defined primarily as domestic wastewater, including the runoff and leachate from areas that receive pollutants associated with industrial or commercial storage, handling, or processing (Florida Department of Environmental Regulation, 1991a). In 1990, the Florida Department of Environmental Protection regulated 1,402 industrial wastewater facilities throughout Florida. Nearly 80 percent of these systems (1,121 systems) had a capacity of less than 0.01 Mgal/d (fig. 4), 13 percent (179 systems) had a capacity of 1.0 Mgal/d or greater, and 7 percent (102 systems) had a capacity between 0.01 Mgal/d and 0.99 Mgal/d (Carolyn Voyles, Florida Department of Environmental Protection, Tallahassee, oral commun., 1992). Many of the industrial wastewater systems have permits for large amounts of effluent discharge, but often discharge well below the capacity, discharge only seasonally, or do not discharge at all during a given year. For this report, 68 of the largest industrial wastewater systems were inventoried (systems that treated and

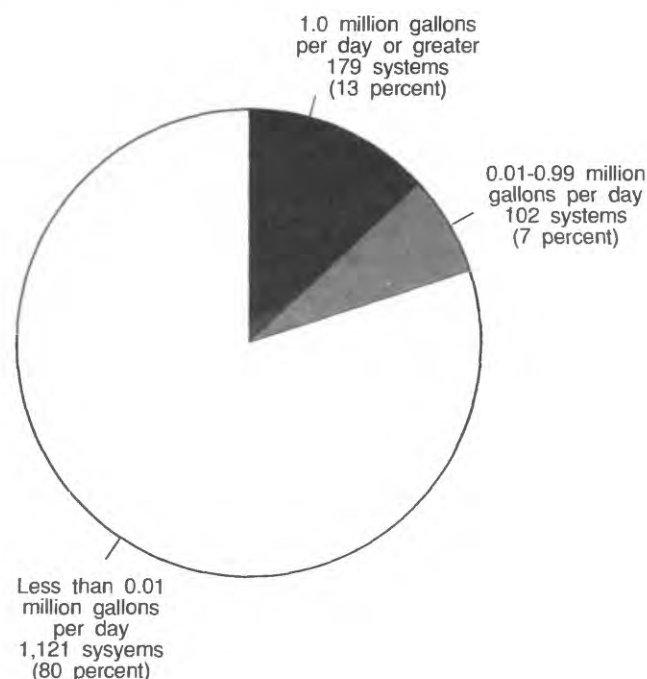


Figure 4. Industrial-wastewater systems by plant capacity in Florida, 1990 (from Carolyn Voyles, Florida Department of Environmental Protection, written commun., 1992).

discharged more than 0.01 Mgal/d during 1990). This inventory did not include the discharge from the 44 permitted thermoelectric powerplants in Florida, because their discharge does not require treatment. Discharge from the dewatering and stormwater retention from the many mining operations in the State were also not included because much of this water does not require treatment and is often unmeasured. The 68 systems inventoried are estimated to account for more than 96 percent of the treated industrial discharge of wastewater during 1990.

Discharge of treated wastewater from the 68 industrial wastewater systems inventoried in 1990 totaled 285 Mgal/d. The estimated discharge from the remaining 1,121 small systems not inventoried would be about 10 Mgal/d (based on 0.009 Mgal/d per system). An estimated additional 112 Mgal/d of untreated water was discharged from mining operations (from dewatering or stormwater retention) and nearly 700 Mgal/d of untreated freshwater was discharged from powerplants throughout Florida during 1990. Discharge of wastewater by the 68 industrial wastewater systems to surface water in Florida during 1990 totaled 271 Mgal/d or 95 percent of the total industrial discharge. The remaining 13 Mgal/d (5 percent) was discharged to ground water. Treated wastewater effluent outfalls to the St. Johns River and its tributaries and the Fenholloway River each had the largest amount of discharge to surface water (54 Mgal/d) during 1990. Percolation ponds had the largest amount of discharge to ground-water during 1990 (9 Mgal/d). Values for the amount of discharge of wastewater to surface or ground water were not available for 1985.

Discharge of wastewater for industrial systems increased about 5 percent between 1985 and 1990 (table 2). In 1985, discharge for industrial wastewater was estimated for 125 systems and totaled 271 Mgal/d (Marella, 1988, p. 10). The increase in industrial discharge of wastewater between 1985 and 1990 in Florida mirrors the withdrawals for commercial and industrial purposes. Freshwater withdrawn for self-supplied commercial and industrial purposes increased from 709 Mgal/d in 1985 to 770 Mgal/d in 1990 (Marella, 1992b, p. 12).

Water Management Districts Totals

The Florida Water Resources Act of 1972 established authority for management of the State's

water resources through five water management districts under the general supervision of the FDNR. These districts include; Northwest Florida, St. Johns River, South Florida, Southwest Florida, and Suwannee River Water Management Districts, and encompass the entire State (fig. 5). The districts are empowered to oversee a variety of water issues on a regional level and are currently under the general supervision of the FDEP (formerly the FDER) (Marella, 1990, p. 7).

Table 2. Self-supplied commercial-industrial freshwater withdrawals and treated discharge by industrial wastewater systems in Florida, 1960-90

[Modified from Leach, (1983), and Marella (1988 and 1992b); withdrawal and discharge values are in million gallons per day; N/A, data not available]

Year	Self-supplied commercial-industrial withdrawals	Treated industrial wastewater discharge
1960	759.0	N/A
1965	847.1	N/A
1970	899.5	N/A
1975	882.6	N/A
1980	700.5	N/A
1985	708.8	270.9
1990	769.9	285.0

The South Florida Water Management District had the largest amount of wastewater discharge (665 Mgal/d) during 1990 (table 3). The St. Johns River Water Management District and the Southwest Florida Water Management District had 361 Mgal/d and 337 Mgal/d, respectively, of the total wastewater discharge during 1990, followed by the Northwest Florida Water Management District (188 Mgal/d) and the Suwannee River Water Management District (88 Mgal/d). The South Florida Water Management District had the largest amount of treated wastewater discharge from domestic systems (655 Mgal/d), and the St. Johns River Water Management District had the largest amount of treated wastewater discharge from industrial systems (84 Mgal/d) during 1990 (table 3). Three counties (Dade, Broward, and Pinellas) had discharge of wastewater volumes greater than 100 Mgal/d in 1990 (table 4).

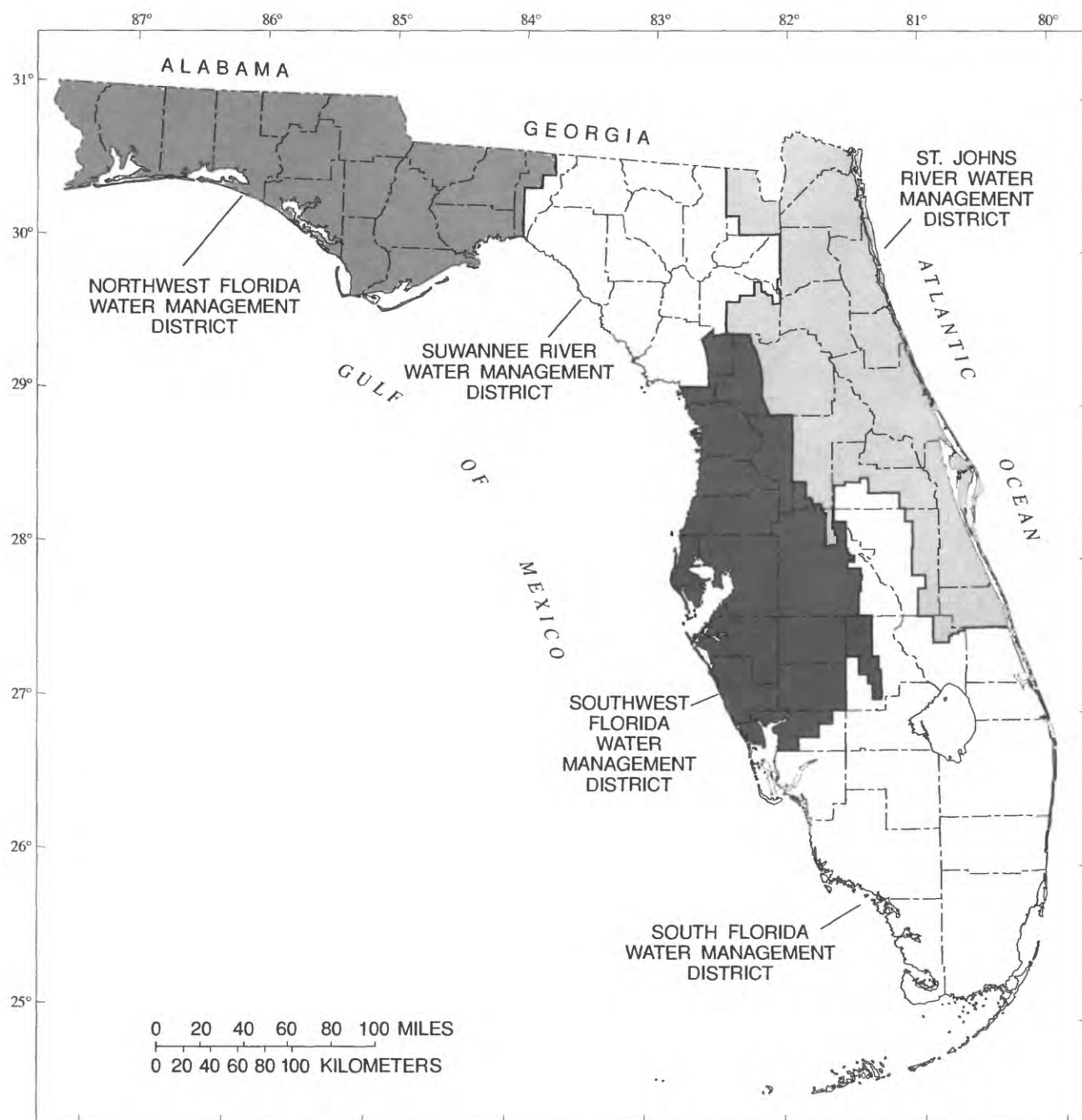


Figure 5. Boundaries of the water management districts (from Marella, 1990).

Table 3. Treated domestic and industrial wastewater systems discharge by water management district in Florida, 1990

[Values are in million gallons per day]

Water management district	Domestic wastewater discharge	Industrial wastewater discharge	Total treated wastewater discharge
Northwest Florida	127.32	60.47	187.79
St. Johns River	277.42	83.77	361.19
South Florida	654.60	10.00	664.60
Southwest Florida	285.21	51.81	337.02
Suwannee River	8.74	78.95	87.69
State totals	1,353.29	285.00	1,638.29

Table 4. Discharge of treated wastewater by county and water management district in Florida, 1990

[Includes both domestic and industrial wastewater discharge; values are in million gallons per day]

County	Total discharge	Northwest Florida	St. Johns River	South Florida	Southwest Florida	Suwannee River
Alachua	15.43	0.00	14.12	0.00	0.00	1.31
Baker	0.81	0.00	0.65	0.00	0.00	0.16
Bay	33.28	33.28	0.00	0.00	0.00	0.00
Bradford	8.82	0.00	0.00	0.00	0.00	8.82
Brevard	42.78	0.00	42.78	0.00	0.00	0.00
Broward	171.02	0.00	0.00	171.02	0.00	0.00
Calhoun	0.50	0.50	0.00	0.00	0.00	0.00
Charlotte	5.38	0.00	0.00	0.13	5.25	0.00
Citrus	2.57	0.00	0.00	0.00	2.57	0.00
Clay	12.95	0.00	12.95	0.00	0.00	0.00
Collier	16.41	0.00	0.00	16.41	0.00	0.00
Columbia	1.69	0.00	0.00	0.00	0.00	1.69
Dade	283.36	0.00	0.00	283.36	0.00	0.00
De Soto	1.10	0.00	0.00	0.00	1.10	0.00
Dixie	0.26	0.00	0.00	0.00	0.00	0.26
Duval	77.80	0.00	77.80	0.00	0.00	0.00
Escambia	60.10	60.10	0.00	0.00	0.00	0.00
Flagler	2.57	0.00	2.57	0.00	0.00	0.00
Franklin	1.01	1.01	0.00	0.00	0.00	0.00
Gadsden	5.03	5.03	0.00	0.00	0.00	0.00
Gilchrist	0.23	0.00	0.00	0.00	0.00	0.23
Glades	0.05	0.00	0.00	0.05	0.00	0.00
Gulf	43.29	43.29	0.00	0.00	0.00	0.00
Hamilton	17.33	0.00	0.00	0.00	0.00	17.33
Hardee	1.11	0.00	0.00	0.00	1.11	0.00
Hendry	10.69	0.00	0.00	10.69	0.00	0.00
Hernando	2.91	0.00	0.00	0.00	2.91	0.00
Highlands	2.44	0.00	0.00	0.02	2.42	0.00
Hillsborough	84.89	0.00	0.00	0.00	84.89	0.00
Holmes	0.66	0.66	0.00	0.00	0.00	0.00
Indian River	4.80	0.00	4.80	0.00	0.00	0.00
Jackson	2.40	2.40	0.00	0.00	0.00	0.00
Jefferson	0.55	0.55	0.00	0.00	0.00	0.00
Lafayette	0.12	0.00	0.00	0.00	0.00	0.12
Lake	8.55	0.00	8.55	0.00	0.00	0.00
Lee	29.11	0.00	0.00	29.11	0.00	0.00
Leon	16.37	16.37	0.00	0.00	0.00	0.00
Levy	0.54	0.00	0.00	0.00	0.30	0.24
Liberty	0.11	0.11	0.00	0.00	0.00	0.00
Madison	0.63	0.00	0.00	0.00	0.00	0.63
Manatee	25.34	0.00	0.00	0.00	25.34	0.00
Marion	6.83	0.00	6.11	0.00	0.72	0.00
Martin	4.76	0.00	0.00	4.76	0.00	0.00
Monroe	9.45	0.00	0.00	9.45	0.00	0.00
Nassau	32.27	0.00	32.27	0.00	0.00	0.00
Okaloosa	14.70	14.70	0.00	0.00	0.00	0.00
Okeechobee	0.38	0.00	0.01	0.37	0.00	0.00
Orange	91.67	0.00	57.62	34.05	0.00	0.00
Osceola	10.22	0.00	0.00	10.22	0.00	0.00
Palm Beach	85.47	0.00	0.00	85.47	0.00	0.00
Pasco	26.05	0.00	0.00	0.00	26.05	0.00
Pinellas	104.24	0.00	0.00	0.00	104.24	0.00
Polk	56.93	0.00	0.25	0.49	56.19	0.00
Putnam	39.69	0.00	39.69	0.00	0.00	0.00
St. Johns	5.07	0.00	5.07	0.00	0.00	0.00
St. Lucie	9.00	0.00	0.00	9.00	0.00	0.00
Santa Rosa	6.01	6.01	0.00	0.00	0.00	0.00
Sarasota	23.09	0.00	0.00	0.00	23.09	0.00
Seminole	26.07	0.00	26.07	0.00	0.00	0.00
Sumter	0.84	0.00	0.00	0.00	0.84	0.00
Suwannee	1.78	0.00	0.00	0.00	0.00	1.78
Taylor	54.69	0.00	0.00	0.00	0.00	54.69
Union	0.43	0.00	0.00	0.00	0.00	0.43
Volusia	29.88	0.00	29.88	0.00	0.00	0.00
Wakulla	0.61	0.61	0.00	0.00	0.00	0.00
Walton	2.43	2.43	0.00	0.00	0.00	0.00
Washington	0.74	0.74	0.00	0.00	0.00	0.00
Totals	1,638.29	187.79	361.19	664.60	337.02	87.69

County Totals

Wastewater discharge data for 1990 was collected for all 67 counties in Florida (fig. 6). At least one domestic-wastewater facility was inventoried for each county; however, only 27 counties had at least one industrial wastewater facility. Dade County discharged the largest amount of treated wastewater (283 Mgal/d) in Florida during 1990, all of which was from domestic wastewater facilities (table 5). Other counties that discharged more than 100 Mgal/d during 1990 include Broward (171 Mgal/d), and Pinellas (104 Mgal/d). Glades, Liberty, and Lafayette Counties had the smallest amounts of wastewater during 1990, discharging 0.05 Mgal/d, 0.11 Mgal/d, and 0.12 Mgal/d, respectively (table 5).

Dade County also had the largest number of residents (1.47 million) served by domestic wastewater systems during 1990 (table 6). This represents almost 76 percent of the population (1.94 million) for Dade County in 1990 (University of Florida, 1991, p. 12). For domestic wastewater systems in 1990, Dade and Broward Counties had the largest amount of treated effluent discharged to surface water, while Pinellas, Orange, and Dade Counties had the largest amount of treated effluent discharged to ground water (injection wells, land application, percolation ponds, and others) (table 6). Nearly 74 percent (209 Mgal/d) of the treated wastewater effluent in Dade County and 60 percent (103 Mgal/d) of the treated wastewater effluent in Broward County was discharged to the Atlantic Ocean in 1990. Dade County discharged 71 Mgal/d of treated domestic wastewater effluent into injection wells. Other counties that discharged more than 10 Mgal/d of treated wastewater effluent using injection wells include, Brevard, Broward, Manatee, Palm Beach, and Pinellas (table 6). Escambia, Palm Beach, and Santa Rosa were the only counties that discharged treated water from industrial wastewater systems using injection wells (table 6). Pinellas County used the largest amount of reclaimed wastewater during 1990 (37 Mgal/d), primarily for the irrigation of commercial and residential lawns, golf courses and public areas (Florida Department of Environmental Regulation, 1990b, p. 6).

Overall, Monroe County had the largest number of domestic wastewater systems in 1990 (271), followed by Lee County (252), Duval County (249), and Hillsborough County (217)

(fig. 7). Only a small percentage of these systems were large enough to be inventoried and listed in table 5. Dade County had the largest number of septic tanks in 1990 (116,288), followed by Polk County (80,238), and Hillsborough County (78,911) (U.S. Bureau of Census, 1993, table 66) (fig. 8). However, in terms of density, Seminole and Duval counties had the greatest number of septic tanks (88 and 84 respectively) per square mile of land in 1990 (fig. 8).

SUMMARY

According to The Florida Department of Environmental Protection, 5,096 wastewater systems were in operation during 1990. Of this total, 3,694 (72 percent) were domestic wastewater facilities and the remaining 1,402 (28 percent) were industrial wastewater facilities. The total number of wastewater systems inventoried for 1990 was 1,062 (systems that discharged more than 0.01 Mgal/d or had a plant capacity of greater than 0.04 Mgal/d). Treated discharge of wastewater from the 1,062 systems inventoried in 1990 was 1,638 Mgal/d. Approximately 65 percent (1,057 Mgal/d) of this water was discharged to surface water during 1990, and the remaining 35 percent (581 Mgal/d) was discharged to ground water. Discharge to surface water includes treated effluent outfalls into the Atlantic Ocean (32 percent), with the remaining 68 percent being discharged into the Gulf of Mexico bays, rivers, wetlands, and other surface water bodies throughout Florida. Discharge to ground water includes land application systems (including reuse systems and spray fields), drain fields, and percolation ponds (51 percent) and to injection wells (49 percent). An estimated 322 Mgal/d of the treated wastewater was reused in 1990.

Domestic wastewater systems accounted for 83 percent of the total discharge of wastewater in 1990, and industrial wastewater system the remaining 17 percent. For this report, 994 domestic wastewater systems were inventoried, and these systems served an estimated 8.58 million people (66 percent of the population of Florida in 1990) and discharged 1,353 Mgal/d. The remaining 34 percent of Florida's population (4.36 million people) are served by the 2,700 smaller domestic wastewater systems (not inventoried) or discharge wastewater to individual septic tanks. For 1990, there were 1.56 million septic tanks in Florida with an estimated discharge of more than 210 Mgal/d.

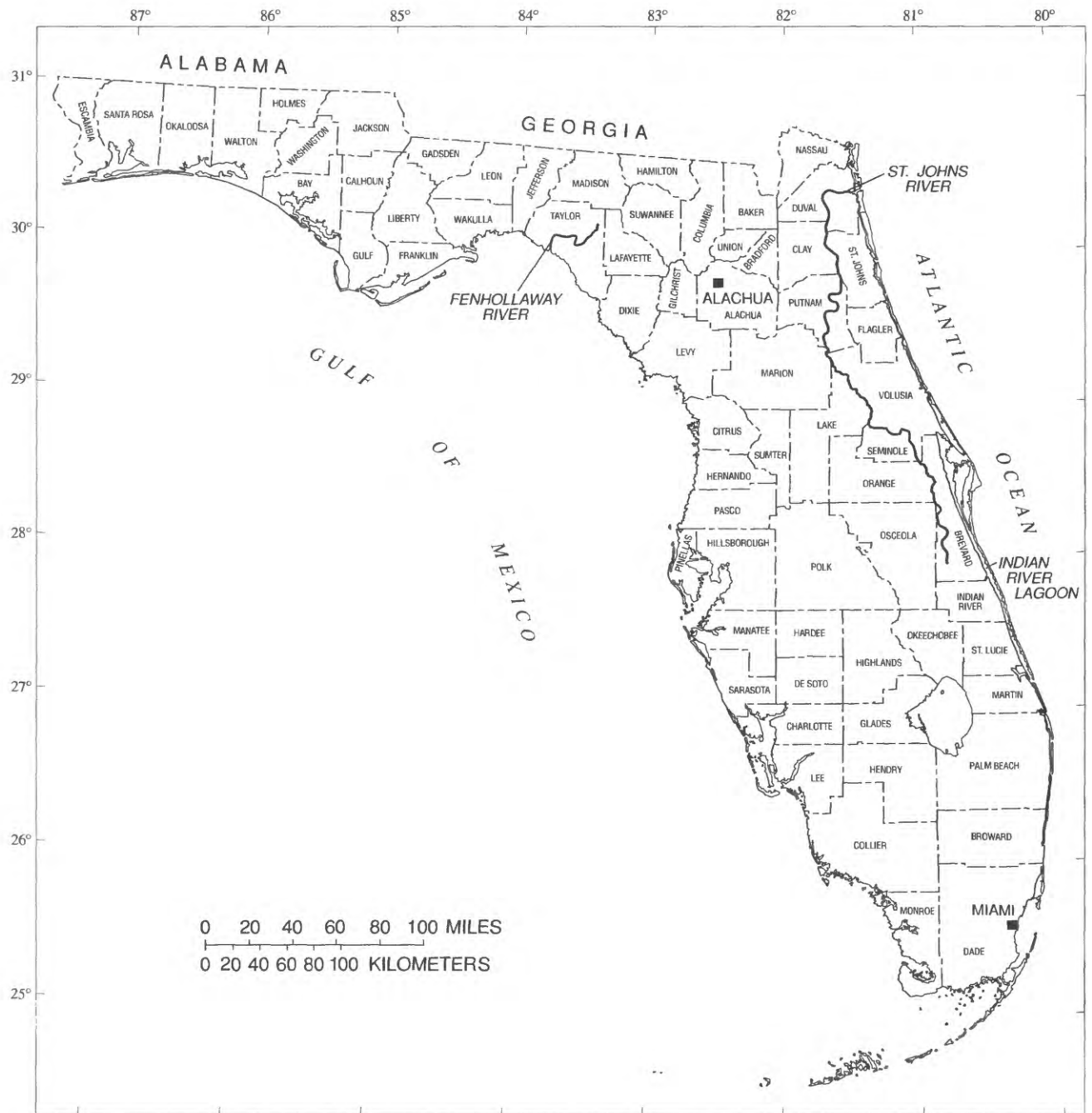


Figure 6. Counties, selected cities, and rivers in Florida.

Table 5. Discharge of treated domestic and industrial wastewater by county in Florida, 1990

[Compiled from data provided by the Florida Department of Environmental Protection, Division of Water Facilities; Discharge values are in million gallons per day; 0.00 indicates no discharge was inventoried]

County	Domestic wastewater systems		Industrial wastewater systems		Total treated discharge
	Facilities inventoried	Treated discharge	Facilities inventoried	Treated discharge	
Alachua	10	14.83	1	0.60	15.43
Baker	3	0.81	0	0.00	0.81
Bay	12	33.28	0	0.00	33.28
Bradford	3	2.02	1	6.80	8.82
Brevard	33	42.78	0	0.00	42.78
Broward	15	171.02	0	0.00	171.02
Calhoun	1	0.50	0	0.00	0.50
Charlotte	15	5.38	0	0.00	5.38
Citrus	16	2.57	0	0.00	2.57
Clay	13	6.94	2	6.01	12.95
Collier	36	16.41	0	0.00	16.41
Columbia	1	1.69	0	0.00	1.69
Dade	13	283.36	0	0.00	283.36
De Soto	5	1.10	0	0.00	1.10
Dixie	2	0.26	0	0.00	0.26
Duval	25	68.03	5	9.77	77.80
Escambia	21	18.45	2	41.65	60.10
Flagler	9	2.57	0	0.00	2.57
Franklin	4	1.01	0	0.00	1.01
Gadsden	5	1.96	1	3.07	5.03
Gilchrist	2	0.23	0	0.00	0.23
Glades	2	0.05	0	0.00	0.05
Gulf	4	32.04	1	11.25	43.29
Hamilton	3	0.68	1	16.65	17.33
Hardee	5	1.11	0	0.00	1.11
Hendry	5	2.14	2	8.55	10.69
Hernando	16	2.91	0	0.00	2.91
Highlands	20	2.44	0	0.00	2.44
Hillsborough	49	79.43	8	5.46	84.89
Holmes	1	0.66	0	0.00	0.66
Indian River	16	4.55	1	0.25	4.80
Jackson	6	2.40	0	0.00	2.40
Jefferson	2	0.55	0	0.00	0.55
Lafayette	2	0.12	0	0.00	0.12
Lake	32	7.99	3	0.56	8.55
Lee	67	29.11	0	0.00	29.11
Leon	7	16.37	0	0.00	16.37
Levy	3	0.54	0	0.00	0.54
Liberty	1	0.11	1	0.00	0.11
Madison	1	0.63	0	0.00	0.63
Manatee	7	23.99	2	1.35	25.34
Marion	30	6.83	0	0.00	6.83
Martin	31	4.49	1	0.27	4.76
Monroe	31	9.45	0	0.00	9.45
Nassau	6	2.37	2	29.90	32.27
Okaloosa	19	14.70	0	0.00	14.70
Okeechobee	3	0.38	0	0.00	0.38
Orange	46	91.67	0	0.00	91.67
Osceola	19	10.22	0	0.00	10.22
Palm Beach	17	84.29	4	1.18	85.47
Pasco	38	15.88	1	10.17	26.05
Pinellas	26	104.24	0	0.00	104.24
Polk	70	25.23	15	31.70	56.93
Putnam	4	2.47	1	37.22	39.69
St. Johns	17	5.07	0	0.00	5.07
St. Lucie	26	9.00	0	0.00	9.00
Santa Rosa	9	2.80	2	3.21	6.01
Sarasota	39	19.96	4	3.13	23.09
Seminole	18	26.07	0	0.00	26.07
Sumter	8	0.84	0	0.00	0.84
Suwannee	4	0.78	1	1.00	1.78
Taylor	1	0.79	1	53.90	54.69
Union	2	0.43	0	0.00	0.43
Volusia	25	29.82	2	0.06	29.88
Wakulla	3	0.10	2	0.51	0.61
Walton	6	1.65	1	0.78	2.43
Washington	3	0.74	0	0.00	0.74
Totals	994	1,353.29	68	285.00	1,638.29

Table 6. Treated domestic and industrial wastewater systems discharge by source in Florida, 1990
 [Discharge values are in million gallons per day; 0.00 indicates no discharge was inventoried]

County	Population served	Domestic wastewater systems				Industrial wastewater systems			
		Treated discharge	Disposal method			Treated discharge	Disposal method		
			Ground	Injection well	Surface		Ground	Injection well	Surface
Alachua	120,035	14.83	0.65	7.92	6.26	0.60	0.00	0.00	0.60
Baker	2,500	0.81	0.16	0.00	0.65	0.00	0.00	0.00	0.00
Bay	75,465	33.28	0.47	0.00	32.81	0.00	0.00	0.00	0.00
Bradford	6,500	2.02	0.00	0.00	2.02	6.80	0.00	0.00	6.80
Brevard	258,374	42.78	11.73	20.74	10.31	0.00	0.00	0.00	0.00
Broward	1,026,933	171.02	0.67	67.55	102.80	0.00	0.00	0.00	0.00
Calhoun	2,400	0.50	0.00	0.00	0.50	0.00	0.00	0.00	0.00
Charlotte	56,583	5.38	3.48	0.21	1.69	0.00	0.00	0.00	0.00
Citrus	23,032	2.57	1.85	0.00	0.72	0.00	0.00	0.00	0.00
Clay	57,798	6.94	0.10	0.00	6.84	6.01	0.01	0.00	6.00
Collier	112,228	16.41	14.13	0.00	2.28	0.00	0.00	0.00	0.00
Columbia	10,000	1.69	1.69	0.00	0.00	0.00	0.00	0.00	0.00
Dade	1,472,500	283.36	2.78	71.40	209.18	0.00	0.00	0.00	0.00
De Soto	7,500	1.10	0.19	0.00	0.91	0.00	0.00	0.00	0.00
Dixie	3,000	0.26	0.00	0.00	0.26	0.00	0.00	0.00	0.00
Duval	475,045	68.03	0.00	0.00	68.03	9.77	0.00	0.00	9.77
Escambia	149,648	18.45	0.97	0.00	17.48	41.65	0.00	2.04	39.61
Flagler	20,084	2.57	1.77	0.00	0.80	0.00	0.00	0.00	0.00
Franklin	4,300	1.01	0.30	0.00	0.71	0.00	0.00	0.00	0.00
Gadsden	18,250	1.96	0.00	0.00	1.96	3.07	0.00	0.00	3.07
Gilchrist	1,000	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Glades	400	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Gulf	5,918	32.04	0.29	0.00	31.75	11.25	0.00	0.00	11.25
Hamilton	5,048	0.68	0.09	0.00	0.59	16.65	0.00	0.00	16.65
Hardee	7,670	1.11	0.15	0.00	0.96	0.00	0.00	0.00	0.00
Hendry	14,450	2.14	2.14	0.00	0.00	8.55	8.55	0.00	0.00
Hernando	29,617	2.91	2.91	0.00	0.00	0.00	0.00	0.00	0.00
Highlands	28,641	2.44	2.44	0.00	0.00	0.00	0.00	0.00	0.00
Hillsborough	548,369	79.43	5.58	0.00	73.85	5.46	0.00	0.00	5.46
Holmes	2,600	0.66	0.00	0.00	0.66	0.00	0.00	0.00	0.00
Indian River	42,038	4.55	1.80	0.00	2.75	0.25	0.00	0.00	0.25
Jackson	11,349	2.40	0.35	0.00	2.05	0.00	0.00	0.00	0.00
Jefferson	2,898	0.55	0.02	0.00	0.53	0.00	0.00	0.00	0.00
Lafayette	1,000	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00
Lake	76,272	7.99	7.99	0.00	0.00	0.56	0.18	0.00	0.38
Lee	187,389	29.11	8.62	0.35	20.14	0.00	0.00	0.00	0.00
Leon	126,750	16.37	16.37	0.00	0.00	0.00	0.00	0.00	0.00
Levy	5,000	0.54	0.47	0.00	0.07	0.00	0.00	0.00	0.00
Liberty	0	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Madison	3,960	0.63	0.00	0.00	0.63	0.00	0.00	0.00	0.00
Manatee	184,000	23.99	7.43	11.57	4.99	1.35	0.00	0.00	1.35
Marion	42,230	6.83	6.75	0.00	0.08	0.00	0.00	0.00	0.00
Martin	45,200	4.49	3.06	1.43	0.00	0.27	0.00	0.00	0.27
Monroe	42,887	9.45	0.02	1.58	7.85	0.00	0.00	0.00	0.00
Nassau	20,830	2.37	0.56	0.00	1.81	29.90	0.00	0.00	29.90
Okaloosa	91,374	14.70	13.67	0.00	1.03	0.00	0.00	0.00	0.00
Okeechobee	4,140	0.38	0.38	0.00	0.00	0.00	0.00	0.00	0.00
Orange	486,194	91.67	72.37	0.00	19.30	0.00	0.00	0.00	0.00
Osceola	73,250	10.22	10.22	0.00	0.00	0.00	0.00	0.00	0.00
Palm Beach	714,414	84.29	4.34	50.11	29.84	1.18	0.47	0.69	0.02
Pasco	80,684	15.88	10.71	0.00	5.17	10.17	0.00	0.00	10.17
Pinellas	766,801	104.24	34.84	45.01	24.39	0.00	0.00	0.00	0.00
Polk	162,706	25.23	9.41	0.00	15.82	31.70	0.14	0.00	31.56
Putnam	13,950	2.47	0.00	0.00	2.47	37.22	0.00	0.00	37.22
St. Johns	52,963	5.07	1.78	0.00	3.29	0.00	0.00	0.00	0.00
St. Lucie	70,395	9.00	1.20	2.00	5.80	0.00	0.00	0.00	0.00
Santa Rosa	21,590	2.80	0.73	0.00	2.07	3.21	0.00	0.95	2.26
Sarasota	197,468	19.96	8.52	2.02	9.42	3.13	0.00	0.00	3.13
Seminole	217,500	26.07	5.60	0.00	20.47	0.00	0.00	0.00	0.00
Sumter	2,700	0.84	0.36	0.00	0.48	0.00	0.00	0.00	0.00
Suwannee	8,904	0.78	0.78	0.00	0.00	1.00	0.00	0.00	1.00
Taylor	2,055	0.79	0.00	0.00	0.79	53.90	0.00	0.00	53.90
Union	4,071	0.43	0.00	0.00	0.43	0.00	0.00	0.00	0.00
Volusia	249,539	29.82	2.04	0.00	27.78	0.06	0.06	0.00	0.00
Wakulla	544	0.10	0.10	0.00	0.00	0.51	0.00	0.00	0.51
Walton	12,442	1.65	1.11	0.00	0.54	0.78	0.00	0.00	0.78
Washington	8,220	0.74	0.02	0.00	0.72	0.00	0.00	0.00	0.00
Totals	8,579,595	1,353.29	286.67	281.89	784.73	285.00	9.41	3.68	271.91

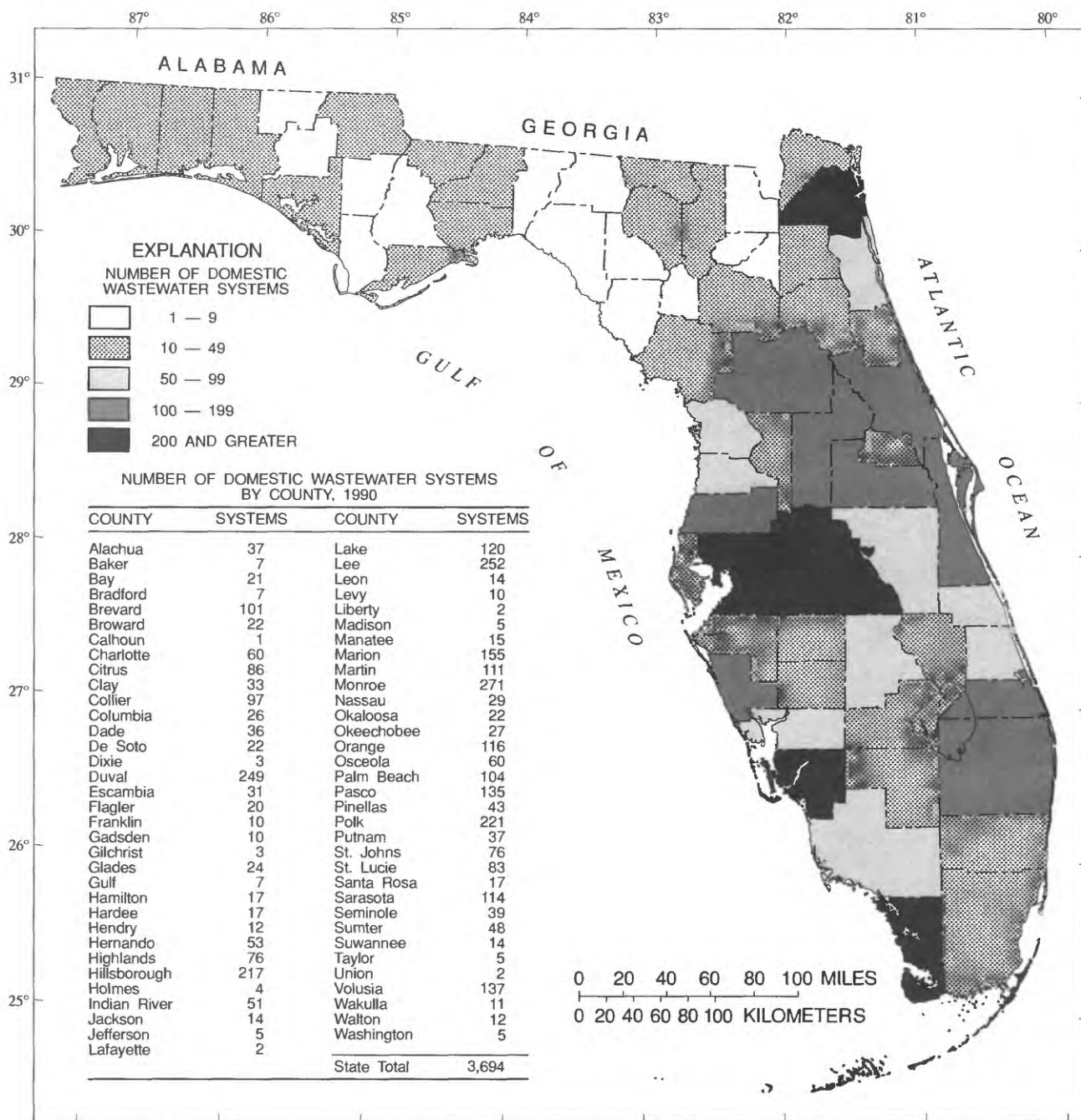


Figure 7. Number of domestic wastewater systems by county in Florida, 1990 (from Elsa Potts, Florida Department of Environmental Regulation, written commun., 1992).

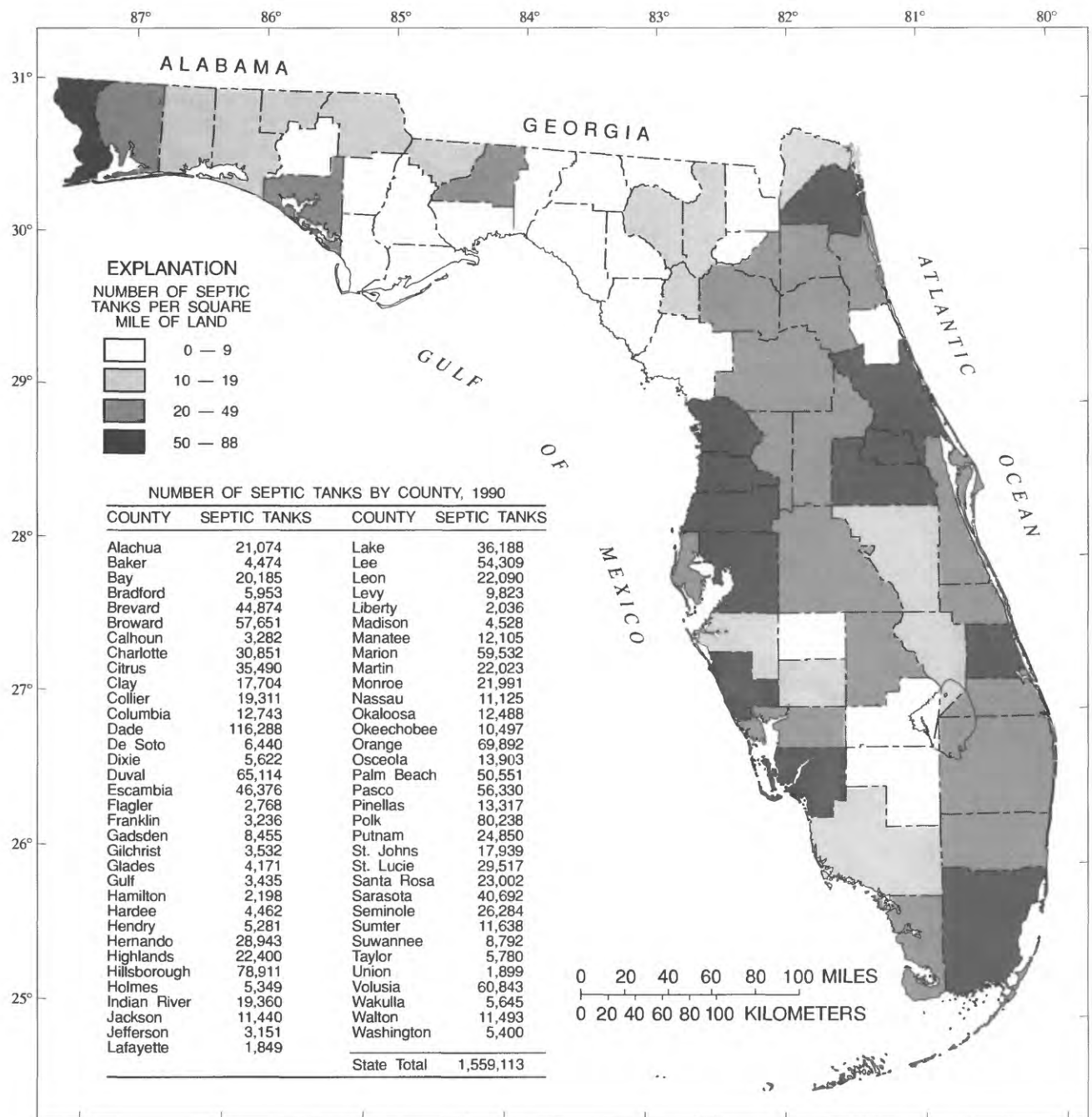


Figure 8. Density and number of septic tanks by county in Florida, 1990 (modified from U.S. Bureau of Census, 1993, table 66; and Shermeyen and others, 1992, p. 259).

Of the treated domestic wastewater during 1990 in Florida, 58 percent (785 Mgal/d) was discharged to surface water. The remaining 42 percent (568 Mgal/d) was discharged to ground water. Treated domestic wastewater increased more than 20 percent between 1985 (1,122 Mgal/d) and 1990. Treated discharge from the 68 industrial wastewater systems inventoried in 1990 totaled 285 Mgal/d. This does not include an estimated 812 Mgal/d of untreated water discharge from powerplants (700 Mgal/d) and mines (112 Mgal/d) during 1990. Of the treated industrial wastewater during 1990 in Florida, 95 percent (271 Mgal/d) was discharged to surface water and the remaining 5 percent (13 Mgal/d) was discharged to ground water. Discharge of treated industrial wastewater increased 5 percent between 1985 (271 Mgal/d) and 1990 (285 Mgal/d).

The South Florida Water Management District had the largest amount of discharge of wastewater (665 Mgal/d) during 1990. The St. Johns River Water Management District and the Southwest Florida Water Management District had 361 Mgal/d and 337 Mgal/d, respectively, followed by the Northwest Florida Water Management District (188 Mgal/d) and the Suwannee River Water Management District (88 Mgal/d). The South Florida Water Management District had the largest amount of discharge of wastewater from domestic systems (655 Mgal/d), and the St. Johns River Water Management District had the largest amount of discharge of treated wastewater from industrial systems (84 Mgal/d) during 1990.

Dade County discharged the largest amount of treated wastewater (283 Mgal/d) in Florida during 1990, all of which was from domestic wastewater facilities. Other counties that discharged more than 100 Mgal/d during 1990 include Broward (171 Mgal/d), and Pinellas (104 Mgal/d). For domestic wastewater facilities in 1990, Dade and Broward Counties had the largest amount of treated effluent discharged to surface water, whereas Pinellas, Orange, and Dade Counties had the largest amount of treated effluent discharged to ground water. Pinellas County used the largest amount of reclaimed wastewater during 1990 (37 Mgal/d).

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TABLES 7-73

Explanation Of County Data Format

Tables 7 through 73 present, by county, data for each of the facilities inventoried for 1990. These tables list the facility/owner, the FDEP Groundwater Management System identification number (ID), type of facility (domestic or industrial), water management district jurisdiction, population served (if applicable), 1990 discharge amount (in Mgal/d), disposal source (ground or surface), and the disposal system method or receiving water body. For example, table 7 shows that for the city of Alachua (Alachua County), the FDEP Groundwater Management System ID number is 3101M02780, is a domestic wastewater system, is within the Suwannee River Water Management District's jurisdiction, served 4,000 people, discharged an average of 0.34 Mgal/d during 1990, and disposed the treated effluent to the ground through a spray field. Population served data was provided for domestic wastewater systems only and is reported for permanent residents only. For utilities that have more than one system, the population served can be all inclusive in one of the systems, and may not be separated by individual system. The location of each county is shown in figure 6.

Table 7. Alachua County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; SJRWMD, St. Johns River Water Management District; Ut., Utility; STP, Sewage treatment plant; MHP, mobile home park; I, Industrial wastewater system; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Alachua, city of	3101M02780	D	SRWMD	4,000	0.34	Ground	Spray field
Arrendondo Village	3101P03555	D	SJRWMD	710	0.02	Ground	Percolation pond
Brittany Estates	3101P03378	D	SRWMD	372	0.03	Surface	Little Hatchet Creek
Gainesville Regional Ut. STP #1	3101M00222	D	SJRWMD	45,000	4.74	Surface	Sweetwater Creek
Gainesville Regional Ut. STP #5	3101M01665	D	SJRWMD	66,600	7.92	Ground	Injection well
Newberry, city of	3101M06080	D	SRWMD	1,600	0.21	Ground	Spray field
Turkey Creek Utilities	3101P00170	D	SRWMD	688	0.06	Ground	Spray field
University of Florida	3101S00709	D	SJRWMD	N/A	1.44	Surface	Lake Alice
Waldo, city of	3101M01663	D	SRWMD	790	0.05	Surface	Wetland
Westgate MHP	3101P01819	D	SRWMD	275	0.02	Ground	Percolation pond
Gates Energy Products	3101P03076	I	SRWMD		0.60	Surface	Cellon Creek

Table 8. Baker County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; FDOC, Florida Department of Corrections; D, Domestic wastewater system; N/A, data not available; SRWMD, Suwannee River Water Management District; SJRWMD, St. Johns River Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
FDOC: Baker Correctional	3102S00165	D	SRWMD	N/A	0.16	Ground	Percolation pond
Macclesney, city of	3102M01828	D	SJRWMD	2,500	0.51	Surface	Overland flow/Turkey Creek
Northeast Florida State Hospital	3102S00027	D	SJRWMD	N/A	0.14	Surface	Little St. Marys River

Table 9. Bay County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; WWTP, wastewater treatment plant; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District; STP, Sewage treatment plant; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bay County Regional WWTP	1003C02793	D	NFWFMD	50,000	26.15	Surface	St. Andrews Bay
Bay Point STP	1003P00098	D	NFWFMD	1,200	0.31	Ground	Reuse system
Derby Woods	1003P10673	D	NFWFMD	640	0.04	Ground	Percolation pond
Lynn Haven	1003M02745	D	NFWFMD	2,650	1.11	Surface	Beatty Bayou
Panama City Beach	1003M02216	D	NFWFMD	10,000	2.95	Surface	Ditch to West Bay
Panama City: St. Andrews STP	1003M00711	D	NFWFMD	10,000	2.41	Surface	St. Andrews Bay
Pinnacle Port Condominium	1003P00269	D	NFWFMD	850	0.08	Ground	Percolation pond
Pride Resorts	1003P03164	D	NFWFMD	N/A	0.02	Surface	Alligator Bayou
Shores STP	1003P00006	D	NFWFMD	125	0.02	Ground	Percolation pond
Sunnyside Beach Tennis Club	1003P04810	D	NFWFMD	N/A	0.02	Ground	N/A
US Navy: Coastal Systems Center	1003F16842	D	NFWFMD	N/A	0.12	Surface	St. Andrews Bay
Woodlawn STP	1003P01149	D	NFWFMD	N/A	0.05	Surface	St. Andrews Bay

Table 10. Bradford County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; N/A, data not available; FDOC, Florida Department of Corrections; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
FDOC: Florida State Prison	3104S03840	D	SRWMD	N/A	0.98	Surface	New River
FDOC: Lawtey Correctional	3104S05061	D	SRWMD	N/A	0.07	Surface	Unnamed ditch/New River
Starke, city of	3104M00715	D	SRWMD	6,500	0.97	Surface	Alligator Creek
El Dupont De Nemours	3104P00066	I	SRWMD		6.80	Surface	Alligator Creek

Table 11. Brevard County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; BCUD, Brevard County Utility Department; N/A, data not available; WWTP, wastewater treatment plant; MHP, mobile home park]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Aquarina Beach Community	3005P00330	D	SJRWMD	170	0.02	Ground	Drain field
Barefoot Bay	3005P03394	D	SJRWMD	2,200	0.81	Ground	Percolation pond/spray field
BCUD: Indian Harbour	3005C02320	D	SJRWMD	5,500	2.18	Ground	N/A
BCUD: Merritt Island WWTP	3005C01839	D	SJRWMD	52,000	2.42	Ground	Injection well
BCUD: North Brevard WWTP	3005C00439	D	SJRWMD	N/A	0.23	Ground	Percolation pond
BCUD: Port St John	3005P04012	D	SJRWMD	N/A	0.16	Ground	Percolation pond/spray field
BCUD: South Beaches	3005C02330	D	SJRWMD	17,500	5.53	Ground	Injection well
					2.87	Ground	Reuse system
BCUD: South Central Regional	3005C01639	D	SJRWMD	N/A	0.45	Ground	Spray field
BCUD: Suntree	3005C05125	D	SJRWMD	5,000	0.48	Ground	Percolation pond
BCUD: South Patrick WWTP	3005C02319	D	SJRWMD	N/A	1.70	Ground	Percolation pond
Cape Canaveral, city of	3005M01158	D	SJRWMD	5,300	0.90	Surface	Banana River
Cocoa Beach, city of	3005M00413	D	SJRWMD	12,000	1.54	Surface	Banana River
					1.59	Ground	Reuse system
Cocoa, city of	3005M01167	D	SJRWMD	4,764	2.47	Surface	Indian River
Colony Park Trailer Park	3005P02593	D	SJRWMD	N/A	0.04	Ground	Percolation pond
Great Outdoors, The	3005P03381	D	SJRWMD	N/A	0.03	Ground	Reuse system
Kennedy Space Center	3005F00104	D	SJRWMD	N/A	0.18	Ground	Percolation pond
Kennedy Space Center (10 East)	3005F03096	D	SJRWMD	N/A	0.03	Ground	Percolation pond
Kennedy Space Center (10 West)	3005F00217	D	SJRWMD	N/A	0.04	Ground	Percolation pond
Kennedy Space Center (Number 1)	3005F00103	D	SJRWMD	N/A	0.12	Ground	Percolation pond
Lakes of Melbourne MHP	3005P00313	D	SJRWMD	1,235	0.05	Ground	Percolation pond
Melbourne: David B. Lee WWTP	3005M00200	D	SJRWMD	26,350	3.70	Ground	Injection well
Melbourne: Grant Street WWTP	3005M00201	D	SJRWMD	47,950	2.70	Ground	Injection well
					0.18	Ground	Reuse system
Northgate MHP	3005P01164	D	SJRWMD	300	0.02	Ground	Percolation pond
Palm Bay, city of	3005M02462	D	SJRWMD	N/A	0.37	Ground	Reuse system
Port Malabar	3005P02746	D	SJRWMD	12,309	2.79	Ground	Injection well
Rockledge, city of	3005M00302	D	SJRWMD	11,500	1.68	Ground	Injection well
Sun Lake Estates	3005P00377	D	SJRWMD	500	0.03	Ground	Percolation pond
Titusville: North WWTP	3005M00336	D	SJRWMD	16,700	2.24	Surface	Indian River
Titusville: South WWTP	3005M01162	D	SJRWMD	24,096	1.59	Surface	Indian River
US Air Force: Patrick (Capehart)	3005F00128	D	SJRWMD	N/A	0.59	Surface	Banana River
					0.15	Ground	Reuse system
US Air Force: Patrick (North STP)	3005F00135	D	SJRWMD	N/A	0.60	Surface	Banana River
US Air Force: Cape Canaveral (Main)	3005F00582	D	SJRWMD	N/A	0.38	Surface	Banana River
West Melbourne, city of	3005M02329	D	SJRWMD	13,000	1.82	Ground	Injection well

Table 12. Broward County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; WWTP, wastewater treatment plant; D, Domestic wastewater system; SFWMD, South Florida Water Management District; Reg., Regional; Ft., Fort; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Broward County: North Reg. WWTP	5006C10220	D	SFWMD	400,000	63.27	Surface	Atlantic Ocean
Century Village/Pembroke Pines	5006P00054	D	SFWMD	11,625	0.89	Ground	Injection well
Cooper City East	5006P00468	D	SFWMD	N/A	0.75	Surface	Atlantic Ocean (1)
Cooper City West	5006P00469	D	SFWMD	12,600	1.21	Surface	Atlantic Ocean (1)
Coral Springs Improvement District	5006M10371	D	SFWMD	20,000	3.42	Ground	Injection well.
Davie, town of (WWTP #2)	5006P05488	D	SFWMD	5,021	1.90	Surface	Atlantic Ocean (1)
Ferncrest Utilities	5006P02315	D	SFWMD	6,000	0.27	Ground	Percolation pond
Ft. Lauderdale: G.T.Lohmeyer WWTP	5006M02066	D	SFWMD	200,000	33.97	Ground	Injection well
Hollywood, city of	5006M02307	D	SFWMD	180,000	35.67	Surface	Atlantic Ocean
Margate, city of	5006M01986	D	SFWMD	60,000	7.08	Ground	Injection well
Plantation, city of	5006P98285	D	SFWMD	49,807	8.78	Ground	Injection well
South Broward Utilities	5006P01422	D	SFWMD	N/A	0.40	Ground	Percolation pond
Sunrise: WWTP #1	5006M10601	D	SFWMD	50,000	7.35	Ground	Injection well
Sunrise: WWTP #2	5006M02003	D	SFWMD	14,480	2.67	Ground	Injection well
Sunrise: WWTP #3	5006M02004	D	SFWMD	30,000	3.39	Ground	Injection well

(1) - Discharged to the Atlantic Ocean through the City of Hollywood's system.

Table 13. Calhoun County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWMD, Northwest Florida Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Blountstown, city of	1007M02772	D	NFWMD	2,400	0.50	Surface	Sutton Creek

Table 14. Charlotte County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; SFWMD, South Florida Water Management District; FDOC, Florida Department of Corrections; GDU, General Development Utilities; WWTP, wastewater treatment plant]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Alligator Utilities	4008P06111	D	SWFWMD	730	0.02	Ground	Drain field
Burnt Store Utilities	4008P00462	D	SWFWMD	2,500	0.07	Ground	Percolation pond
Ebco Wastewater Incorporated	4008P01941	D	SWFWMD	500	0.02	Ground	Percolation pond
El Galeon Motel	4008P00377	D	SWFWMD	N/A	0.02	Ground	Drain field
FDOC: Charlotte Correctional	5208S00069	D	SFWMD	N/A	0.13	Ground	Percolation pond
GDU: Eastport WWTP	4008P00117	D	SWFWMD	12,000	1.55	Ground	Spray field
					0.21	Ground	Injection well
GDU: Southport WWTP	4008P00981	D	SWFWMD	13,213	0.68	Ground	Spray field/percolation pond
GDU: Westport WWTP	4008P00303	D	SWFWMD	3,300	0.16	Ground	Spray field/percolation pond
Punta Gorda WTP	4008M00419	D	SWFWMD	17,738	1.69	Surface	Myrtle Slough
Rampart Utilities	4008P05305	D	SWFWMD	2,170	0.20	Ground	Spray field/percolation pond
River Forest Village	4008P06189	D	SWFWMD	406	0.02	Ground	Percolation pond
Rotonda West WWTP	4008P01760	D	SWFWMD	2,500	0.36	Ground	Spray field/percolation pond
Sandalhaven	4008P00097	D	SWFWMD	1,500	0.02	Ground	Percolation pond
Sandhill Pines Condominiums	4008P00108	D	SWFWMD	526	0.02	Ground	Drain field
West Charlotte Utilities	4008P02579	D	SWFWMD	N/A	0.21	Ground	Percolation pond

Table 15. Citrus County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Beverly Hills Rolling Oaks	4009P00341	D	SWFWMD	2,600	0.48	Ground	Percolation pond
Brentwood	4009C10012	D	SWFWMD	1,000	0.08	Ground	Percolation pond
Citrus Center Shop Center	4009P10021	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Citrus Springs Utilities	4009P02863	D	SWFWMD	2,010	0.09	Ground	Percolation pond
Crystal River, City of	4009M10013	D	SWFWMD	6,000	0.72	Surface	Crystal River
Greenbriar of Citrus Hills	4009P10011	D	SWFWMD	295	0.08	Ground	Percolation pond
Inverness Village Condominiums	4009P00227	D	SWFWMD	220	0.02	Ground	Spray field
Inverness, city of	4009M10005	D	SWFWMD	8,307	0.58	Ground	Spray field
Islands Condominiums	4009P01351	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Lecanto School Complex	4009C00224	D	SWFWMD	N/A	0.04	Ground	Percolation pond
Meadowcrest	4009C10016	D	SWFWMD	400	0.04	Ground	Percolation pond
Plantation Hotel	4009P00209	D	SWFWMD	N/A	0.02	Ground	Spray field/reuse system
River Haven Village	4009P05958	D	SWFWMD	1,000	0.07	Ground	Percolation pond
Seven Rivers Hospital	4009P00222	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Sheraton Homosassa Inn	4009P01280	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Sugar Mill Woods Village	4009P05400	D	SWFWMD	1,200	0.25	Ground	Spray field

Table 16. Clay County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; STP, sewage treatment plant; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; N/A, data not available; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Green Cove Springs, city of	3110M00851	D	SJRWMD	4,432	0.78	Surface	St. Johns River
Kingsley Service:Fleming Island	3110P00281	D	SJRWMD	2,300	0.32	Surface	St. Johns River
Kingsley Service:Orange Park STP	3110P05475	D	SJRWMD	19,000	3.55	Surface	St. Johns River
Magnolia Springs Apartments	3110P00295	D	SJRWMD	750	0.05	Surface	N/A
Maverick Trails	3110P00398	D	SJRWMD	600	0.04	Ground	Spray field
Middleburg Senior High	3110C00226	D	SJRWMD	N/A	0.02	Ground	Percolation pond
Orange Park, town of	3110M01826	D	SJRWMD	16,366	1.15	Surface	St. Johns River
Park of the Palms	3110P02555	D	SJRWMD	750	0.02	Ground	Percolation pond
Penney Farms Retirement Center	3110P04730	D	SJRWMD	600	0.04	Surface	Black Creek
Reynolds Industrial Park	3110P01810	D	SJRWMD	N/A	0.04	Surface	St. Johns River
Ridaught Landing	3110P05520	D	SJRWMD	12,500	0.57	Surface	Little Black Creek
The Ravines	3110P00301	D	SJRWMD	500	0.02	Ground	Percolation pond
US Army: Camp Blanding STP	3110S02709	D	SJRWMD	N/A	0.34	Surface	Black Creek
EI Dupont De Nemours Company	3110P00067	I	SJRWMD		6.00	Surface	Black Creek
Paramount Hatchery-Cargill	3110P00298	I	SJRWMD		0.01	Ground	Spray field

Table 17. Collier County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; WWTP, wastewater treatment plant; RV, recreational vehicle; MHP, mobile home park]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bear's Paw Country Club	5211P00101	D	SFWMD	N/A	0.03	Ground	Percolation pond
Blue Skies Estates	5211P00820	D	SFWMD	300	0.02	Ground	Percolation pond
Caribbean Park	5211P02521	D	SFWMD	300	0.08	Ground	Percolation pond
Collier County: Foxfire WWTP	5211C00127	D	SFWMD	N/A	0.00	Ground	Reuse system/percolation pond
Collier County: Glades WWTP	5211P06010	D	SFWMD	3,500	0.83	Ground	Reuse system/percolation pond
Collier County: North WWTP	5211C01407	D	SFWMD	12,000	2.20	Ground	Reuse system/percolation pond
Collier County: Pelican Bay WWTP	5211P00109	D	SFWMD	5,000	0.80	Ground	Reuse system
Collier County: South (Lely) WWTP	5211P00303	D	SFWMD	12,000	1.34	Ground	Reuse system/percolation pond
Cricket Lane Apartments	5211P00117	D	SFWMD	300	0.02	Ground	Percolation pond
Everglades, city of	5211M00854	D	SFWMD	1,000	0.06	Surface	Lake Placid Canal
Florida Cities: Golden Gate WWTP	5211P01833	D	SFWMD	6,167	0.68	Ground	Percolation pond
Immokalee WWTP	5211C00102	D	SFWMD	15,000	1.57	Ground	Spray field
LA Peninsula MOR	5211P00321	D	SFWMD	515	0.02	Ground	Drain field
Lake San Marino RV Park	5211P10632	D	SFWMD	400	0.02	Ground	Percolation pond
Marco Island Utilities	5211P00304	D	SFWMD	18,713	2.30	Ground	Reuse system/percolation pond
Marco Shores Utilities	5211P00316	D	SFWMD	520	0.03	Ground	Percolation pond
Naples Estates	5211P02523	D	SFWMD	1,230	0.04	Ground	Percolation pond
Naples Industrial Park	5211P07040	D	SFWMD	N/A	0.02	Surface	N/A
Naples Mobile Estates	5211P04410	D	SFWMD	53	0.03	Ground	Percolation pond
Naples Plaza	5211P00140	D	SFWMD	N/A	0.02	Ground	Drain field
Naples, city of	5211M01188	D	SFWMD	30,000	2.20	Surface	Gordon River
					3.29	Ground	Reuse system
North Naples Utilities	5211P00394	D	SFWMD	400	0.08	Ground	Spray field
Port of the Islands South	5211P00307	D	SFWMD	N/A	0.03	Ground	Percolation pond
Rookery Bay Utilities	5211P00305	D	SFWMD	1,000	0.21	Ground	Percolation pond
Sandy Ridge Labor Camp	5211P02524	D	SFWMD	N/A	0.02	Ground	Percolation pond
Santa Barbara Landings	5211P00131	D	SFWMD	550	0.04	Ground	Percolation pond
Southwind MHP Village (East)	5211P00118	D	SFWMD	N/A	0.05	Ground	Percolation pond
Southwind MHP Village (West)	5211P00119	D	SFWMD	360	0.05	Ground	Percolation pond
Summerwind Apartments	5211P00091	D	SFWMD	1,000	0.06	Ground	Percolation pond
The Vineyards	5211P00312	D	SFWMD	932	0.05	Ground	Spray field
Timber Woods of Naples	5211P00137	D	SFWMD	N/A	0.02	Ground	Percolation pond
Treetops of Naples	5211P00826	D	SFWMD	448	0.03	Ground	Percolation pond
Windemere Services, Inc.	5211P00410	D	SFWMD	540	0.08	Ground	Percolation pond
Windstar Country Club	5211P00095	D	SFWMD	N/A	0.03	Ground	Spray field
Woodlake Condominiums	5211P00100	D	SFWMD	N/A	0.03	Ground	Percolation pond
World Tennis Club	5211P00401	D	SFWMD	N/A	0.03	Ground	Spray field/percolation pond

Table 18. Columbia County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Lake City, city of	3112M0806	D	SRWMD	10,000	1.69	Ground	Spray field

Table 19. Dade County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; MDWSA, Miami-Dade Water and Sewer Authority; WWTP, wastewater treatment plant]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Americana Village	5013P10073	D	SFWMD	N/A	0.05	Ground	Percolation pond
Cricket Club	5013P05941	D	SFWMD	N/A	0.07	Ground	Percolation pond
Homestead, city of	5013M03311	D	SFWMD	22,500	2.14	Ground	Percolation pond
Howard Johnson's Motor Lodge	5013P00102	D	SFWMD	N/A	0.03	Ground	Percolation pond
Kampground of America	5013P04417	D	SFWMD	N/A	0.02	Ground	N/A.
Krome Service Processing Center	5013F03213	D	SFWMD	N/A	0.06	Ground	Percolation pond
MDWSA: Central District WWTP	5013M00797	D	SFWMD	700,000	124.09	Surface	Atlantic Ocean
MDWSA: North District WWTP	5013M02271	D	SFWMD	400,000	85.09	Surface	Atlantic Ocean
MDWSA: South District WWTP	5013M04555	D	SFWMD	350,000	71.40	Ground	Injection well
Miller Lake Apartments	5013P15844	D	SFWMD	N/A	0.04	Ground	Percolation pond
Northgate Townhouses	5013P10578	D	SFWMD	N/A	0.03	Ground	Percolation pond
Pine Lake Mobile Home Park	5013P10028	D	SFWMD	N/A	0.15	Ground	Percolation pond
Quail Roost Mobile Home Park	5013P01229	D	SFWMD	N/A	0.19	Ground	Percolation pond

Table 20. De Soto County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; STP, sewage treatment plant; WWTP, wastewater treatment plant; FDOC, Florida Department of Corrections]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Arcadia Village	4014P10006	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Heron Pointe STP	4014P10007	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Arcadia: William Tyson WWTP	4014M00340	D	SWFWMD	7,500	0.91	Surface	Peace River
FDOC: De Soto Correctional	4014S00808	D	SWFWMD	N/A	0.09	Ground	Percolation pond
G. Pierce Wood Memorial Hospital	4014S02328	D	SWFWMD	N/A	0.06	Ground	Percolation pond

Table 21. Dixie County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; WWTP, wastewater treatment plant; SRWMD, Suwannee River Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Cross City: WWTP 1	3115M01815	D	SRWMD	1,350	0.11	Surface	Unnamed creek
Cross City: WWTP 2	3115M01505	D	SRWMD	1,650	0.15	Surface	Unnamed swamp

Table 22. Duval County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; WWTP, wastewater treatment plant; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; N/A, data not available; STP, sewage treatment plant; S/D, subdivision; JSU, Jacksonville Suburban Utilities; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Atlantic Beach, city of	3116M00473	D	SJRWMD	9,000	1.20	Surface	Intercoastal Waterway
Baldwin, town of	3116M06085	D	SJRWMD	1,320	0.13	Surface	St. Marys River tributary
Beaulerc Utilities: Brierwood	3116P00074	D	SJRWMD	N/A	0.48	Surface	Goodby's Lake
Buccaneer Water and Sewage	3116M00108	D	SJRWMD	2,100	0.77	Surface	St. Johns River
Holiday Harbour	3116P04576	D	SJRWMD	N/A	0.79	Surface	Hog Pen Creek
Jacksonville Beach, city of	3116M00293	D	SJRWMD	15,500	2.77	Surface	Pablo Creek
Jacksonville: Arlington WWTP	3116M00035	D	SJRWMD	50,000	4.72	Surface	St. Johns River
Jacksonville: Buckman WWTP	3116M01973	D	SJRWMD	250,000	30.76	Surface	St. Johns River
Jacksonville: District II WWTP	3116M01479	D	SJRWMD	N/A	2.70	Surface	St. Johns River
Jacksonville: Mandarin WWTP	3116M03343	D	SJRWMD	40,000	3.48	Surface	St. Johns River
Jacksonville: Southwest WWTP	3116M05144	D	SJRWMD	50,000	5.48	Surface	St. Johns River
JSU: Holly Oaks STP	3116P00901	D	SJRWMD	N/A	0.42	Surface	Cow Head Creek
JSU: Jacksonville Heights STP	3116P01970	D	SJRWMD	12,600	1.29	Surface	Fishing Creek
JSU: Monterey STP	3116P01316	D	SJRWMD	N/A	2.20	Surface	St. Johns River
JSU: Royal Lakes STP	3116P05360	D	SJRWMD	13,000	1.90	Surface	Pottsburg Creek
JSU: San Jose STP	3116P01471	D	SJRWMD	19,600	1.57	Surface	St. Johns River
Neptune Beach, city of	3116M00812	D	SJRWMD	6,425	0.86	Surface	Intercoastal Waterway
Ortega Utilities: Blanding Plant	3116P03428	D	SJRWMD	N/A	0.50	Surface	Ortega Creek
Riverside Plaza	3116P01027	D	SJRWMD	N/A	0.67	Surface	St. Johns River
Sothern States: Beacon Hills STP	3116P01328	D	SJRWMD	5,500	0.77	Surface	St. Johns River
Sothern States: Woodmere S/D	3116P02312	D	SJRWMD	N/A	0.43	Surface	Fairfield Branch
US Navy: Cecil Field	3116F00271	D	SJRWMD	N/A	0.62	Surface	Rowell Creek/Sal Taylor Creek
US Navy: Jacksonville NAS	3116F00260	D	SJRWMD	N/A	2.19	Surface	St. Johns River
US Navy: Mayport NAS	3116F00252	D	SJRWMD	N/A	1.29	Surface	Ribault Bay
US Navy: Mayport NAS (Bilge)	3116F02263	D	SJRWMD	N/A	0.04	Surface	St. Johns River
Amoco Oil Company	3116P05884	I	SJRWMD		0.02	Surface	St. Johns River
Jefferson Smurfit Corporation	3116P00098	I	SJRWMD		5.40	Surface	Ribault River
Reichold Chemicals Incorporated	3116P00459	I	SJRWMD		0.17	Surface	Cedar Creek
SCM, Organic Chemical	3116P01073	I	SJRWMD		1.30	Surface	Moncrief Creek
Union Camp Corporation	3116P00638	I	SJRWMD		2.90	Surface	St. Johns River

Table 23. Escambia County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; STP, sewage treatment plant; D, Domestic wastewater system; NFWWMD, Northwest Florida Water Management District; N/A, data not available; WWTP, wastewater treatment plant; MHP, mobile home park; NAS, Naval Air Station; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Azalea Trace STP	1017P10778	D	NFWWMD	100	0.07	Ground	Percolation pond
Bayou Grande Villas	1017P04915	D	NFWWMD	410	0.02	Surface	Canal to Bayou Grande
Century, town of	1017M04108	D	NFWWMD	4,110	0.45	Surface	Escambia River
Escambia County: Avondale STP	1017C02213	D	NFWWMD	20,000	0.99	Surface	Bayou Marcus Creek/ Perdido Bay
Escambia County: Cantonment WWTP	1017C72366	D	NFWWMD	2,100	0.23	Surface	Eleven Mile Creek
Escambia County: Main Street WWTP	1017M01012	D	NFWWMD	90,000	13.10	Surface	Pensacola Bay
Gulfside	1017P52791	D	NFWWMD	3,000	0.13	Ground	Percolation pond
Mariner STP	1017P01718	D	NFWWMD	140	0.02	Ground	Percolation pond
Moreno Courts	1017P02840	D	NFWWMD	2,100	0.08	Ground	Percolation pond
Navarre Beach STP	1017C10770	D	NFWWMD	1,250	0.16	Surface	Santa Rosa Sound
Pensacola Beach WWTP	1017P03109	D	NFWWMD	15,000	0.61	Surface	Santa Rosa Sound
Perdido Bay Inn and Resort STP	1017P03109	D	NFWWMD	N/A	0.13	Ground	Spray field/reuse system
Sandy Key STP	1017P45053	D	NFWWMD	200	0.02	Ground	Percolation pond
Scenic Hills STP	1017M01113	D	NFWWMD	10,000	0.43	Ground	Spray field
Sea Spray STP	1017P43595	D	NFWWMD	390	0.03	Ground	Absorption bed
Shipwatch Surf and Yacht Club	1017P37868	D	NFWWMD	N/A	0.02	Ground	Percolation pond
Silver Lake MHP Estates	1017P03961	D	NFWWMD	448	0.02	Surface	Eight Mile Creek
University of West Florida STP	1017S00546	D	NFWWMD	N/A	0.15	Surface	Swamphouse Slough/ Escambia River
US Navy: Pensacola NAS	1017F00625	D	NFWWMD	N/A	1.69	Surface	Pensacola Bay
US Navy: Saufley Field NAS	1017F43087	D	NFWWMD	N/A	0.06	Surface	Perdido Bay
Windward STP	1017P10774	D	NFWWMD	400	0.04	Ground	Percolation pond
Champion International	1017P00571	I	NFWWMD		21.48	Surface	Eleven Mile Creek/ Perdido Bay
Monsanto Company	1017P00580	I	NFWWMD		18.13	Surface	Escambia River
					2.04	Ground	Injection well

Table 24. Flagler County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; STP, sewage treatment plant; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Beverly Beach Surfside	3118P00475	D	SJRWMD	360	0.02	Surface	Intercoastal Waterway
Bulow KOA Kampground	3118P01798	D	SJRWMD	300	0.02	Ground	N/A
Bunnell, city of	3118M07027	D	SJRWMD	1,500	0.22	Surface	Haw Creek
Flagler Beach, city of	3118M00029	D	SJRWMD	3,500	0.56	Surface	Intercoastal Waterway
Hammock Dunes STP	3118P01900	D	SJRWMD	800	0.06	Ground	N/A
Marineland Incorporated	3118P04571	D	SJRWMD	N/A	0.02	Ground	Spray field
Matanzas Shores STP	3118P01011	D	SJRWMD	300	0.02	Ground	Percolation pond
Palm Coast Utilities	3118P01697	D	SJRWMD	13,000	1.62	Ground	Percolation pond/spray field
Plantation Bay	3118P00486	D	SJRWMD	324	0.03	Ground	Spray field/reuse system

Table 25. Franklin County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District; STP, sewage treatment plant]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Appalachicola, city of	1019M21704	D	NFWFMD	2,800	0.71	Surface	Whortleberry Creek
Carrabelle, city of	1019M19030	D	NFWFMD	700	0.15	Ground	Spray field
Eastpoint Water District	1019M19040	D	NFWFMD	150	0.08	Ground	Spray field
Lanark Village STP	1019M19050	D	NFWFMD	650	0.07	Ground	Spray field

Table 26. Gadsden County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District; N/A, data not available; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Chattahoochee, city of	1020M02034	D	NFWFMD	5,000	0.32	Surface	Mosquito Creek
Gretna, town of	1020M02884	D	NFWFMD	1,650	0.06	Surface	Telogia Creek
Havana, town of	1020M01080	D	NFWFMD	3,000	0.26	Surface	Womack Creek/Lake Talquin
Quincy, city of	1020M00212	D	NFWFMD	8,600	0.83	Surface	Quincy Creek
Florida State Hospital	1020S27430	D	NFWFMD	N/A	0.49	Surface	Mosquito Creek
Floridin Company (Quincy Mine)	1020P58610	I	NFWFMD		3.07	Surface	Holman Branch/Quincy Creek

Table 27. Gilchrist County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; FDOC, Florida Department of Corrections; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Trenton, city of	3121M02280	D	SRWMD	1,000	0.18	Ground	Percolation pond
FDOC: Lancaster Correction	3121S02730	D	SRWMD	N/A	0.05	Ground	Spray field

Table 28. Glades County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; STP, sewage treatment plant]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Benbow Village STP	5222P00324	D	SFWMD	400	0.03	Ground	Percolation pond
Okeelanta Labor Camp	5222P05674	D	SFWMD	N/A	0.02	Ground	N/A

Table 29. Gulf County treated wastewater discharge by facility, 1990.

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District, I, Industrial wastewater system; FDOC, Florida Department of Corrections; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Gulf Aire Subdivision	1023P29693	D	NFWFMD	200	0.02	Ground	Percolation pond
Port St Joe, city of	1023M01339	D	NFWFMD	4,718	31.60	Surface	Gulf County Canal/ St. Joseph Bay
Wewahitchka, city of	1023M04780	D	NFWFMD	2,000	0.15	Surface	Holmes Creek/Chipola River
Gulf Forestry FDOC: Camp	1023S02222	D	NFWFMD	N/A	0.27	Ground	Spray field.
Basic Incorporated	1023P01340	I	NFWFMD		11.25	Surface	Gulf County Canal/ St. Joseph Bay

Table 30. Hamilton County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Jasper, city of	3124M01838	D	SRWMD	3,000	0.49	Surface	Bells Creek
Jennings, city of	3124M10053	D	SRWMD	900	0.09	Ground	Spray field
White Springs, city of	3124M03485	D	SRWMD	1,148	0.10	Surface	Suwannee River
Packaging Corporation of America	3124P00101	I	SRWMD		16.65	Surface	Jumping Gully Creek/ Withlacoochee River

Table 31. Hardee County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; MHP, mobile home park; RV, recreational vehicle; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bowling Green, city of	4025M05615	D	SWFWMD	1,310	0.20	Surface	Peace River tributary
Peace River Heights STP	4025P00605	D	SWFWMD	450	0.02	Ground	Percolation pond
Wauchula, city of	4025M00323	D	SWFWMD	4,310	0.76	Surface	Peace River
Zolfo Springs STP	4025M00324	D	SWFWMD	1,600	0.11	Ground	Spray field
Crystal Lake MHP/RV Village	4025P02850	D	SWFWMD	N/A	0.02	Ground	Percolation pond

Table 32. Hendry County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; WWTP, wastewater treatment plant; N/A, data not available; FDOC, Florida Department of Corrections]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Clewiston, city of	5226M00403	D	SFWMD	13,000	1.58	Ground	Spray field/Percolation pond
Labelle WWTP #1	5226M00388	D	SFWMD	700	0.14	Ground	Spray field
Port Labelle WWTP	5226P00323	D	SFWMD	750	0.13	Ground	Percolation pond
FDOC: Hendry Correctional	5226S00324	D	SFWMD	N/A	0.24	Ground	Spray field/Percolation pond
Saunders Labor Camp	5226P05801	D	SFWMD	N/A	0.05	Ground	Spray field
Berry Citrus Products	5226P02002	I	SFWMD		0.28	Ground	Spray field
US Sugar Corporation: Clewiston	5226P04758	I	SFWMD		8.27	Ground	Percolation pond

Table 33. Hernando County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; STP, sewage treatment plant; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Berkeley Manor Subdivision	4027P10001	D	SWFWMD	2,214	0.20	Ground	Percolation pond
Brookridge	4027C04684	D	SWFWMD	7,800	0.20	Ground	Spray field/percolation pond
Brooksville: Croom Road STP	4027M01341	D	SWFWMD	7,000	0.24	Ground	Percolation pond
Brooksville: School Street STP	4027M01343	D	SWFWMD	1,700	0.52	Ground	Percolation pond
Hernando Airport Industrial Park	4027C00148	D	SWFWMD	N/A	0.07	Ground	Percolation pond
Hernando Elementry/High School	4027C10554	D	SWFWMD	N/A	0.03	Ground	Percolation pond
High Point Subdivision	4027C02033	D	SWFWMD	N/A	0.22	Ground	Percolation pond
Hill-N-Dale Subdivision STP	4027C10302	D	SWFWMD	600	0.10	Ground	Percolation pond
Holiday Inn Weeki Wachee	4027P02030	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Ridge Manor West	4027C02097	D	SWFWMD	446	0.08	Ground	Percolation pond
Royal Highlands (Heather)	4027C04839	D	SWFWMD	4,000	0.09	Ground	Spray field/percolation pond
Spring Hill Utilities	4027P00475	D	SWFWMD	1,257	0.84	Ground	Spray field/percolation pond
Wesleyan Village	4027P10552	D	SWFWMD	100	0.02	Ground	Percolation pond
West Hernando: Hernando Beach STP	4027C05554	D	SWFWMD	2,000	0.13	Ground	Spray field/percolation pond
West Hernando: Weeki Wachee STP	4027C00024	D	SWFWMD	2,500	0.12	Ground	Spray field
Whispering Oaks	4027P10004	D	SWFWMD	N/A	0.02	Ground	Percolation pond

Table 34. Highlands County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; WPCF, water pollution control facility; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; MHP, mobile home park; S/D, subdivision; N/A, data not available; STP, sewage treatment plant; Ut., Utility; Blvd., Boulevard; SFWMD, South Florida Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Avon Park WPCF	4028M00805	D	SWFWMD	12,000	0.74	Ground	Rapid infiltration basin
Buttonwood Bay MHP	4028P00503	D	SWFWMD	613	0.05	Ground	Percolation pond
Clearview Terrace	4028P07018	D	SWFWMD	200	0.03	Ground	Percolation pond
Crystal Lake Golf Club	4028P00321	D	SWFWMD	352	0.03	Ground	Percolation pond
Francis Mobile Estates #2	4028P05498	D	SWFWMD	800	0.05	Ground	Percolation pond
Harder Hall S/D	4028P00232	D	SWFWMD	600	0.02	Ground	Spray field/reuse system
Highlands Ut.: Pugh STP (1)	4028P00862	D	SWFWMD	1,200	0.03	Ground	Percolation pond
Highlands Ut.: Western Blvd. STP	4028P00021	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Maranatha Village	4028P06128	D	SWFWMD	100	0.02	Ground	Percolation pond
Parmer Utilities	4028P05873	D	SWFWMD	800	0.03	Ground	Percolation pond
Placid Utilities Company	4028P00022	D	SWFWMD	800	0.06	Ground	Percolation pond
Sebring Airport Authority	5228C03463	D	SFWMD	N/A	0.02	Ground	Percolation pond
Sebring Ridge Utilities	4028P00504	D	SWFWMD	1,778	0.04	Ground	Percolation pond
Sebring, city of	4028M00229	D	SWFWMD	2,500	0.95	Ground	Percolation pond
Serenity S/D (Lake Placid)	4028P00506	D	SWFWMD	2,850	0.04	Ground	Percolation pond
Sun-N-Lake Estates of Sebring	4028P06086	D	SWFWMD	3,500	0.20	Ground	Percolation pond
Sun-N-Lakes of Lake Placid	4028P05519	D	SWFWMD	1,250	0.02	Ground	Percolation pond
Thunderbird Hill S/D	4028P00234	D	SWFWMD	900	0.03	Ground	Percolation pond
Tropical Harbor MHP	4028P03014	D	SWFWMD	250	0.03	Ground	Percolation pond
Walker Memorial Hospital	4028P00011	D	SWFWMD	N/A	0.02	Ground	Percolation pond

Table 35. Hillsborough County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; WWTP, wastewater treatment plant; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; S/D, subdivision; MHP, mobile home park; FDOC, Florida Department of Corrections; Hills., Hillsborough; PH, phase; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Apollo Beach WWTP - 1	4029C00107	D	SWFWMD	5,000	0.30	Ground	Spray field
Apollo Beach WWTP - 2	4029C10865	D	SWFWMD	N/A	0.12	Ground	Spray field
Bellamy Road	4029P10079	D	SWFWMD	N/A	0.05	Ground	Percolation pond
Bloomington Hills	4029P10108	D	SWFWMD	N/A	0.03	Ground	Spray field
Bloomington Villas S/D	4029P10032	D	SWFWMD	N/A	0.02	Ground	Drain field
Boyette Springs	4029P10043	D	SWFWMD	N/A	0.10	Ground	Percolation pond
Carrollwood S/D	4029P00839	D	SWFWMD	3,636	0.37	Surface	Canal A/Sweetwater Creek
Charleston Landings	4029P10030	D	SWFWMD	N/A	0.07	Ground	Percolation pond
Country Meadows Golden Lakes	4029P10009	D	SWFWMD	2,266	0.11	Ground	Spray field/percolation pond
Daynam MHP	4029P03388	D	SWFWMD	N/A	0.07	Ground	Percolation pond
East Bay High School	4029C00321	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Eastwood Estates	4029P01475	D	SWFWMD	N/A	0.02	Ground	Percolation pond
FDOC: Hillsborough Correctional Facility	4029S01677	D	SWFWMD	N/A	0.05	Ground	Spray field/percolation pond
Featherock MHP	4029P04196	D	SWFWMD	800	0.04	Ground	Percolation pond
Florida Light and Life	4029P06038	D	SWFWMD	650	0.02	Ground	Spray field/Percolation pond
Groves North	4029C01597	D	SWFWMD	2,150	0.16	Ground	N/A
Harmony Ranch	4029P05612	D	SWFWMD	200	0.02	Ground	Percolation pond
Hawaiian Isles MHP	4029P10666	D	SWFWMD	800	0.05	Ground	Percolation pond
Heather Lakes WWTP	4029P10041	D	SWFWMD	N/A	0.10	Ground	Percolation pond
Hills. County: Dale Mabry WWTP	4029C00142	D	SWFWMD	50,000	5.38	Surface	Brushy Creek
Hills. County: Falkenburg WWTP	4029C10050	D	SWFWMD	40,000	2.89	Surface	Palm River/Tampa Bypass Canal
Hills. County: Progress WWTP	4029P00385	D	SWFWMD	2,940	0.23	Surface	Archie Creek
Hills. County: River Oaks WWTP	4029C02963	D	SWFWMD	40,737	7.06	Surface	Canal A
Hills. County: South Region WWTP	4029C01502	D	SWFWMD	8,000	1.21	Ground	Spray field
Hills. County: Valrico WWTP	4029C10847	D	SWFWMD	10,000	1.21	Surface	Turkey Creek
Lakeshore Villas	4029P04904	D	SWFWMD	420	0.05	Ground	Percolation pond
Lamplighter MHP	4029P01480	D	SWFWMD	961	0.07	Ground	Percolation pond
Mulrennon Groves S/D	4029P10027	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Oakview Estates S/D	4029P10769	D	SWFWMD	700	0.04	Ground	Percolation pond
Pebble Creek Village	4029P00093	D	SWFWMD	1,000	0.17	Ground	Spray field
Plant City, city of	4029M02024	D	SWFWMD	30,104	3.34	Surface	Baker/Mill/Pemberton Creeks
Providence Lakes PH II	4029P10066	D	SWFWMD	N/A	0.06	Ground	Percolation pond
Providence Lakes S/D	4029P10028	D	SWFWMD	N/A	0.08	Ground	Percolation pond
Purity Farms WWTP	4029P10123	D	SWFWMD	N/A	0.05	Surface	North Archie Creek
Rice Creek Utility Company	4029P05610	D	SWFWMD	173	0.22	Ground	Percolation pond
Riverwalk MHP	4029P02559	D	SWFWMD	400	0.03	Ground	Percolation pond
Seaboard Utilities Corporation	4029P00386	D	SWFWMD	8,544	0.92	Ground	Spray field/percolation pond
Sherwood Forest	4029P10017	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Strawberry Ridge WWTP	4029P00145	D	SWFWMD	288	0.02	Ground	Spray field
Summerfield Subregional PH I	4029P10083	D	SWFWMD	N/A	0.11	Ground	Spray field
Tampa Suburban Interim	4029C10443	D	SWFWMD	N/A	0.52	Ground	Spray field/percolation pond
Tampa: Hookers Point WWTP	4029M03950	D	SWFWMD	335,000	52.52	Surface	Hillsborough Bay
Twin Oaks Laundry	4029P20083	D	SWFWMD	N/A	0.07	Ground	Percolation pond
US Air Force: Macdill Air Base	4029F00140	D	SWFWMD	N/A	0.80	Surface	Hillsborough Bay
Valrico Hills WWTP	4029P10765	D	SWFWMD	1,000	0.06	Ground	Percolation pond
Valrico Station	4029P10072	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Van Dyke Resource Venture	4029P10031	D	SWFWMD	N/A	0.39	Ground	Percolation pond
Wal Mart Shopping Center	4029P10035	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Windemere (Scarecrow Utilities)	4029P00125	D	SWFWMD	2,600	0.12	Ground	Percolation pond
CF Industries-Plant City	4029P20023	I	SWFWMD		0.43	Surface	Big Ditch
Chevron USA	4029P20115	I	SWFWMD		0.02	Surface	Tampa Bay
Crystals International	4029P20030	I	SWFWMD		1.82	Surface	Westside Canal
Florida Sno-Man, Incorporated	4029P20081	I	SWFWMD		0.76	Surface	Unnamed ditch
Gardiner, Incorporated	4029P20038	I	SWFWMD		0.98	Surface	Alafia River

Table 35. Hillsborough County treated wastewater discharge by facility, 1990 --Continued

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; WWTP, wastewater treatment plant; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; S/D, subdivision; MHP, mobile home park; FDOC, Florida Department of Corrections; Hills., Hillsborough; PH, phase; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
IMC Fertilizer: Hopewell Mine	4029P20044	I	SWFWMD		0.88	Surface	Pleasant Grove Reservoir
Nitram Incorporated	4029P20054	I	SWFWMD		0.51	Surface	Delaney Creek
Trademark Nitrogen	4029P20048	I	SWFWMD		0.06	Surface	Six Mile Creek

Table 36. Holmes County treated wastewater discharge by utility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWMD, Northwest Florida Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bonifay, city of	1030M04317	D	NFWMD	2,600	0.66	Surface	Camp Branch/Holmes Creek

Table 37. Indian River County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; STP, sewage treatment plant; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; MHP, mobile home park; IRC, Indian River County Utilities; WWTP, wastewater treatment plant; N/A, data not available; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Countryside of Vero Beach STP-2	3031P00171	D	SJRWMD	1,200	0.10	Ground	Percolation pond
Fellsmere Community Housing	3031P04719	D	SJRWMD	500	0.02	Ground	Drain field
Heritage Village MHP	3031P02533	D	SJRWMD	650	0.06	Ground	Percolation pond
IRC: Gifford WWTP	3031C00183	D	SJRWMD	3,650	0.41	Ground	Percolation pond/spray field
IRC: Laurelwood STP	3031P03105	D	SJRWMD	1,000	0.08	Ground	Percolation pond
IRC: North Regional WWTP	3031C03321	D	SJRWMD	N/A	N/A	Ground	Reuse system
IRC: Pelican Pointe WWTP	3031P00009	D	SJRWMD	370	0.02	Ground	Drain field
IRC: Sea Oaks STP	3031P00008	D	SJRWMD	N/A	0.04	Ground	Spray field
IRC: Vista Gardens STP	3031P00007	D	SJRWMD	800	0.06	Ground	Mosquito impoundment
IRC: Vista Royale STP	3031P05055	D	SJRWMD	3,800	0.17	Ground	Mosquito impoundment
IRC: West Regional WWTP	3031C00527	D	SJRWMD	3,140	0.43	Ground	Percolation pond/spray field
New Horizons MHP	3031P05232	D	SJRWMD	328	0.03	Ground	Percolation pond
Sebastian Highlands STP	3031P03280	D	SJRWMD	2,500	0.10	Ground	Percolation pond.
Vero Beach Highlands STP	3031P03106	D	SJRWMD	N/A	0.28	Ground	Percolation pond
Vero Beach, city of	3031M03103	D	SJRWMD	23,500	2.72	Surface	Indian River
Whispering Palms STP-1	3031P03102	D	SJRWMD	600	0.03	Surface	Indian River
Hercules: Pectin Facility	3031P00083	I	SJRWMD		0.25	Surface	Indian River

Table 38. Jackson County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District; FDOC, Florida Department of Corrections; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Cottondale, city of	1032M04678	D	NFWFMD	600	0.06	Surface	Caney Pond
FDOC: A. Dozier School	1032S00742	D	NFWFMD	N/A	0.02	Surface	Ditch to Chipola River
Graceville, city of	1032M01349	D	NFWFMD	2,778	0.54	Surface	Holmes Creek tributary
Marianna, city of	1032M01351	D	NFWFMD	6,471	1.43	Surface	Chipola River
Sneads, town of	1032M01352	D	NFWFMD	1,500	0.31	Ground	Spray field
Union 76 Auto/Truck Stop	1032P00830	D	NFWFMD	N/A	0.04	Ground	Percolation pond

Table 39. Jefferson County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Monticello, city of	1033M02337	D	NFWFMD	2,898	0.53	Surface	Unnamed swamp/wetlands
Big Bend Truck Plaza	1033P10665	D	NFWFMD	N/A	0.02	Ground	Percolation pond

Table 40. Lafayette County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; FDOC, Florida Department of Correction; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Mayo, town of	3134M00302	D	SRWMD	1,000	0.05	Ground	Spray field
FDOC: Mayo Correctional Facility	3134S00424	D	SRWMD	N/A	0.07	Ground	Percolation pond

Table 41. Lake County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; MHP, mobile home park; N/A, data not available; R/V, recreational vehicle; FDOC, Florida Department of Corrections; STP, sewage treatment plant; WWTP, wastewater treatment plant; S/D, subdivision; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bonfire Mobile Home Village	3035P01952	D	SJRWMD	500	0.03	Ground	Spray field
Brittany Estates MHP	3035P02013	D	SJRWMD	213	0.03	Ground	Percolation pond
Chain-O-Lakes MHP	3035P01627	D	SJRWMD	250	0.03	Ground	Percolation pond
Citrus Valley Campground	3035P03773	D	SJRWMD	N/A	0.08	Ground	Percolation pond
Clerbrook R/V Resorts	3035P00327	D	SJRWMD	N/A	0.05	Ground	Percolation pond
Clermont, city of	3035M04870	D	SJRWMD	9,500	0.72	Ground	Spray field
Eustis, city of	3035M00920	D	SJRWMD	9,858	1.11	Ground	Percolation pond/spray field
FDOC: Lake Correctional Facility	3035S07045	D	SJRWMD	N/A	0.08	Ground	Spray field
Frozen Grove	3035P02292	D	SJRWMD	N/A	0.06	Ground	Percolation pond
Haselton Village MHP	3035P00026	D	SJRWMD	243	0.41	Ground	Percolation pond
Holiday Travel Resort	3035P07006	D	SJRWMD	N/A	0.04	Ground	Spray field
Lake Yale Baptist Assembly	3035P02016	D	SJRWMD	500	0.04	Ground	Percolation pond
Lake Yale Estates	3035P00471	D	SJRWMD	250	0.02	Ground	Percolation pond
Leesburg, city of	3035M00571	D	SJRWMD	11,000	2.44	Ground	Spray field/reuse system
Mid-Florida Lakes	3035P10486	D	SJRWMD	1,000	0.10	Ground	Spray field
Molokai MHP	3035P03826	D	SJRWMD	600	0.03	Ground	Percolation pond
Montverde STP	3035P03025	D	SJRWMD	792	0.04	Ground	Percolation pond
Mount Dora, city of	3035M02211	D	SJRWMD	15,000	0.83	Ground	Spray field/reuse system
Oak Springs MHP	3035P05052	D	SJRWMD	1,150	0.06	Ground	Percolation pond
Orange Blossom Gardens STP	3035P00914	D	SJRWMD	4,000	0.34	Ground	Reuse system
Orlando Vacation Resorts	3035P10004	D	SJRWMD	N/A	0.02	Ground	Percolation pond
Plantation at Leesburg	3035P00600	D	SJRWMD	960	0.02	Ground	Percolation pond
Scottish Highlands	3035P00312	D	SJRWMD	174	0.05	Ground	Percolation pond
Sunlake Estates	3035P00109	D	SJRWMD	1,000	0.07	Ground	Percolation pond
Sunshine Parkway	3035P10451	D	SJRWMD	N/A	0.07	Ground	Percolation pond
Tavares: Woodlea Road WWTP	3035M02342	D	SJRWMD	7,000	0.31	Ground	Percolation pond
Tavares: WWTP	3035M03317	D	SJRWMD	5,500	0.55	Ground	Percolation pond
Umatilla, city of	3035M00463	D	SJRWMD	3,000	0.18	Ground	Percolation pond/spray field
Vacation Village of Florida	3035P01638	D	SJRWMD	N/A	0.02	Ground	Spray field
Valencia Terrace S/D	3035P03026	D	SJRWMD	728	0.05	Ground	Percolation pond
Water Oaks Estates	3035P00172	D	SJRWMD	3,054	0.08	Ground	Spray field
Wekiva Falls Resorts	3035P00379	D	SJRWMD	N/A	0.03	Ground	Percolation pond
Golden Gem Growers: Umatilla	3035P01021	I	SJRWMD		0.13	Ground	Spray field.
Healthnet Services Incorporated	3035P02149	I	SJRWMD		0.05	Ground	Percolation pond
Silver Springs Citrus Co-Op	3035P00932	I	SJRWMD		0.38	Surface	Lake Harris

Table 42. Lee County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; WWTP, wastewater treatment plant; FDOC, Florida Department of Corrections; STP, sewage treatment plant; MHP, mobile home park; RV, recreational vehicle]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bonita Beach Club	5236P05031	D	SFWMD	N/A	0.04	Ground	Drain field
Brookshire Village	5236P00244	D	SFWMD	900	0.06	Ground	Drain field
Buccaneer Estates	5236P05517	D	SFWMD	1,960	0.11	Ground	Percolation pond
Cape Coral: Everest Parkway WWTP	5236M00818	D	SFWMD	15,000	6.22	Surface	Caloosahatchee River
Carriage Village	5236P02686	D	SFWMD	800	0.03	Ground	Percolation pond
Casa Bonita WWTP	5236P01919	D	SFWMD	550	0.02	Ground	Drain field
Century 21 Mobile Community	5236P05175	D	SFWMD	N/A	0.04	Ground	Percolation pond
Cherry Estates	5236P05904	D	SFWMD	1,000	0.05	Ground	Percolation pond
Citrus Park North	5236P00058	D	SFWMD	2,000	0.05	Ground	Percolation pond
Corkscrew Woodlands	5236P00268	D	SFWMD	1,440	0.03	Ground	Percolation pond
Cross Creek	5236P00100	D	SFWMD	2,065	0.11	Ground	Spray field
Cypress Bend RV Resort	5236P00237	D	SFWMD	N/A	0.02	Ground	Percolation pond
Del Tura Country Club	5236P00610	D	SFWMD	N/A	0.15	Ground	Spray field
Diversified Centers	5236P00284	D	SFWMD	N/A	0.02	Ground	Drain field
Eagle Ridge WWTP	5236P00090	D	SFWMD	2,000	0.15	Ground	Spray field
FDOC: Gulf Coast Center	5236S00283	D	SFWMD	N/A	0.07	Ground	Percolation pond
Fiddlesticks Country Club	5236P00067	D	SFWMD	N/A	0.03	Ground	Reuse system
Florida Cities: Fiesta STP	5236P02687	D	SFWMD	15,000	1.11	Surface	Caloosahatchee River
					0.60	Ground	Reuse system
Florida Cities: Waterway STP	5236P01630	D	SFWMD	10,800	0.82	Surface	Caloosahatchee River
Forest Park MHP	5236P01477	D	SFWMD	500	0.04	Ground	Percolation pond
Forest Utilities	5236P00059	D	SFWMD	250	0.30	Ground	Reuse system
Fort Myers: South WWTP	5236M00479	D	SFWMD	20,000	5.85	Surface	Caloosahatchee River
Fort Myers: Central WWTP	5236M02191	D	SFWMD	30,000	6.11	Surface	Caloosahatchee River
Fountain Lakes	5236P05539	D	SFWMD	990	0.07	Ground	Spray field/percolation pond
Gasparilla Island	5236P03361	D	SFWMD	2,750	0.27	Ground	Injection well
Gulf Pines Subdivision	5236P01463	D	SFWMD	300	0.03	Ground	Percolation pond
Gulf Utility: San Carlos STP	5236P00563	D	SFWMD	3,000	0.16	Ground	Reuse system
Gulf Utility: Three Oaks STP	5236P00126	D	SFWMD	4,000	0.11	Ground	Spray field
Gumbo Limbo Enterprises	5236P06084	D	SFWMD	232	0.05	Ground	Percolation pond
Hacienda Village	5236P00180	D	SFWMD	705	0.05	Ground	Drain field
Horizon Mobile Village	5236P00050	D	SFWMD	1,252	0.04	Ground	Percolation pond
Imperial Bonita Estates - 1	5236P06090	D	SFWMD	1,150	0.03	Ground	Percolation pond
Imperial Bonita Estates - 2	5236P00143	D	SFWMD	480	0.02	Ground	Percolation pond
Imperial Harbor	5236P05327	D	SFWMD	540	0.04	Ground	Percolation pond
Iona Lakes STP	5236P00114	D	SFWMD	950	0.07	Ground	Percolation pond
Jamaica Bay West	5236P04869	D	SFWMD	2,830	0.16	Ground	Percolation pond
King's Crown Condominium	5236P00075	D	SFWMD	648	0.03	Ground	Drain field
Lake Arrowhead Village, East	5236P05652	D	SFWMD	1,115	0.02	Ground	Percolation pond
Lake Fairways	5236P00039	D	SFWMD	1,800	0.11	Ground	Spray field
Lazy Days Mobile Village	5236P03780	D	SFWMD	420	0.04	Ground	N/A
Lee County: Fort Myers Beach	5236M01544	D	SFWMD	15,000	2.42	Ground	Reuse system
Lee County: Jetport STP	5236C00842	D	SFWMD	1,500	0.07	Ground	Reuse system
Lee County: Matlacha District STP	5236C00044	D	SFWMD	1,500	0.07	Ground	Percolation pond
Lehigh Utilities WWTP	5236P00617	D	SFWMD	11,000	1.19	Ground	Percolation pond
Mana Christian	5236P00266	D	SFWMD	100	0.04	Ground	Percolation pond
North Fort Myers Utilities	5236P00249	D	SFWMD	6,000	0.13	Ground	Reuse system
					0.08	Ground	Injection well
Peppertree Pointe	5236P01482	D	SFWMD	416	0.05	Ground	Percolation pond
Pine Island Cove	5236P00178	D	SFWMD	20	0.03	Ground	Percolation pond
Pinebrook Lakes	5236P20004	D	SFWMD	N/A	0.05	Ground	Percolation pond
Punta Rassa Condominiums	5236P00048	D	SFWMD	N/A	0.07	Ground	Drain field
River Trails MHP	5236P05790	D	SFWMD	1,000	0.05	Ground	Percolation pond

Table 42. Lee County treated wastewater discharge by facility, 1990 --Continued

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; WWTP, wastewater treatment plant; FDOC, Florida Department of Corrections; STP, sewage treatment plant; MHP, mobile home park; RV, recreational vehicle]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Rivers Edge	5236P00108	D	SFWMD	450	0.05	Ground	Percolation pond
Riverwoods Plantation RV	5236P00624	D	SFWMD	N/A	0.03	Ground	Percolation pond
San Souci Lakes - North	5236P00010	D	SFWMD	N/A	0.04	Ground	Percolation pond
San Souci Lakes - South	5236P05366	D	SFWMD	N/A	0.04	Ground	Percolation pond
Sanibel Bayous Utilities	5236P00774	D	SFWMD	600	0.05	Ground	Percolation pond
Sanibel Sewer Systems - 4	5236P00922	D	SFWMD	10,000	0.56	Ground	Reuse system
Six Lakes MHP	5236P01514	D	SFWMD	1,400	0.07	Ground	Percolation pond
South Seas Plantation	5236P10636	D	SFWMD	1,600	0.27	Ground	Spray field/absorption bed
Spanish Wells	5236P00028	D	SFWMD	627	0.03	Ground	N/A
Spring Creek Village	5236P04409	D	SFWMD	200	0.03	Ground	Percolation pond
Springs Environmental Systems	5236P00012	D	SFWMD	4,000	0.07	Ground	Reuse system
Springs Plaza	5236P06089	D	SFWMD	120	0.05	Ground	Percolation pond
Tamiami Village Utility	5236P03418	D	SFWMD	1,500	0.09	Ground	Percolation pond
Three S Disposal	5236P05751	D	SFWMD	683	0.03	Surface	N/A
Vanderbilt Lakes	5236P00065	D	SFWMD	1,446	0.08	Ground	N/A
Windmill Village	5236P03088	D	SFWMD	800	0.04	Ground	Percolation pond

Table 43. Leon County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWMD, Northwest Florida Water Management District; N/A, data not available; STP, sewage treatment plant; WWTP, wastewater treatment plant; TEC, Talquin Electric Cooperative]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Lake Bradford Estates	1037P02352	D	NFWMD	175	0.03	Ground	N/A
Tallahassee: Airport STP	1037M02346	D	NFWMD	N/A	0.04	Ground	Spray field
Tallahassee: Lake Bradford STP	1037M02343	D	NFWMD	23,000	4.19	Ground	Spray field
Tallahassee: T. P. Smith WWTP	1037M01160	D	NFWMD	100,000	11.79	Ground	Reuse system
TEC: Kilearn Lakes STP	1037P97824	D	NFWMD	875	0.08	Ground	Percolation pond
TEC: Lakewood Area STP	1037P37080	D	NFWMD	2,000	0.19	Ground	Percolation pond
TEC: Meadows STP	1037P04577	D	NFWMD	700	0.05	Ground	Percolation pond

Table 44. Levy County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; SFWMD, Southwest Florida Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Cedar Key, city of	3138M07010	D	SRWMD	1,000	0.07	Surface	Tidal Channel/Gulf of Mexico
Chiefland, city of	3138M05274	D	SRWMD	2,000	0.17	Ground	Percolation pond
Williston, city of	3138M01891	D	SFWMD	2,000	0.30	Ground	Percolation pond

Table 45. Liberty County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; FDOC, Florida Department of Corrections; NFWFMD, Northwest Florida Water Management District; D, Domestic wastewater system; N/A, data not available; Inc. Incorporated; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
FDOC: Liberty Correctional	1039S03369	D	NFWFMD	N/A	0.11	Ground	N/A
Timber Energy Resources Inc.	1039P00957	I	NFWFMD		N/A	Surface	Telogia Creek.

Table 46. Madison County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Madison, city of	3140M01811	D	SRWMD	3,960	0.63	Surface	Dry Drainage Ditch

Table 47. Manatee County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; WWTP, wastewater treatment plant; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bradenton, city of	4041M00757	D	SWFWMD	60,000	3.79	Surface	Manatee River
Christian Retreat Campground	4041P02228	D	SWFWMD	N/A	0.04	Ground	Percolation pond
Manatee County: North WWTP	4041C10009	D	SWFWMD	10,000	1.06	Ground	Spray field/reuse system
Manatee County: Southeast WWTP	4041C10011	D	SWFWMD	10,000	1.32	Ground	Percolation pond/reuse system
Manatee County: Southwest WWTP	4041C10159	D	SWFWMD	90,000	11.57	Ground	Injection well
					5.01	Ground	Spray field/reuse system
Palmetto, City of	4041M00077	D	SWFWMD	14,000	1.17	Surface	Terra Ceia Bay
Piney Point	4041P02207	D	SWFWMD	N/A	0.03	Surface	N/A
Atlantic Fertilizer/Piney Point	4041P20001	I	SWFWMD		0.31	Surface	Bishops Harbor
Tropicana Products	4041P20011	I	SWFWMD		1.04	Surface	Manatee River

Table 48. Marion County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; STP, sewage treatment plant; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; N/A, data not available; SWFWMD, Southwest Florida Water Management District; FDOC, Florida Department of Corrections; MHP, mobile home park; GDU, General Development Utilities; WWTP, wastewater treatment plant]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bellevue, city of (STP-1)	3042M01876	D	SJRWMD	5,500	0.06	Ground	Percolation pond
Bellevue, city of (STP-2A)	3042M02812	D	SJRWMD	2,000	0.25	Ground	Percolation pond
Cedar Hills STP	3042P05139	D	SJRWMD	424	0.02	Ground	Percolation pond
Certified Grocers of Florida	3042P02565	D	SJRWMD	N/A	0.03	Ground	Percolation pond
Citrus Park Subdivision	3042P04826	D	SJRWMD	450	0.04	Ground	Spray field
Days Inn of Ocala	3042P00004	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Dunnellon, city of	3042M00008	D	SWFWMD	1,146	0.08	Surface	Rainbow River
					0.05	Ground	Spray field
FDOC: Marion Correctional	3042S00978	D	SJRWMD	N/A	0.30	Ground	Spray field
Foxwood Farms MHP	3042P00009	D	SWFWMD	N/A	0.03	Ground	Percolation pond
GDU: Silver Springs Shores	3042P06174	D	SJRWMD	12,000	0.61	Ground	Percolation pond/spray field
Holiday Inn West	3042P03246	D	SWFWMD	N/A	0.08	Ground	Percolation pond
Lindale MHP	3042P02129	D	SJRWMD	N/A	0.03	Ground	N/A
Marion Oaks Subdivision STP	3042P00017	D	SJRWMD	N/A	0.11	Ground	Percolation pond
Mid-Florida Hotels	3042P00020	D	SJRWMD	N/A	0.03	Ground	N/A
Oak Run	3042P10005	D	SWFWMD	N/A	0.16	Ground	Percolation pond
Oak Tree Village	3042P00026	D	SJRWMD	N/A	0.03	Ground	N/A
Ocala East Villas	3042P01605	D	SJRWMD	580	0.04	Ground	Percolation pond
Ocala, city of (WWTP-1)	3042M01125	D	SJRWMD	15,000	1.25	Ground	Reuse system
Ocala, city of (WWTP-2)	3042M03535	D	SJRWMD	30,000	3.03	Ground	Spray field
On Top of the World	3042P00037	D	SWFWMD	N/A	0.19	Ground	Percolation pond
Quality Inn	3042P06318	D	SJRWMD	N/A	0.04	Ground	Percolation pond
Rainbow Springs Country Club	3042P00019	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Rolling Greens MHP	3042P03314	D	SJRWMD	N/A	0.10	Ground	Percolation pond
Saddlebrook Club	3042P10002	D	SWFWMD	N/A	0.04	Ground	Percolation pond
Salt Springs Village	3042P00110	D	SJRWMD	1,200	0.04	Ground	Percolation pond
Silver Springs Attractions STP	3042P01925	D	SJRWMD	N/A	0.04	Ground	Spray field
South Forty Industrial Park	3042P01392	D	SWFWMD	N/A	0.02	Ground	Spray field
Spanish Oaks MHP	3042P02932	D	SJRWMD	930	0.04	Ground	Percolation pond
Tradwinds Village Subdivision	3042P00364	D	SWFWMD	N/A	0.03	Ground	Reuse system
White Oaks Trailer Park	3042P00028	D	SJRWMD	N/A	0.02	Ground	N/A

Table 49. Martin County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; FDOC, Florida Department of Corrections; STP, sewage treatment plant; WWTP, wastewater treatment plant; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Beacon 21 Condo Apartments	5143P10164	D	SFWMD	1,136	0.05	Ground	Percolation pond
Conquistador Condo Apartments	5143P00008	D	SFWMD	427	0.05	Ground	Reuse system
Eaglewood	5143P00070	D	SFWMD	575	0.04	Ground	Reuse system
FDOC: Martin Correctional	5143S00018	D	SFWMD	N/A	0.20	Ground	Percolation pond/reuse system
Fishermans Cove of Stuart	5143P00011	D	SFWMD	N/A	0.07	Ground	Percolation pond
Florida Evangelistic Assembly	5143P03170	D	SFWMD	N/A	0.04	Ground	Percolation pond
Fox Run Utilities	5143P00016	D	SFWMD	N/A	0.02	Ground	Drain field
Harbour Bay Plaza	5143P00023	D	SFWMD	N/A	0.02	Ground	Drain field
Holiday Inn - Green Turtle	5143P02106	D	SFWMD	N/A	0.04	Ground	Percolation pond
Hydratech Utilities	5143P03763	D	SFWMD	5,000	0.40	Ground	Percolation pond/reuse system
Indian River Point	5143P00006	D	SFWMD	330	0.02	Ground	Drain field
Indiantown Company Incorporated	5143P03291	D	SFWMD	4,500	0.41	Ground	Percolation pond
Jensen Park Estates	5143P00019	D	SFWMD	N/A	0.06	Ground	Percolation pond
Leilani Heights Utilities	5143P04764	D	SFWMD	1,131	0.14	Ground	Percolation pond
Martin County: Dixie Park STP	5143P00005	D	SFWMD	N/A	0.56	Ground	Percolation pond/reuse system
Martin County: North WWTP	5143C00319	D	SFWMD	N/A	0.19	Ground	Injection well
Martin Downs Utilities	5143P00059	D	SFWMD	N/A	0.30	Ground	Percolation pond
Miles Grant Condo	5143P02100	D	SFWMD	905	0.09	Ground	Reuse system
Ocean Breeze Park, town of	5143P02171	D	SFWMD	1,400	0.02	Ground	Percolation pond
Ocean Breeze Plaza	5143P00076	D	SFWMD	N/A	0.02	Ground	Percolation pond
Pinelake Village	5143P00041	D	SFWMD	630	0.04	Ground	Percolation pond
Pipers Landing	5143P00043	D	SFWMD	25	0.08	Ground	Reuse system
Radnor/Indian River Plantation	5143P00013	D	SFWMD	2,500	0.08	Ground	Reuse system
Sailfish Point	5143P00026	D	SFWMD	12,500	0.07	Ground	Reuse system
Sandpebble Beach Club	5143P00028	D	SFWMD	25	0.03	Ground	Drain field
Soundings Yacht and Tennis Club	5143P05661	D	SFWMD	N/A	0.03	Ground	Percolation pond
South River	5143P00040	D	SFWMD	25	0.04	Ground	Percolation pond
St. Lucie Falls STP	5143P00039	D	SFWMD	1,000	0.03	Ground	Percolation pond
St. Lucie Mobile Village	5143P04314	D	SFWMD	400	0.04	Ground	Percolation pond
Stuart, city of	5143M02114	D	SFWMD	11,396	1.24	Ground	Injection well
Vista Del Lago	5143P00667	D	SFWMD	1,295	0.07	Ground	Percolation pond
Caulkins-Indiantown Citrus	5143P01287	I	SFWMD		0.27	Surface	Unnamed Swamp

Table 50. Monroe County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; FDNR, Florida Department of Natural Resources; STP, sewage treatment plant; WWTP, wastewater treatment plant; MHP, mobile home park]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Blue Waters Trailer Village	5244P10696	D	SFWMD	N/A	0.03	Ground	Injection well
Buttonwood Bay Condominiums	5244P10476	D	SFWMD	N/A	0.03	Ground	Injection well
Calusa Camp Resort	5244P00129	D	SFWMD	N/A	0.02	Ground	Injection well
Days Inn of Marathon	5244P00144	D	SFWMD	N/A	0.02	Ground	Injection well
FDNR: John Pennycamp State Park	5244S03381	D	SFWMD	N/A	0.03	Ground	Injection well
Fiesta Key KOA	5244P03146	D	SFWMD	N/A	0.03	Ground	Injection well
Florida Bay Resort STP	5244P00240	D	SFWMD	N/A	0.02	Ground	Injection well
Florida Keys Memorial Hospital	5244M03705	D	SFWMD	N/A	0.02	Ground	Injection well
Galway Bay MHP	5244P10008	D	SFWMD	150	0.03	Ground	Injection well
Hawk's Cay Resort	5244P00124	D	SFWMD	N/A	0.05	Ground	Injection well
Howard Johnson's: Ilseamordia	5244P00041	D	SFWMD	N/A	0.02	Ground	Injection well
Howard Johnson's: Key Largo	5244P01031	D	SFWMD	N/A	0.02	Ground	Injection well/spray field
Key West Resort Utilities	5244P03384	D	SFWMD	N/A	0.14	Ground	Injection well
Kawama Yacht Club Condominiums	5244P06181	D	SFWMD	N/A	0.05	Ground	Injection well
Key Colony Beach STP	5244M03028	D	SFWMD	N/A	0.17	Surface	Bonefish Bay
Key Largo Ocean Resort	5244P04431	D	SFWMD	N/A	0.04	Ground	Injection well
Key Utilities	5244P00469	D	SFWMD	N/A	0.09	Ground	Injection well
Key West Hampton Inn	5244P01208	D	SFWMD	N/A	0.03	Ground	Injection well
Key West WWTP	5244M06172	D	SFWMD	42,487	6.62	Surface	Atlantic Ocean
Mariner's Hospital	5244P05471	D	SFWMD	N/A	0.03	Ground	Injection well
Ocean Reef Utility	5244P06177	D	SFWMD	N/A	0.61	Ground	Injection well
Outdoor Resorts at Long Key	5244P05732	D	SFWMD	N/A	0.03	Ground	Injection well
Silver Shores MHP	5244P05878	D	SFWMD	250	0.06	Ground	Injection well
Sunshine Key Travel Park	5244P00531	D	SFWMD	N/A	0.04	Ground	Injection well
The Landings of Largo	5244P00649	D	SFWMD	N/A	0.04	Ground	Injection well
The Sheraton Key Largo	5244P00152	D	SFWMD	N/A	0.06	Ground	Injection well
Travertine Towne Shops	5244P00198	D	SFWMD	N/A	0.04	Ground	Injection well
US Navy: Boca Chica STP	5244F00020	D	SFWMD	N/A	0.29	Surface	Gulf of Mexico
US Navy: Sigsbee Park STP	5244F00021	D	SFWMD	N/A	0.73	Surface	Gulf of Mexico
US Park Service: Flamingo STP	5244F00318	D	SFWMD	N/A	0.02	Ground	Percolation pond
Venture Out at Am-Cudjoe Key	5244P03339	D	SFWMD	N/A	0.04	Surface	Kemp Channel

Table 51. Nassau County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; STP, sewage treatment plant; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; FDOT, Florida Department of Transportation; N/A, data not available; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Amelia Island Plantation STP	3145P04522	D	SJRWMD	6,000	0.35	Ground	Spray field/reuse system
Callahan, town of	3145M01840	D	SJRWMD	3,000	0.16	Surface	Alligator Creek
Fernandina Beach, city of	3145M01839	D	SJRWMD	10,000	1.62	Surface	Amelia River
FDOT: I-95 Welcome Station	3145S05838	D	SJRWMD	N/A	0.03	Ground	Percolation pond
Hilliard, town of	3145M05954	D	SJRWMD	1,330	0.18	Ground	Spray field
Marsh Cove Apartments	3145P05923	D	SJRWMD	500	0.03	Surface	Wetlands/Amelia River
Container Corporation of America	3145P00251	I	SJRWMD		15.30	Surface	Amelia River
ITT Rayonier Incorporated	3145P00018	I	SJRWMD		14.60	Surface	Amelia River

Table 52. Okaloosa County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; STP, sewage treatment plant; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District; N/A, data not available; FDOC, Florida Department of Corrections; WWTP, wastewater treatment plant; MHP, mobile home park; AFB, Air Force Base]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Bluewater STP	1046C00537	D	NFWFMD	N/A	0.24	Ground	Percolation pond
Chateau Pres De La Mer STP	1046C03200	D	NFWFMD	574	0.05	Ground	N/A
Crestview Industrial Park	1046C00831	D	NFWFMD	200	0.02	Ground	N/A
Crestview, city of	1046M03023	D	NFWFMD	6,466	1.03	Surface	Trammel Creek/Yellow River
Destin Water Users Incorporated	1046P01503	D	NFWFMD	3,630	1.60	Ground	N/A
FDOC: Okaloosa Correctional	1046S35991	D	NFWFMD	N/A	0.13	Ground	Spray field
Fort Walton Beach, city of	1046M02809	D	NFWFMD	23,500	3.27	Ground	Spray field
Mary Esther, town of	1046M02809	D	NFWFMD	3,850	0.65	Ground	Spray field
Niceville-Valparaiso Regional STP	1046C05903	D	NFWFMD	16,630	1.69	Ground	Spray field
Okaloosa County WWTP	1046C05897	D	NFWFMD	33,000	3.87	Ground	N/A
Okaloosa County: Stephenson STP	1046C02761	D	NFWFMD	N/A	N/A	Ground	Percolation pond
Sun States Utilities	1046P88879	D	NFWFMD	2,000	0.03	Ground	Absorption beds
US Air Force: Eglin AFB Field 3	1046F05900	D	NFWFMD	N/A	0.05	Ground	Spray field
US Air Force: Eglin AFB Field 6	1046F33163	D	NFWFMD	N/A	0.03	Ground	Percolation pond
US Air Force: Eglin AFB Main STP	1046F44022	D	NFWFMD	N/A	0.61	Ground	Spray field
US Air Force: Eglin AFB Plew STP	1046F44030	D	NFWFMD	N/A	0.90	Ground	Spray field
US Air Force: Hurlburt Field	1046F05901	D	NFWFMD	N/A	0.46	Ground	N/A
Victoria MHP	1046P02289	D	NFWFMD	257	0.04	Ground	Percolation pond
Woodland Park Estates	1046P91944	D	NFWFMD	1,267	0.03	Ground	Percolation pond

Table 53. Okeechobee County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; FDOT, Florida Department of Transportation; SJRWMD, St. Johns River Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Eckerd Youth Foundation	5147S02873	D	SFWMD	N/A	0.04	Ground	N/A
FDOT: Fort Drum Service Area	5147S03084	D	SJRWMD	N/A	0.01	Ground	Percolation pond
Okeechobee, city of	5147M02922	D	SFWMD	4,140	0.33	Ground	Reuse system/spray field

Table 54. Orange County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; SFWMD, South Florida Water Management District; WWTP, wastewater treatment plant; STP, sewage treatment plant; MHP, mobile home park; S/D, subdivision; FDOT, Florida Department of Transportation; OCPUD, Orange County Public Utility Division; I/D, improvement district]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Apopka, city of	3048M01915	D	SJRWMD	4,400	1.11	Ground	Spray field/ reuse system
Audubon Village MHP	3048P00338	D	SJRWMD	N/A	0.03	Ground	Percolation pond
Brightwood Manor STP	3048P10548	D	SJRWMD	141	0.03	Ground	Percolation pond
Camino Real STP	3048P00521	D	SFWMD	3,500	0.26	Ground	Percolation pond
Chalet North MHP	3048P00190	D	SJRWMD	1,191	0.07	Ground	Percolation pond
Colony Plaza Hotel STP	3048P02700	D	SJRWMD	N/A	0.03	Ground	Percolation pond
Fairways MHP Village	3048P00112	D	SJRWMD	200	0.13	Ground	Percolation pond/reuse system
FDOT: Turkey Lake Service Area	3048S00427	D	SFWMD	N/A	0.03	Ground	Percolation pond
Gulfstream MHP, STP	3048P00311	D	SJRWMD	1,000	0.07	Ground	Percolation pond
Marriott Hotel STP	3048P00410	D	SFWMD	N/A	0.22	Ground	Reuse system
Ocoee: STP number 1	3048M10756	D	SJRWMD	800	0.08	Ground	Percolation pond
Ocoee: STP number 2	3048M00280	D	SJRWMD	10,000	0.65	Ground	Percolation pond
OCPUD: Cypress Walk	3048C00335	D	SFWMD	4,900	0.53	Ground	Reuse system
OCPUD: Easterly WWTP	3048C00334	D	SJRWMD	50,000	5.64	Surface	Wetlands/Econlockhatchee River
OCPUD: Meadow Woods STP	3048P00341	D	SFWMD	10,000	0.28	Ground	Spray field/reuse system
OCPUD: Northwest Service Area	3048C02172	D	SJRWMD	22,000	2.16	Ground	Percolation pond
OCPUD: Pepper Mill STP	3048C00187	D	SJRWMD	5,000	0.50	Ground	Percolation pond
OCPUD: Plymouth Hills S/D	3048P03042	D	SJRWMD	210	0.02	Ground	Percolation pond
OCPUD: Sand Lake Road WWTP	3048C01767	D	SFWMD	106,000	12.52	Ground	Reuse system
OCPUD: Vistana STP	3048C04638	D	SFWMD	6,000	0.22	Ground	Percolation pond
OCPUD: Windemere Downs STP	3048C02877	D	SFWMD	964	0.06	Ground	Percolation pond
Orlando: Conserv I (STP)	3048M00341	D	SJRWMD	31,500	3.63	Ground	Percolation pond
Orlando: Conserv II (Ribs)	3048C00449	D	SJRWMD	N/A	21.34	Ground	Reuse system
Orlando: Iron Bridge WWTP	3048M00591	D	SJRWMD	77,000	13.28	Surface	Wetlands/Econlockhatchee River
Orlando: McLeod Road STP	3048M00107	D	SFWMD	77,000	12.50	Ground	Reuse system
Park Manor Estates	3048P02218	D	SJRWMD	4,900	0.26	Surface	Wetlands/Econlockhatchee River
Reedy Creek I/D	3048P00009	D	SFWMD	N/A	7.40	Ground	Percolation pond
Rock Springs MHP	3048P01863	D	SJRWMD	1,200	0.10	Ground	Percolation pond
Sheraton: Orlando Airport	3048P00189	D	SJRWMD	N/A	0.07	Ground	Percolation pond
Silver Star MHP	3048P01917	D	SJRWMD	450	0.05	Ground	Percolation pond
Star Light Ranch MHP	3048P01624	D	SJRWMD	1,560	0.13	Ground	Percolation pond
The Groves MHP	3048P01233	D	SJRWMD	800	0.07	Ground	Percolation pond
The Palms MHP	3048P01418	D	SJRWMD	N/A	0.07	Ground	Percolation pond
University of Central Florida	3048S00470	D	SJRWMD	N/A	0.19	Ground	Reuse system
University Shores STP - 2	3048P00417	D	SJRWMD	5,000	0.51	Ground	Percolation pond
University Shores WWTP - 1	3048P02944	D	SJRWMD	2,750	0.12	Surface	Little Econlockhatchee River
University Village MHP	3048P00164	D	SJRWMD	400	0.04	Ground	Percolation pond
Wedgfield S/D	3048P03712	D	SJRWMD	768	0.08	Ground	Percolation pond/reuse system
Winter Garden, city of	3048M01387	D	SJRWMD	20,000	1.08	Ground	Percolation pond
Winter Park, city of	3048M02580	D	SJRWMD	35,000	5.39	Ground	Reuse system
Woodlands Apartments	3048P00374	D	SJRWMD	260	0.03	Ground	Percolation pond
Yogi Bear's Jellystone: Apopka	3048P00775	D	SJRWMD	N/A	0.04	Ground	Percolation pond
Yogi Bear's Jellystone: I-4 (2)	3048P00581	D	SFWMD	N/A	0.03	Ground	Percolation pond
Yogi Bear's Jellystone: number 1	3048P03257	D	SJRWMD	N/A	0.04	Ground	Percolation pond
Yogi Bear's Jellystone: US 192	3048P00433	D	SJRWMD	N/A	0.03	Ground	Percolation pond
Zellwood Station STP	3048P01438	D	SJRWMD	1,300	0.08	Ground	Percolation pond

Table 55. Osceola County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; STP, sewage treatment plant; MHP, mobile home park; Ind., Industrial]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Buenaventure Lakes STP	3049P00029	D	SFWMD	15,000	1.30	Ground	Spray field/reuse system
Captain Kidd STP	3049P00007	D	SFWMD	N/A	0.08	Ground	Percolation pond
Cypress Cove MHP	3049P04348	D	SFWMD	900	0.04	Ground	Percolation pond
Good Samaritan Retirement	3049P00032	D	SFWMD	1,800	0.14	Ground	Spray field/reuse system
Harbour Oaks STP	3049P10080	D	SFWMD	105	0.03	Ground	Percolation pond
Kings Point Enterprises	3049P06013	D	SFWMD	N/A	0.04	Ground	Percolation pond
Kissimmee: Camelot STP	3049P01433	D	SFWMD	N/A	0.45	Ground	Percolation pond/spray field
Kissimmee: Parkway STP	3049P02182	D	SFWMD	N/A	0.30	Ground	Spray field/reuse system
Kissimmee: South Bermuda STP	3049M02665	D	SFWMD	32,800	3.76	Ground	Percolation pond/spray field
Kissimmee: Western STP	3049P10239	D	SFWMD	N/A	1.35	Ground	Percolation pond
KOA Kampground	3049P06247	D	SFWMD	N/A	0.04	Ground	Percolation pond
Orlando Hyatt House Hotel	3049P06245	D	SFWMD	N/A	0.20	Ground	Spray field
Orlando Regency Inn	3049P00999	D	SFWMD	N/A	0.04	Ground	Percolation pond
Pleasant Hill MHP	3049P01857	D	SFWMD	220	0.02	Ground	Percolation pond
Poinciana Utilities: Ind. Park	3049P00010	D	SFWMD	N/A	0.08	Ground	Percolation pond
Poinciana Utilities: STP - 2	3049P01553	D	SFWMD	4,750	0.49	Ground	Spray field
Poinciana Utilities: STP - 5	3049P00488	D	SFWMD	N/A	0.50	Ground	Percolation pond
Siesta Lago MHP	3049P10282	D	SFWMD	1,175	0.07	Ground	Percolation pond
St. Cloud, city of	3049M00118	D	SFWMD	16,500	1.29	Ground	Spray field

Table 56. Palm Beach County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; WWTP, wastewater treatment plant; LRECD, Loxahatchee River Environmental Control District; N/A, data not available; PBCWU, Palm Beach County Water Utilities; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Acme Improvement District	5050P05378	D	SFWMD	15,000	1.38	Ground	Injection well
Belle Glade, city of	5050M00549	D	SFWMD	10,000	2.56	Surface	Hillsboro Canal
Boca Raton, city of	5050M00565	D	SFWMD	91,952	10.97	Surface	Atlantic Ocean
Cabana Colony	5050P06001	D	SFWMD	2,140	0.35	Ground	Percolation pond
East Central Regional WWTP	5050M00240	D	SFWMD	266,667	35.84	Ground	Injection well
LRECD: Encon WWTP	5050M62456	D	SFWMD	N/A	0.48	Ground	Injection well
	5050M01284	D	SFWMD	40,000	2.39	Ground	Reuse system
Pahokee, city of	5050M00787	D	SFWMD	10,000	1.07	Ground	Injection well
PBCWU: System 3 WWTP	5050C00217	D	SFWMD	12,000	2.44	Ground	Injection well
PBCWU: System 5 WWTP	5050C00220	D	SFWMD	2,723	0.31	Ground	Percolation pond
PBCWU: System 9N WWTP	5050P05660	D	SFWMD	N/A	4.96	Ground	Injection well
PBCWU: System 9S WWTP	5050P05650	D	SFWMD	N/A	2.73	Ground	Injection well
Royal Palm Beach Village	5050P05898	D	SFWMD	8,732	1.21	Ground	Injection well
Seacoast Utilities: Anchorage	5050P04269	D	SFWMD	25,500	2.13	Surface	Earman River
Seacoast Utilities: PGA Blvd.	5050P07066	D	SFWMD	26,000	1.29	Ground	Percolation pond/spray field
South Bay, city of	5050M05522	D	SFWMD	3,700	0.61	Surface	North New River Canal
South Central Regional (Delray)	5050M00060	D	SFWMD	200,000	13.57	Surface	Atlantic Ocean
Pratt/Whitney STP 1	5050P00286	I	SFWMD		0.12	Ground	N/A
Pratt/Whitney Test STP 2	5050P00289	I	SFWMD		0.02	Surface	N/A
Pratt/Whitney (United Technology)	5050P02469	I	SFWMD		0.35	Ground	N/A
Quaker Oats Company	5050P06111	I	SFWMD		0.69	Ground	Injection well

Table 57. Pasco County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; MHP, mobile home park; FDOC, Florida Department of Corrections; S/D, subdivision; WWTP, wastewater treatment plant; STP, sewage treatment plant; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Aloha Utilities: Aloha Gardens	4051P00129	D	SWFWMD	3,500	0.38	Surface	Percolation pond
Aloha Utilities: Seven Springs	4051P00349	D	SWFWMD	9,260	0.55	Ground	Percolation pond
Club Wildwood MHP	4051P05865	D	SWFWMD	N/A	0.07	Ground	Percolation pond
Colony Cove	4051P05584	D	SWFWMD	1,120	0.03	Ground	Percolation pond
Dade City, city of	4051M00079	D	SWFWMD	4,300	0.74	Surface	Withlacoochee River
Deer Park	4051C00375	D	SWFWMD	2,500	0.63	Ground	Percolation pond
FDOC: Zephyrhills Correctional	4051S00353	D	SWFWMD	N/A	0.06	Ground	Percolation pond/spray field
Forest Hills Utilities	4051P01231	D	SWFWMD	3,000	0.17	Ground	Percolation pond/spray field
Hacienda Village	4051P05829	D	SWFWMD	810	0.68	Ground	Percolation pond
Jasmine Lakes S/D	4051P01191	D	SWFWMD	N/A	0.21	Ground	Percolation pond
Lindrick Service Corporation	4051P00348	D	SWFWMD	N/A	0.49	Surface	Cross Bayou
Mad Hatter Ut.: Foxwood S/D	4051P00130	D	SWFWMD	387	0.15	Ground	Percolation pond
Mad Hatter Ut.: Turtle Lakes	4051P00343	D	SWFWMD	500	0.54	Ground	Percolation pond
Magnolia Valley	4051P01448	D	SWFWMD	N/A	0.29	Ground	Reuse system
New Port Richey, city of	4051C01276	D	SWFWMD	14,203	3.56	Surface	Cross Bayou
Orangewood Lakes MHP	4051P05602	D	SWFWMD	800	0.06	Ground	Percolation pond
Palm Terrace Gardens	4051P01846	D	SWFWMD	2,000	0.11	Ground	Percolation pond
Paradise Lakes	4051P00374	D	SWFWMD	579	0.05	Ground	Percolation pond
Pasco County: Cypress Manor	4051C00131	D	SWFWMD	514	0.03	Ground	Percolation pond
Pasco County: Embassy Hills	4051C10009	D	SWFWMD	10,000	3.03	Ground	Percolation pond/spray field
Pasco County: Hudson WWTP	4051C10049	D	SWFWMD	3,000	1.48	Ground	Percolation pond
Pasco County: Land-O-Lakes STP	4051P05425	D	SWFWMD	3,773	0.22	Ground	Percolation pond/spray field
Pasco County: River Ridge WWTP	4051M10023	D	SWFWMD	N/A	0.10	Ground	Percolation pond
Pasco County: Shady Hills WWTP	4051C15977	D	SWFWMD	N/A	0.05	Ground	Percolation pond/spray field
Pasco County: Southeast Pasco STP	4051C10048	D	SWFWMD	N/A	0.15	Ground	Percolation pond
Pasco County: Trout Creek	4051P10002	D	SWFWMD	N/A	0.05	Ground	Percolation pond/spray field
Pasco County: Wesley Chapel WWTP	4051P15973	D	SWFWMD	N/A	0.11	Ground	Reuse system
Saddlebrook Development	4051C06190	D	SWFWMD	2,500	0.20	Ground	Percolation pond
San Clemente East S/D	4051P00342	D	SWFWMD	500	0.04	Ground	Percolation pond
Sea Pines S/D	4051C10554	D	SWFWMD	N/A	0.14	Ground	Percolation pond
Senate Manor MHP	4051P01086	D	SWFWMD	1,528	0.08	Ground	Percolation pond
Shadow Ridge	4051C00362	D	SWFWMD	N/A	0.16	Ground	Percolation pond
St. Leo, town of	4051M05627	D	SWFWMD	1,250	0.05	Ground	Percolation pond
Summertree-Paradise Pointe	4051P05561	D	SWFWMD	1,660	0.06	Ground	Percolation pond
Tampa Downs-Quail Hollow	4051P07052	D	SWFWMD	1,000	0.13	Ground	Percolation pond
Timber Lakes Estates	4051P10017	D	SWFWMD	N/A	0.04	Ground	Percolation pond
Waters Edge	4051P10027	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Zephyrhills, city of	4051M01389	D	SWFWMD	12,000	0.96	Ground	Spray field
Lykes Pasco Incorporated	4051P20015	I	SWFWMD		10.17	Surface	Larsen Canal/ Withlacoochee River

Table 58. Pinellas County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; WWTP, wastewater treatment plant; N/A, data not available; S/D, subdivision; MHP, mobile home park; Co., County; STP, sewage treatment plant]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Belleair, town of	4052M00343	D	SWFWMD	4,200	0.49	Ground	Spray field
					0.15	Surface	Clearwater Bay
Clearwater: East WWTP	4052M00691	D	SWFWMD	33,787	0.15	Surface	Clearwater Bay
Clearwater: Marshall Street WWTP	4052M00692	D	SWFWMD	52,187	6.40	Surface	Stevenson Creek
Clearwater: Northeast WWTP	4052M05963	D	SWFWMD	41,344	5.21	Ground	Reuse system
					N/A	Surface	Tampa Bay
Curlew Groves S/D	4052P05626	D	SWFWMD	1,781	0.08	Ground	N/A
Dunedin: Mainland WWTP	4052M00489	D	SWFWMD	40,000	4.05	Surface	St. Joseph Sound
Dyna-Flo Service (Mid-County)	4052P01064	D	SWFWMD	N/A	0.64	Ground	N/A
Gateway MHP	4052P01072	D	SWFWMD	N/A	0.03	Ground	N/A
Largo, city of	4052M00750	D	SWFWMD	N/A	8.01	Surface	Tampa Bay
					2.00	Ground	Spray field
Oldsmar, city of	4052M00520	D	SWFWMD	8,000	1.08	Surface	Old Tampa Bay
On Top of the World	4052P01749	D	SWFWMD	N/A	0.36	Ground	N/A
Pinellas Co.: Cypress Run	4052C10001	D	SWFWMD	498	0.03	Ground	Spray field
Pinellas Co.: Eastlake Woodlands	4052P00888	D	SWFWMD	2,835	0.29	Ground	Reuse system
Pinellas Co.: McKay Creek	4052C00484	D	SWFWMD	39,494	4.30	Ground	Injection well
					0.00	Surface	Boca Ciega Bay
Pinellas Co.: North Pinellas	4052C05112	D	SWFWMD	41,442	3.59	Ground	Reuse system
Pinellas Co.: Pine Ridge WWTP	4052C10004	D	SWFWMD	1,749	0.15	Ground	Reuse system
Pinellas Co.: South Cross Bayou	4052C00092	D	SWFWMD	172,416	20.03	Ground	Injection well
					0.00	Surface	Joe's Creek
Safety Harbor, city of	4052M00106	D	SWFWMD	8,000	0.10	Ground	Percolation pond
St. Petersburg: Albert Whited STP	4052M00157	D	SWFWMD	49,119	3.64	Ground	Injection well
					4.42	Ground	Reuse system
St. Petersburg: Northeast STP	4052M00159	D	SWFWMD	74,476	5.71	Ground	Injection well
					4.67	Ground	Reuse system
St. Petersburg: Northwest STP	4052M00156	D	SWFWMD	81,126	4.46	Ground	Injection well
					7.36	Ground	Reuse system
St. Petersburg: Southwest STP	4052M00158	D	SWFWMD	93,726	6.64	Ground	Injection well
					4.82	Ground	Reuse system
Tarpon Lake Village	4052C10076	D	SWFWMD	3,621	0.15	Ground	N/A
Tarpon Springs, city of	4052M10007	D	SWFWMD	17,000	1.00	Surface	Anclotte River
					0.45	Ground	Reuse system
Tarpon Woods Golf & Tennis STP	4052C06066	D	SWFWMD	N/A	0.23	Ground	Injection well
Hercules, Incorporated	4052P20037	D	SWFWMD	N/A	0.10	Surface	N/A

Table 59. Polk County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; SFWMD, South Florida Water Management District; R/V, recreation vehicle; S/D, subdivision; WWTP, wastewater treatment plant; MHP, mobile home park; FDOC, Florida Department of Corrections; SJRWMD, St. Johns River Water Management District; STP, sewage treatment plant; Co., County; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Anglers Cove West	4053P03141	D	SWFWMD	N/A	0.06	Ground	Percolation pond
Auburndale, city of	4053M01748	D	SWFWMD	5,886	0.96	Surface	Lake Lena Run
Bartow, city of Main	4053M01098	D	SWFWMD	13,000	2.40	Ground	Reuse system
Bishop Gray Inn	4053P03126	D	SWFWMD	70	0.02	Ground	Percolation pond
Boardwalk and Baseball Park	4053P01762	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Carefree RV Country Club	4053P10007	D	SWFWMD	N/A	0.03	Ground	Reuse system
Crescent Estates	4053P05861	D	SWFWMD	100	0.03	Ground	Percolation pond
Crooked Lake Park S/D	4053P02436	D	SWFWMD	300	0.04	Ground	Percolation pond
Cypress Lakes WWTP	4053P10696	D	SWFWMD	N/A	0.03	Ground	Spray field
Dell Lake Village MHP	4053P03368	D	SWFWMD	100	0.03	Ground	Percolation pond
Evergreen MHP	4053P02806	D	SWFWMD	159	0.03	Ground	Percolation pond
Executive Estates	4053C10449	D	SWFWMD	505	0.03	Ground	Percolation pond
FDOC: Avon Park Correctional	4053S04670	D	SWFWMD	N/A	0.43	Surface	Arbuckle Creek
FDOC: Polk County Correctional	4053S00031	D	SWFWMD	N/A	0.26	Ground	Percolation pond
Fort Meade, city of	4053M00354	D	SWFWMD	5,250	0.41	Ground	Percolation pond
Frostproof, town of	4053M03001	D	SWFWMD	3,189	0.04	Ground	Percolation pond
Garden Grove Water: Cypresswood	4053P00022	D	SWFWMD	N/A	0.45	Ground	Percolation pond
Garden Grove Water: Pines	4053P02209	D	SWFWMD	N/A	0.09	Surface	Peace Creek
Grenelefe Golf and Racquet Resort	4053P01348	D	SWFWMD	N/A	0.32	Ground	Reuse system
Haines, city of	4053M01101	D	SWFWMD	7,594	0.96	Ground	Spray field/reuse system
Highland Apartments	4053P10029	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Holiday Inn: Disney World	4053C01391	D	SJRWMD	N/A	0.03	Ground	Percolation pond
Holiday Inn: Dunndee	4053P00641	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Lake Alfred, city of	4053M00693	D	SWFWMD	1,320	0.26	Surface	Lake Haines
Lake Gibson Estates	4053P02569	D	SWFWMD	8,600	0.06	Ground	Spray field
Lake Marianna Acres MHP	4053P01483	D	SWFWMD	350	0.05	Ground	Percolation pond
Lake Marianna Shores	4053P06156	D	SWFWMD	150	0.03	Ground	Percolation pond
Lake Region MHP Village	4053P03008	D	SWFWMD	1,100	0.06	Ground	Percolation pond
Lake Wales Country Club	4053P10006	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Lake Wales Utilities-Fedhaven	4053P02396	D	SFWMD	2,163	0.12	Surface	Weoyakapka Creek
Lake Wales, city of	4053M10684	D	SWFWMD	20,411	1.14	Surface	Lake Effie
Lakeland: Main WWTP	4053M02852	D	SWFWMD	50,000	8.20	Surface	Wetlands
Lakeland: Northside WWTP	4053M10793	D	SWFWMD	N/A	1.58	Ground	Spray field/percolation pond
Mulberry, city of	4053M02246	D	SWFWMD	5,000	0.31	Surface	Alaphia River
Orchid Springs S/D	4053P00015	D	SWFWMD	300	0.06	Ground	Reuse system
Outdoor Resorts at Orlando	4053P05148	D	SJRWMD	N/A	0.05	Ground	Percolation pond.
Poinciana Utilities: STP 5	3049P00488	D	SFWMD	1,180	0.08	Ground	Percolation pond
Poinciana Utilities: STP 3	3049P00406	D	SFWMD	N/A	0.25	Surface	Wetlands/Cypress Bayhead
Polk Co.: Central Regional WWTP	4053C10692	D	SWFWMD	N/A	0.13	Ground	Percolation pond
Polk Co.: Combeewood S/D	4053C02758	D	SWFWMD	N/A	0.05	Ground	Percolation pond
Polk Co.: Foxwood Lake Estates	4053C00042	D	SWFWMD	N/A	0.10	Ground	Percolation pond
Polk Co.: Heritage Place	4053C00008	D	SWFWMD	50	0.04	Ground	Percolation pond
Polk Co.: I-4 and US 27 South	4053C10688	D	SJRWMD	N/A	0.14	Ground	Percolation pond
Polk Co.: Imperial Lake	4053C02904	D	SWFWMD	2,000	0.66	Ground	Percolation pond
Polk Co.: Jan Phyl Village	4053C01102	D	SWFWMD	1,645	0.20	Ground	Percolation pond
Polk Co.: Meadowlands Regional	4053P10051	D	SWFWMD	N/A	0.04	Surface	Poley Creek
Polk Co.: Mt. Olive Heights	4053C02867	D	SWFWMD	N/A	0.03	Surface	Mud Lake
Polk Co.: Oakwood	4053C03091	D	SWFWMD	1,333	0.06	Surface	Lake Lena Run
Polk Co.: Padgett Estates	4053C10001	D	SWFWMD	250	0.04	Surface	Lake Gibson
Polk Co.: Palo Alto S/D	4053C02901	D	SWFWMD	N/A	0.04	Ground	Percolation pond

Table 59. Polk County treated wastewater discharge by facility, 1990 --Continued

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; SFWMD, South Florida Water Management District; R/V, recreation vehicle; S/D, subdivision; WWTP, wastewater treatment plant; MHP, mobile home park; FDOC, Florida Department of Corrections; SJRWMD, St. Johns River Water Management District; STP, sewage treatment plant; Co., County; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Polk Co.: Pines S/D	4053C00013	D	SWFWMD	508	0.03	Surface	Lake Lena Run
Polk Co.: Regal Inn-Four Corners	4053C02651	D	SWFWMD	N/A	0.07	Ground	Percolation pond
Polk Co.: US 27 and US 192	4053C10048	D	SJRWMD	400	0.03	Ground	Percolation pond
Polk Co.: Waverly WWTP	4053C10691	D	SWFWMD	N/A	0.04	Ground	Percolation pond
Polk Co.: Wilson Acres S/D	4053C10792	D	SWFWMD	450	0.03	Ground	Percolation pond
Red Carpet Inn	4053P00007	D	SWFWMD	N/A	0.03	Ground	Spray field/percolation pond
River Ranch Shores	4053P00003	D	SFWMD	N/A	0.04	Ground	Percolation pond
Skyview Utilities	4053P01070	D	SWFWMD	1,353	0.18	Ground	Spray field/percolation pond
Sundance MHP	4053P10057	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Sunlake Terrace Estates	4053P10060	D	SWFWMD	N/A	0.04	Ground	Spray field
Sunray Homes	4053C01274	D	SWFWMD	220	0.04	Ground	Percolation pond
Swiss Golf Club	4053P10039	D	SWFWMD	N/A	0.09	Ground	Percolation pond
Swiss Village MHP	4053P10038	D	SWFWMD	510	0.08	Ground	Percolation pond
Tower Manor MHP	4053P00130	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Towerwood	4053P10005	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Village Lakeland, The	4053P00977	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Village Water LTD	4053P06159	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Winter Haven MHP	4053P02201	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Winter Haven: Lake Conine WWTP	4053M00687	D	SWFWMD	12,000	0.81	Surface	Lake Conine
Winter Haven: Wahneta WWTP (#3)	4053M01349	D	SWFWMD	23,000	3.05	Surface	Peace Creek drainage canal
Adams Packing Association	4053P20000	I	SWFWMD		0.83	Surface	Lake Lena Run
Agrico Chemical: South Pierce	4053P20004	I	SWFWMD		2.17	Surface	Hookers Prairie
Citrus Hill/Frostproof	4053P20022	I	SWFWMD		0.83	Surface	Bear Branch
Coca-Cola: Auburndale	4053P20041	I	SWFWMD		1.43	Surface	Lake Lena Run
Coca-Cola: Lakeland	4053P20040	I	SWFWMD		0.14	Ground	Spray field
Combee Coin Laundry	4053P20043	I	SWFWMD		4.70	Surface	Saddle Creek
Conserv, Incorporated-Mulberry	4053P20044	I	SWFWMD		4.13	Surface	Thirty Mile Creek
CSX Transportation	4053P20113	I	SWFWMD		0.07	Surface	Winston Creek
Erly Juice, Incorporated	4053P20092	I	SWFWMD		10.42	Surface	Itchepackesa Creek
Florida Distillers Company	4053P20064	I	SWFWMD		0.52	Surface	Lake Swoope
Jacquín Distillers	4053P20087	I	SWFWMD		0.76	Surface	Lake Lena Run
Juice Bowl Products	4053P20089	I	SWFWMD		0.06	Surface	Unnamed ditch
Royster Chemical Company	4053P20111	I	SWFWMD		0.62	Surface	North Prong Alafia River
Seminole Fertilizer: Bartow	4053P20156	I	SWFWMD		2.82	Surface	North Prong Alafia River
W. R. Grace: Bartow Bear	4053P20132	I	SWFWMD		2.20	Surface	Bear Branch/Peace River

Table 60. Putnam County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; FDOC, Florida Department of Corrections, N/A, data not available, S/D, subdivision; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Crescent, city of	3154M01816	D	SJRWMD	1,100	0.14	Surface	Crescent Lake
FDOC: Putnam Correctional	3154S00442	D	SJRWMD	N/A	0.04	Surface	Mill Creek/St. Johns River
Palatka, city of	3154M01836	D	SJRWMD	12,500	2.27	Surface	St. Johns River
Sportsman Harbor S/D	3154P00076	D	SJRWMD	350	0.02	Surface	St. Johns River
Georgia-Pacific Corporation	3154P01424	I	SJRWMD		37.22	Surface	Rice Creek

Table 61. St. Johns County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; STP, sewage treatment plant; N/A, data not available; FDOT, Florida Department of Transportation; GDU, General Development Utilities; SJSC, St. Johns Service Company]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Anatasia Sanitary District	3155C00415	D	SJRWMD	11,100	1.09	Surface	Matanzas River
FDOT-I95 Rest Area (Durbin)	3155S00468	D	SJRWMD	N/A	0.01	Ground	N/A
FDOT-I95 Rest Area (St. Augustine)	3155S02634	D	SJRWMD	N/A	0.01	Ground	N/A
Fountains Condo STP	3155P05010	D	SJRWMD	400	0.03	Surface	Wetlands
GDU: Julington Creek STP	3155P00498	D	SJRWMD	100	0.01	Ground	Percolation pond
Hastings, town of	3155M00523	D	SJRWMD	500	0.11	Surface	Cracker Creek
North Beach Utilities	3155P00421	D	SJRWMD	876	0.04	Ground	Percolation pond
Ponte Vedra Utilities	3155P05998	D	SJRWMD	5,000	0.28	Ground	Spray field
Sawgrass STP	3155P03136	D	SJRWMD	5,000	0.33	Ground	Spray field
St. Augustine Shores Utilities	3155P00256	D	SJRWMD	5,400	0.26	Ground	Spray field
St. Augustine: STP - 1	3155M00939	D	SJRWMD	15,700	1.56	Surface	Matanzas River
St. Augustine: STP - 2	3155M00811	D	SJRWMD	N/A	0.44	Surface	Matanzas River
St. Johns North STP	3155P00425	D	SJRWMD	800	0.05	Ground	Percolation pond
SJSC: Inlet Beach	3155P00186	D	SJRWMD	5,000	0.23	Ground	Spray field
SJSC: Marsh Landing	3155P00491	D	SJRWMD	2,457	0.31	Ground	Spray field
SJSC: Players Club	3155P00634	D	SJRWMD	N/A	0.25	Ground	Spray field
Wesley Manor Retirement Village	3155P00368	D	SJRWMD	630	0.06	Surface	Julington Creek

Table 62. St. Lucie County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SFWMD, South Florida Water Management District; N/A, data not available; S/D, subdivision; WWTP, wastewater treatment plant; MHP, mobile home park; STP, sewage treatment plant; Cen., Center]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Atlantis Condominiums	5156P10005	D	SFWMD	505	0.04	Ground	Percolation pond
Bryn Mawr	5156P02571	D	SFWMD	1,450	0.04	Ground	Percolation pond
Fort Pierce Utility Authority	5156M03079	D	SFWMD	25,000	5.63	Surface	Indian River
Harbour Ridge	5156P00060	D	SFWMD	350	0.03	Ground	Reuse system
Holiday Out at St. Lucie	5156P03284	D	SFWMD	N/A	0.04	Ground	Percolation pond
Holiday Pines S/D	5156P00025	D	SFWMD	2,100	0.11	Ground	Percolation pond
Island Dunes	5156P00041	D	SFWMD	880	0.03	Ground	Reuse system
Islandia Condo	5156P00037	D	SFWMD	1,430	0.03	Ground	Percolation pond
North Hutchinson Services	5156P00030	D	SFWMD	1,900	0.05	Ground	Percolation pond/spray field
Ocean Towers-Island Village	5156P00008	D	SFWMD	500	0.04	Ground	Percolation pond
Oceana North WWTP	5156P03379	D	SFWMD	570	0.03	Ground	Drain field
Oceana South/Turtle Reef	5156P00028	D	SFWMD	700	0.03	Ground	Drain field
Port St. Lucie Convalescent Cen.	5156P00031	D	SFWMD	N/A	0.03	Ground	Percolation pond
Reserve Utility Corporation	5156P00018	D	SFWMD	430	0.04	Ground	Percolation pond
Sand Dollar North Condos	5156P00015	D	SFWMD	480	0.04	Ground	Drain field
Savanna Club	5156P00012	D	SFWMD	N/A	0.04	Ground	Percolation pond
Spanish Lakes Country Club	5156P00036	D	SFWMD	2,000	0.11	Ground	Percolation pond/drain field
Spanish Lakes East MHP	5156P02691	D	SFWMD	2,500	0.17	Surface	St. Lucie River
Spanish Lakes Fairways	5156P00521	D	SFWMD	3,160	0.04	Ground	Percolation pond/resuse system
Spanish Lakes Riverfront	5156P00019	D	SFWMD	N/A	0.06	Ground	Percolation pond
St. Lucie County: Northport	5156P03278	D	SFWMD	9,375	0.74	Ground	Injection well
St. Lucie County: Southport	5156P03163	D	SFWMD	7,540	1.26	Ground	Injection well
St. Lucie County: West STP	5156P00020	D	SFWMD	2,000	0.16	Ground	Percolation pond
St. Lucie West Utilities	5156P00386	D	SFWMD	6,600	0.08	Ground	Reuse system
Vista St. Lucie	5156P00046	D	SFWMD	924	0.06	Ground	Percolation pond
Windmill Village	5156P02159	D	SFWMD	N/A	0.07	Ground	Percolation pond

Table 63. Santa Rosa County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; FDOC, Florida Department of Corrections; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District; N/A, data not available; WWTP, wastewater treatment plant; S/D, subdivision; STP, sewage treatment plant; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
FDOC: Berrydale Forestry Camp	1057S07015	D	NFWFMD	N/A	0.02	Ground	N/A
Gulf Breeze, city of	1057M05959	D	NFWFMD	5,000	0.45	Surface	Santa Rosa Sound
Holley-Navarre WWTP	1057P02008	D	NFWFMD	N/A	0.06	Ground	Reuse system
Jay, town of	1057M01108	D	NFWFMD	1,011	0.04	Surface	Bray Mill Creek
Milton, city of	1057M02815	D	NFWFMD	8,379	1.27	Surface	Blackwater River
Santa Villa S/D	1057P02595	D	NFWFMD	1,200	0.09	Ground	Percolation pond
South Santa Rosa County	1057P02112	D	NFWFMD	6,000	0.54	Ground	Reuse system
Santa Rosa County Industrial Park	1057C33089	D	NFWFMD	N/A	0.02	Ground	N/A
US Navy: Whiting Field STP	1057F07017	D	NFWFMD	N/A	0.31	Surface	Clear Creek
Air Products and Chemicals	1057P06140	I	NFWFMD		0.74	Surface	Escambia Bay
American Cyanamid Company	1057P06136	I	NFWFMD		1.52	Surface	Escambia Bay
					0.95	Ground	Injection well

Table 64. Sarasota County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; STP, sewage treatment plant; GDU, General Development Utilities; MHP, mobile home park; S/D, subdivision; WWTP, wastewater treatment plant]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Atlantic Utilities: Brentwood	4058P02899	D	SWFWMD	7,000	0.67	Ground	Injection well
Beneva Nursing Pavilion	4058P10002	D	SWFWMD	N/A	0.02	Ground	N/A
Camelot Lakes	4058P00161	D	SWFWMD	342	0.11	Ground	Spray field/reuse system
Central County Utilities	4058P10022	D	SWFWMD	N/A	0.96	Ground	N/A
Circle Woods of Venice	4058P01007	D	SWFWMD	N/A	0.04	Ground	N/A
Dolomite Utilities: Fruitville	4058P10026	D	SWFWMD	N/A	0.14	Ground	N/A
Dolomite Utilities: Tri-Par STP	4058P02512	D	SWFWMD	2,200	0.23	Ground	Reuse system
Englewood Isles	4058P02047	D	SWFWMD	N/A	0.07	Ground	Percolation pond
Englewood Utilities: Foxwood	4058P10003	D	SWFWMD	N/A	0.04	Ground	N/A
Florida Cities: Gulf Gate	4058P01625	D	SWFWMD	N/A	2.48	Surface	Matheny Creek
Florida Cities: South Gate	4058P01626	D	SWFWMD	7,000	1.08	Surface	Phillippi Creek
GDU: Northport	4058P01264	D	SWFWMD	12,400	1.35	Ground	Injection well
Holiday Ventures at Englewood	4058P02910	D	SWFWMD	N/A	0.04	Ground	Percolation pond
Kensington Park: 27th Street	4058P10024	D	SWFWMD	N/A	0.09	Ground	Percolation pond/reuse system
Kensington Park: Monica	4058P00017	D	SWFWMD	5,926	0.23	Ground	Reuse system
Kings Gate Club	4058P00160	D	SWFWMD	N/A	0.04	Ground	Percolation pond
Lake Tippecanoe Condos	4058P01148	D	SWFWMD	N/A	0.04	Ground	N/A
Longwood Run Utilities	4058P10021	D	SWFWMD	N/A	0.08	Ground	Percolation pond
Meadowood Utilities	4058P00151	D	SWFWMD	1,000	0.50	Ground	Reuse system
Myakka Utilities	4058P01619	D	SWFWMD	2,300	0.10	Ground	Reuse system
Plantation STP	4058P00156	D	SWFWMD	N/A	0.12	Ground	N/A
Polynesian Village MHP	4058P02516	D	SWFWMD	N/A	0.02	Ground	Drain field
Ramblers Rest Resort	4058P02909	D	SWFWMD	N/A	0.02	Ground	N/A
Sarasota County: Bent Tree WWTP	4058P01623	D	SWFWMD	7,500	0.34	Ground	N/A
Sarasota Market Place	4058P00162	D	SWFWMD	N/A	0.02	Ground	N/A
Sarasota Septage Treatment	4058C10015	D	SWFWMD	N/A	0.03	Ground	N/A
Sarasota, city of	4058M00609	D	SWFWMD	52,000	3.92	Ground	Reuse system
					2.20	Surface	Whitaker Bayou
Siesta Key Utilities	4058P00506	D	SWFWMD	27,000	1.78	Surface	Grand Canal
Sorrento Utilities	4058P00505	D	SWFWMD	2,000	0.22	Surface	South Canal
Southbay Utilities	4058P02500	D	SWFWMD	25,000	0.11	Ground	Reuse system
Southfield Utilities	4058P10032	D	SWFWMD	N/A	0.03	Ground	N/A
Spanish Lakes MHP	4058P02496	D	SWFWMD	6,000	0.06	Ground	N/A
Sun-N-Fun RV Resort	4058P00696	D	SWFWMD	N/A	0.04	Ground	Percolation pond
Sunrise Utilities	4058P02503	D	SWFWMD	1,800	0.06	Ground	Reuse system
Tamaron	4058P02502	D	SWFWMD	15,500	0.11	Surface	Roberts Bay
Tangarine Woods	4058P10011	D	SWFWMD	N/A	0.03	Ground	N/A
Venice Gardens: STP 1	4058P00164	D	SWFWMD	7,500	0.63	Ground	N/A
Venice Gardens: STP 2 (East)	4058P00371	D	SWFWMD	N/A	0.36	Ground	N/A
Venice Island Beach WWTP	4058M00359	D	SWFWMD	15,000	1.55	Surface	Red Lake
Sarasota, city of	4058M20000	I	SWFWMD		N/A (1)	Surface	Whitaker Bayou
Sorrento Utilities	4058P20013	I	SWFWMD		N/A (1)	Surface	Blackburn Bay
Southbay Utilities	4058P20011	I	SWFWMD		0.63 (1)	Surface	Dryman Bay
Venice, city of	4058P20015	I	SWFWMD		2.50 (1)	Surface	Hatchett Creek

(1) - Residual water (brine) from desalination plant.

Table 65. Seminole County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; WWTP, wastewater treatment plant; N/A, data not available; N/A, data not available; S/D, subdivision; MHP, mobile home park]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Alfaya Utilities	3059P00434	D	SJRWMD	1,200	0.41	Ground	Percolation pond
Altamonte Springs Regional WWTP	3059M01771	D	SJRWMD	125,000	4.68	Surface	Wekiva River
					0.97	Ground	Reuse system
Casselberry, city of	3059M02641	D	SJRWMD	3,167	0.47	Ground	Reuse system
I-4 Industrial Park	3059P02734	D	SJRWMD	N/A	0.12	Surface	Smith Canal/St. Johns River
Lincoln Heights S/D	3059P01116	D	SJRWMD	795	0.09	Surface	St. Johns River
Longwood Utilities: Shadow Hills	3059P10659	D	SJRWMD	6,000	0.40	Ground	Percolation pond
Orlando: Iron Bridge WWTP	3059M00254	D	SJRWMD	N/A	8.84	Surface	Wetlands/Econlockhatchee River
Palm Valley MHP	3059P02830	D	SJRWMD	1,409	0.05	Ground	Percolation pond/drain field
Sanford, city of	3059M01119	D	SJRWMD	36,000	4.63	Surface	Lake Monroe/St. Johns River
Sanlando: Wekiva Hunt Club	3059P03243	D	SJRWMD	N/A	1.88	Surface	Sweetwater Creek/Wekiva River
Sanlando: Woodlands (Des Pinar)	3059P01774	D	SJRWMD	4,340	0.43	Ground	Percolation pond/spray field
Seminole County: Consumer S/D	3059C01810	D	SJRWMD	N/A	0.01	Ground	N/A
Seminole County: Greenwood Lakes	3059P02840	D	SJRWMD	15,000	1.17	Ground	Percolation pond/reuse system
Seminole County: Heathrow	3059P00475	D	SJRWMD	N/A	0.10	Ground	N/A
Seminole County: Lynwood S/D	3059P02281	D	SJRWMD	850	0.04	Ground	Percolation pond
Weathersfield S/D	3059P02763	D	SJRWMD	3,206	0.23	Surface	Little Wekiva River
Winter Springs: Main WWTP	3059M03248	D	SJRWMD	11,033	0.83	Ground	Reuse system
Winter Springs: Tusawilla S/D	3059M10286	D	SJRWMD	7,700	0.72	Ground	Reuse system

Table 66. Sumter County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SWFWMD, Southwest Florida Water Management District; N/A, data not available; FDOC, Florida Department of Corrections; FDOT, Florida Department of Transportation; MHP, mobile home park]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Continental Country Club	4060P02479	D	SWFWMD	N/A	0.11	Surface	Chitty Chatty Marsh
Dogwood MHP	4060P01437	D	SWFWMD	N/A	0.03	Ground	Percolation pond
FDOC: Sumter Correctional	4060S02941	D	SWFWMD	N/A	0.25	Ground	Spray field
FDOT: Okahumpka Service Plaza	4060S00442	D	SWFWMD	N/A	0.01	Ground	Percolation pond
Red Barn Campground	4060P04627	D	SWFWMD	N/A	0.03	Ground	Percolation pond
Sumter County Correctional	4060C00456	D	SWFWMD	N/A	0.02	Ground	Drain field
Wildwood Truckers Paradise	4060P02796	D	SWFWMD	N/A	0.02	Ground	Percolation pond
Wildwood, city of	4060M02314	D	SWFWMD	2,700	0.37	Surface	Wetlands

Table 67. Suwannee County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; MHP, mobile home park; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Advent Christian Village	3161P10296	D	SRWMD	375	0.06	Ground	Percolation pond
Branford, town of	3161M02636	D	SRWMD	600	0.05	Ground	Spray field
Live Oak, city of	3161M02419	D	SRWMD	7,500	0.65	Ground	Spray field
Wayne Friar's MHP	3161P00058	D	SRWMD	429	0.02	Ground	Percolation pond
Goldkist Incorporated	3161P05012	I	SRWMD		1.00	Surface	Suwannee River

Table 68. Taylor County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Perry, city of	3162M01784	D	SRWMD	2,055	0.79	Surface	Spring Creek
Proctor and Gamble Cellulose	3162P03219	I	SRWMD		53.90	Surface	Fenholloway River

Table 69. Union County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; SRWMD, Suwannee River Water Management District; FDOC, Florida Department of Corrections; N/A, data not available]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Lake Butler, city of	3163M01817	D	SRWMD	4,071	0.39	Surface	Silver Run Creek
FDOC: North Florida Reception	3163S02491	D	SRWMD	N/A	0.04	Surface	Richards Creek

Table 70. Volusia County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; STP, sewage treatment plant; D, Domestic wastewater system; SJRWMD, St. Johns River Water Management District; N/A, data not available; WWTP, wastewater treatment plant; S/D, subdivision; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Colony in the Woods STP	3064P02546	D	SJRWMD	450	0.05	Ground	Percolation pond
Daytona Beach: Bethune Point	3064M00707	D	SJRWMD	97,817	8.78	Surface	Halifax River
Daytona Beach: Westside STP	3064M02142	D	SJRWMD	N/A	4.50	Surface	Halifax River
Deland: Brandy Trails STP	3064P00165	D	SJRWMD	3,150	0.10	Ground	Reuse system
Deland: Regional WWTP	3064M06162	D	SJRWMD	16,000	2.22	Surface	St. Johns River
Deltona Utilities STP	3064P00443	D	SJRWMD	11,858	0.78	Ground	Reuse system
Edgewater, city of	3064M01435	D	SJRWMD	4,956	0.55	Surface	North Indian River
Hacienda Del Rio STP	3064P00526	D	SJRWMD	600	0.02	Ground	Percolation pond
Holly Hill, city of	3064M00704	D	SJRWMD	9,829	1.30	Surface	11th Street Canal/Halifax River
Kingston Shores Condos	3064P01141	D	SJRWMD	100	0.02	Ground	Percolation pond
Kove Estates STP	3064P02735	D	SJRWMD	450	0.02	Ground	Percolation pond/drain field
Meadowlea on the River STP	3064P03691	D	SJRWMD	N/A	0.03	Ground	Percolation pond
New Smyrna Beach, city of	3064M01531	D	SJRWMD	17,500	2.38	Surface	North Indian River
Orange City Country Village STP	3064P01793	D	SJRWMD	530	0.05	Ground	Percolation pond
Ormond Beach: Breakaway Trails	3064P00590	D	SJRWMD	3,000	0.06	Ground	Reuse system
Ormond Beach: Main WWTP	3064M01788	D	SJRWMD	36,400	2.77	Surface	Halifax River
Port Orange WWTP	3064M01776	D	SJRWMD	40,000	5.28	Surface	Rose Bay/Halifax River
Seabridge S/D	3064P01005	D	SJRWMD	545	0.08	Ground	Percolation pond
Sugar Mill Estates STP	3064P04854	D	SJRWMD	300	0.14	Ground	Percolation pond
Terra Mar Village STP	3064P02833	D	SJRWMD	1,000	0.03	Ground	Percolation pond
Tymber Creek S/D	3064P01226	D	SJRWMD	414	0.06	Ground	Percolation pond
Villages of Pine Run STP	3064P00343	D	SJRWMD	790	0.02	Ground	Percolation pond
Volusia County: Four Townes	3064P03097	D	SJRWMD	N/A	0.29	Ground	Percolation pond
Volusia County: Spruce Creek	3064P00036	D	SJRWMD	3,500	0.20	Ground	Percolation pond
Volusia County: Terra Alta	3064P02264	D	SJRWMD	350	0.09	Ground	Percolation pond
Sherwood Medical Industries	3064P05020	I	SJRWMD		0.02	Ground	Percolation pond
T.G. Lee - Lifestyle Division	3064P00643	I	SJRWMD		0.04	Ground	Spray field

Table 71. Wakulla County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; I, Industrial wastewater system; NFWFMD, Northwest Florida Water Management District; N/A, data not available STP, sewage treatment plant; D, Domestic wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Shell Point STP	1065P65020	D	NFWFMD	240	0.01	Ground	N/A
Wakulla County STP	1065C01120	D	NFWFMD	154	0.07	Ground	Spray field
Wakulla Manor STP	1065P05395	D	NFWFMD	150	0.02	Ground	Percolation pond
Olin Corporation	1065P02543	I	NFWFMD		0.51	Surface	Big Boggy Branch
Seminole Refining Corporation	1065P02700	I	NFWFMD		N/A	Surface	St. Marks River

Table 72. Walton County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District; STP, sewage treatment plant; N/A, data not available; FDOC, Florida Department of Corrections; I, Industrial wastewater system]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Defuniak Springs, city of	1066M01054	D	NFWFMD	5,325	0.54	Surface	West Sandy Creek
Emerald Hills Condo STP	1066P52548	D	NFWFMD	N/A	0.04	Ground	Percolation pond
FDOC: Walton Correctional	1066S04179	D	NFWFMD	N/A	0.06	Ground	Percolation pond
Sandcliffs STP	1066P02427	D	NFWFMD	200	0.02	Ground	Percolation pond
Sandestin Utility Company	1066P05959	D	NFWFMD	2,000	0.56	Ground	Reuse system
South Walton Utility Company	1066P02421	D	NFWFMD	4,917	0.43	Ground	Percolation pond
Showell Farms Incorporated	1066P00072	I	NFWFMD		0.78	Surface	Carpenters Branch/ Bruce Creek

Table 73. Washington County treated wastewater discharge by facility, 1990

[FDEP, Florida Department of Environmental Protection; Mgal/d, million gallons per day; D, Domestic wastewater system; NFWFMD, Northwest Florida Water Management District]

Wastewater Facility/Owner	FDEP		Water management district	1990 Wastewater discharge data			Disposal system method or receiving water body
	ID number	Type		Population served	Discharge in Mgal/d	Disposal source	
Chipley, city of	1067M00132	D	NFWFMD	3,500	0.67	Surface	Alligator Creek
Sunnyhills Utilities	1067P02344	D	NFWFMD	3,900	0.02	Ground	Spray field
Vernon, city of	1067M02689	D	NFWFMD	820	0.05	Surface	Unnamed ditch/ Holmes Creek