ESTIMATED WATER USE IN PUERTO RICO, 1980-82

By Heriberto Torres-Sierra and Ada Avilés

U.S. GEOLOGICAL SURVEY
OPEN-FILE DATA REPORT 85-557

Prepared in cooperation with the
PUERTO RICO DEPARTMENT OF NATURAL RESOURCES,
PUERTO RICO AQUEDUCT AND SEWER AUTHORITY,
PUERTO RICO ENVIRONMENTAL QUALITY BOARD,
PUERTO RICO DEPARTMENT OF AGRICULTURE, AND
PUERTO RICO ELECTRIC POWER AUTHORITY

San Juan, Puerto Rico
1986

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information write to:

Chief, Caribbean District, WRD
U.S. Geological Survey
GPO Box 4424
San Juan, Puerto Rico 00936
(Telephone: (809) 753-4414)

Copies of this report can be purchased from:

Open-File Services Section
Western Distribution Branch
U.S. Geological Survey
Box 25425, Federal Center
Denver, Colorado 80225
(Telephone: (303) 234-5888)

CONTENTS

FIGURES

TABLES

TABLES-Continued

CONVERSION FACTORS AND ABBREVIATIONS

The following factors may be used to convert inch-pound units of measurement in this report to International Systems (SI) units.

Multiply inch-pound unit	by	To obtain SI unit
	Length	
inches (in.)	25.4	millimeters (mm)
miles (mi)	1.609	kilometers (km)
	Area	
square miles (mi^2)	2.590	square kilometers (km^2)
acres	4047.	square meters (m^2)
	Volume	
gallons (gal)	3.785	liters (L)
acre-feet	1233.	cubic meters (m^3)
	Flow	
gallons per minute (gal/min)	0.06309	liters per second (L/s)
gallons per day (gal/d)	3.785	liters per day (L/d)
million gallons per day (Mgal/d)	0.04381	cubic meters per second (m^3/s)

ABSTRACT

Estimates of water use at 78 "municipios" were compiled from Commonwealth government of Puerto Rico agencies for 1980-82. The estimates include offstream and instream uses. Offstream uses include categories of public-water supply (domestic, commercial, and industrial users), rural (domestic and livestock), irrigation, thermoelectric power generation, and public waste-water treatment. Instream uses include only hydroelectric power and thermoelectric power seawater withdrawals.

Results of the compilation show that the estimated total water use (surface- and ground-water sources) in Puerto Rico during 1980-82 were as follows: 2,570 million gallons per day in 1980; 3,030 million gallons per day in 1981; and 2,840 million gallons per day during 1982. Withdrawal for thermoelectric power generation was the largest water use with about 1,600 million gallons per day in 1980 and about 2,000 million gallons per day in 1981 and in 1982.

The data was stored in the U.S. Geological Survey National Water Use Information System.

INTRODUCTION

In recent years the need for readily accessible and reliable data on water-use information has become a major issue. Quantitative knowledge of the hydrology of an area is no longer considered sufficient information for effective management and planning of water resources. The resolution of the major issues in water resources, whether concerned with insuring an adequate supply or adequate quality of water, will require the development an maintenance of a detailed water-use data base. Development of a water-use data base will involve a coordinated program covering all aspects of water-use data, from collection to storage and dissemination of the information. The program will also require strict quality control procedures to ascertain the validity of the data.

Estimated amounts of water withdrawn from surface- and ground-water sources used in Puerto Rico during calendar years 1980-82 are presented in this report. This is the second in a series of water-use data reports for Puerto Rico. Preliminary water user data for 1980 were published in 1983 ("Estimated water use in Puerto Rico, 1980" by F. Gómez-Gómez and others). The data in this report were compiled by the U.S. Geological Survey (USGS) in cooperation with the Puerto Rico Department of Natural Resources (PRDNR), the Puerto Rico Aqueduct and Sewer Authority (PRASA), the Puerto Rico Environmental Quality Board (PREQB), the Puerto Rico Department of Agriculture (PRDOA), the Puerto Rico Electric Power Authority (PREPA), and the Puerto Rico Sugar Corporation (PRSC).

INTRODUCTION-Continued

Acknowledgments

The authors are greatful to the following Commonwealth agency employees for their cooperation: Eng. Luís A. Rodríguez, Engineer Division, PREPA; Engrs. Victor Crúz, Miguel A. Bermúdez, Jorge Cancel, Julio A. Galindez, Edgardo Torres, and Julio Torres, Irrigation Services Division, PREPA, and Mr. Pablo Ramos, Economics and Statistics Analyses Office, PRASA; to the personnel of PREQB, PRDOA, PRSC, and the U.S. Bureau of the Census.

PUERTO RICO WATER-USE INFORMATION PROGRAM

In 1977, the Congress of the United States recognized the need for uniform, current and reliable information on water use and directed the USGS to establish a National Water-Use Information Program (NWUIP). The Puerto Rico Water-Use Information Program (PRWUIP) is part of the NWUIP and is undertaken by the USGS with the cooperation of six local government agencies involved directly with the use of water, or which compile information on its use. These include PRDNR, PRASA, PREQB, PREPA, PRDOA, and PRSC.

The primary objectives of the PRWUIP are:

1. To account for the water used throughout Puerto Rico.

2. To organize the water-use data in a computer data bank available for retrieval and use at the local, regional and national levels.

3. To manage the program so that data will be of uniform quality.

4. To advise on methodologies to improve the quality of the data.

5. To provide reports and information to update and estimate future water requirements in Puerto Rico.

The USGS has in operation since 1980, a computerized storage-/retrieval system for data aggregated by major use category on a county or hydrologic unit basis. In Puerto Rico, the geographic-accounting base are the "municipio" and hydrologic units as defined by the USGS. The categories of water use for which the program has storage/retrieval capabilities include:

Agricultural, AG - water used for agricultural purpose such as feedlot, stock watering, dairy operations, etc.

Commercial, CO - water used by office buildings, hotels, motels, restaurants, warehouses, etc.

Domestic, DO - water used by residences, subdivisions, condominium, municipalities, or institutional establishments.

PUERTO RICO WATER-USE INFORMATION PROGRAM-Continued

Irrigation, IR - water distributed on lands for the purpose of growing corps and pastures or maintaining recreational lands such as parks and golf courses.

Mining, MI - water used in connection with mining processes for producing fuels, metals and non-metals.

Power - water used to generate electric power such as hydroelectric (PH), or thermoelectric from fossil (PF), nuclear (PN) or a geothermal (PG) energy source.

Public Waste-Water Treatment, ST - the collection of sewage from twenty-five or more sources by waste water-treatment systems to improve its quality before it is returned.

Public-Water Supply, WS - water used by a public-water supplier for the purpose of supplying twenty-five or more users.

Data obtained from cooperating local agencies is compiled in National Water-Use Data System (NWUDS) format by the USGS. An accuracy code is assigned to the total volumetric amount reported on the basis of the methodology used for flow estimates as follows:

if value is within 5 percent of actual - Excellent

if less than 10 percent, but greater than 5 percent of actual - Good

if less than 25 percent, but greater than 10 percent of actual - Fair

if greater than 25 percent of actual - Poor

WATER USE CATEGORIES

The principal water use subdivisions in this report include offstream and instream uses. Offstream uses include surface- and ground waters diverted from its source. To determine the amount of water used, three factors are considered:

1. Withdrawals - the amount of water withdrawn or diverted from a ground- or surface-water source.

2. Deliver/release - the amount of water delivered at the point of use and the amount released after use. The difference between these volumes will in some instances be the consumptive use (the amount of water that is no longer available for subsequent use).

3. Return flow - the amount of water that reaches a ground- or surface-water source after release from the point of use and becomes available for further use.

Instream water uses include water that is not dependent on withdrawal or diversion from ground- or surface-water sources.

In this report water use data are presented for five categories of offstream uses: public supply (water delivered to domestic, commercial and industrial users); rural use (self-supplied domestic and livestock use); irrigation use; thermoelectric power generation; and public waste-water treatment. The only instream use discussed is hydroelectric power generation. The data are also presented by principal use and by source on a "municipio" basis.

METHODOLOGY

The USGS in cooperation with local agencies, compiled water-use estimates for the 78 "municipios" of Puerto Rico. Information on the quantity and quality of water used was obtained from many sources during the inventory.

Water withdrawals and water-use data for public supply were obtained from PRASA annual and monthly reports. Return flows to public sewage treatment plant facilities were also obtained from PRASA reports.

Surface water withdrawals used by government irrigation districts were supplied by the Irrigation Services Division of PREPA. Thermoelectric and hydroelectric power generation water use data were also provided by PREPA. Data of ground-water withdrawals for irrigation in the south coast were collected from the PRSC.

METHODOLOGY-Continued

The domestic self-supplied use was computed by multiplying the population in each "municipio" not served by a public water system by 40 gallons per capita per day. This represents a median value between an estimated low withdrawal rate of 20 gallons per capita per day for St. Thomas, U.S. Virgin Islands, where the water resources are scarce (Bullock, D.C., and others, 1980), and an estimated high withdrawal rate of 60 gallons per capita per day for the United States (Murray, C.R., and Reeves, E.B., 1977). The number of people served by self-supplied systems was determined by subtracting the number of people served by public supply installations from the total population. Population estimates for 1981 and 1982 were determined using the 1980 Census of Population and Housing and the 1985 projections of population provided by the U.S. Bureau of the Census.

Water withdrawals for livestock use in 1982 are based on a fixed amount of water used per head, for each type of animal. The following daily livestock water requirements (Kirk, J.R., and others, 1982) provided the basis for these calculations.

Livestock	Water use (gal/d)
milk cows	35
cattle, horse, mule	12
hog	4
sheep, goat	2
rabbit	1
chicken	0.06

The livestock population by "municipio" was obtained from the 1982 Census of Agriculture (U.S. Bureau of the Census).

Average daily values of water use are reported in the tables in this report Mgal/d (million gallons per day). These were derived from monthly, bimonthly, or annual values. The livestock use data is expressed in gal/d (gallons per day). Almost all the data are tabulated in a monthly rate, excepting the return flows which are bimonthly. Values with an asterisk (*) varied significantly and were not considered in determining mean-annual flows.

Most of the data contained in this report was assigned an accuracy code of fair. The only exceptions are users supplied by a public-water supplier (good) and ground-water withdrawals for irrigation (poor).

SUMMARY OF DATA FINDINGS

The major findings of the 1980-82 Puerto Rico Water-Use Inventory are shown in the following figures:

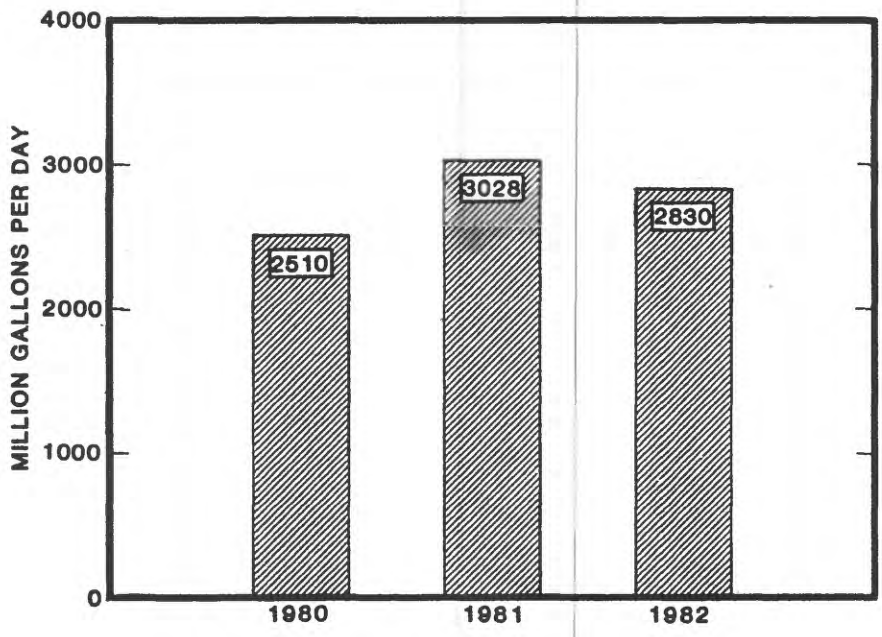

Figure 1.--Total water use, 1980-82.

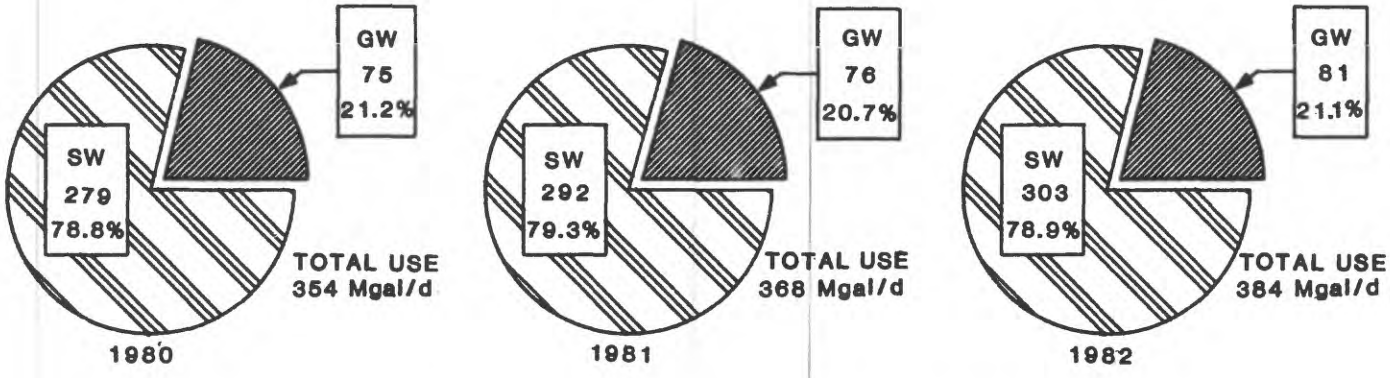

Figure 2.--Public-water withdrawals by source.

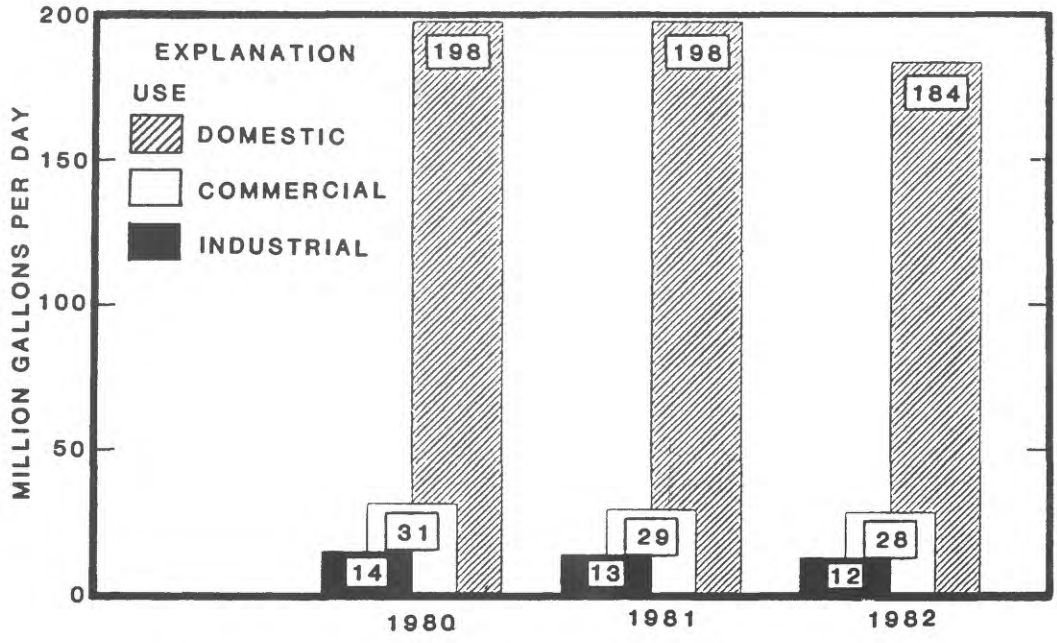

Figure 3.--Public water-supply use by category.

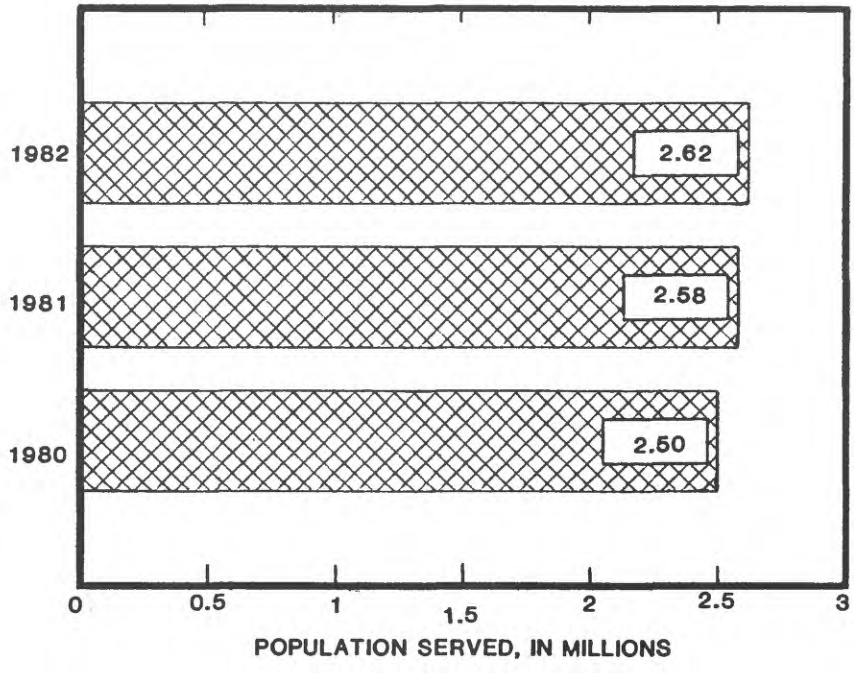

Figure 4.--Total population served by public water.

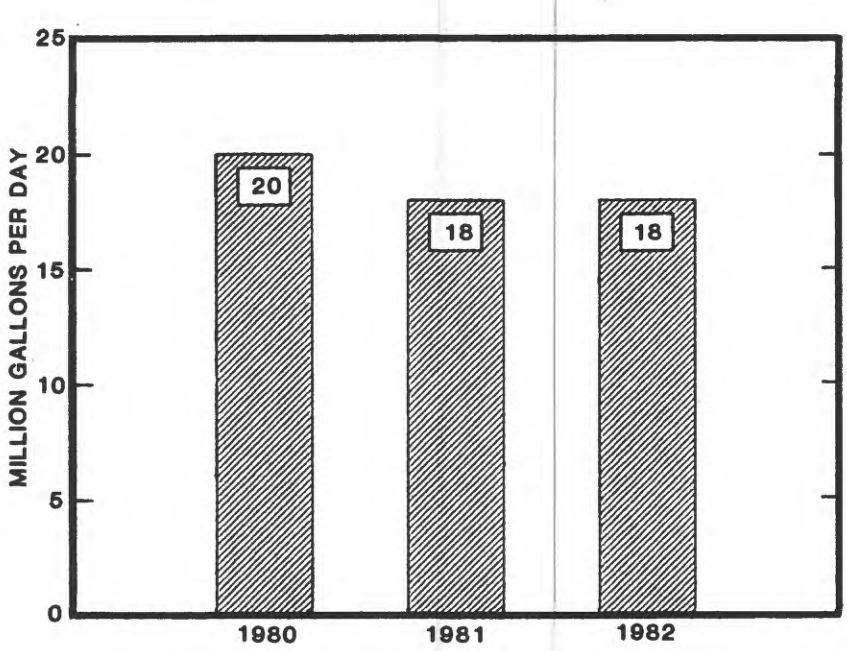

Figure 5.--Domestic self-supply water use.

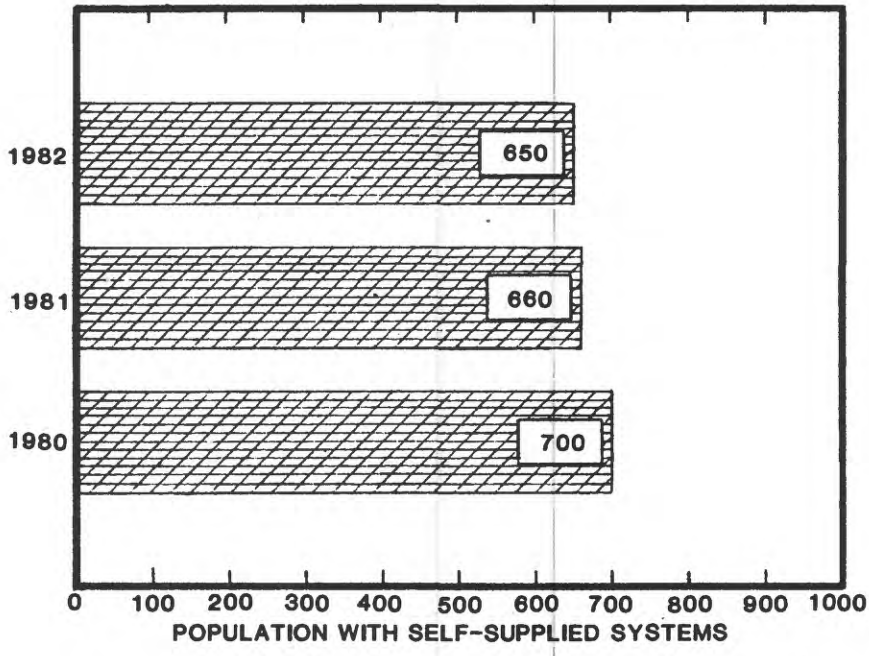

Figure 6.--Total domestic self-supplied population.

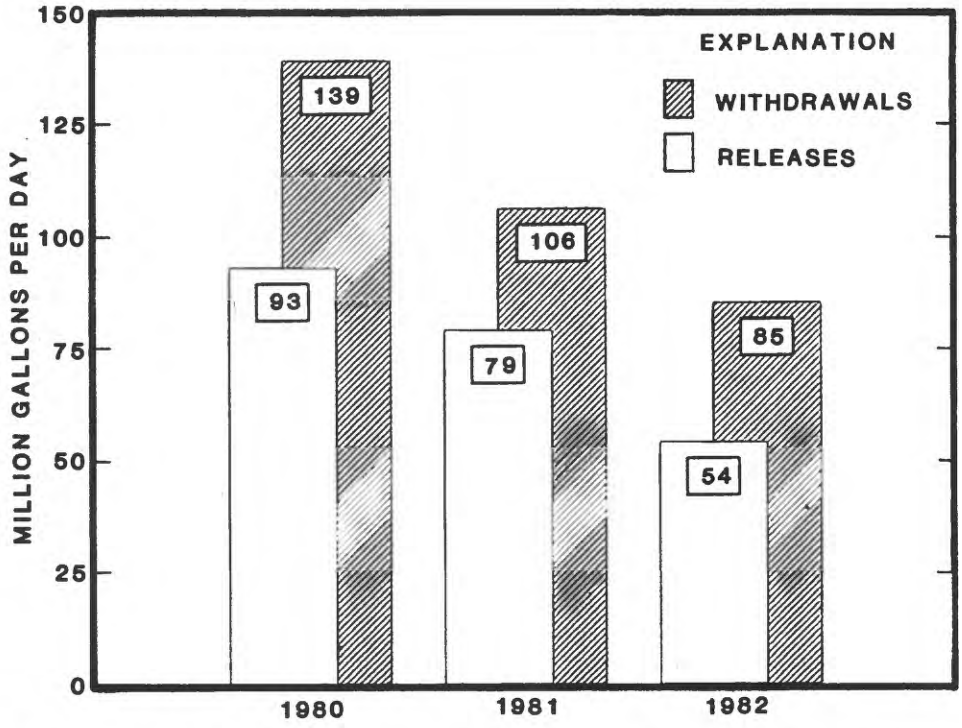

Figure 7.--Total irrigation withdrawals from surface water and releases to government irrigation districts.

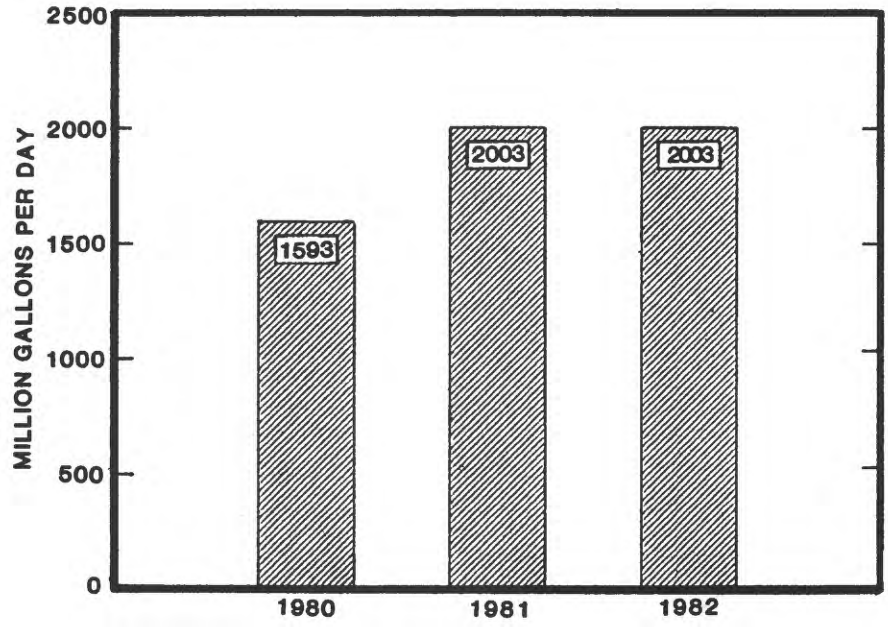

Figure 8.--Estimated quantities of water used for thermoelectric power generation.

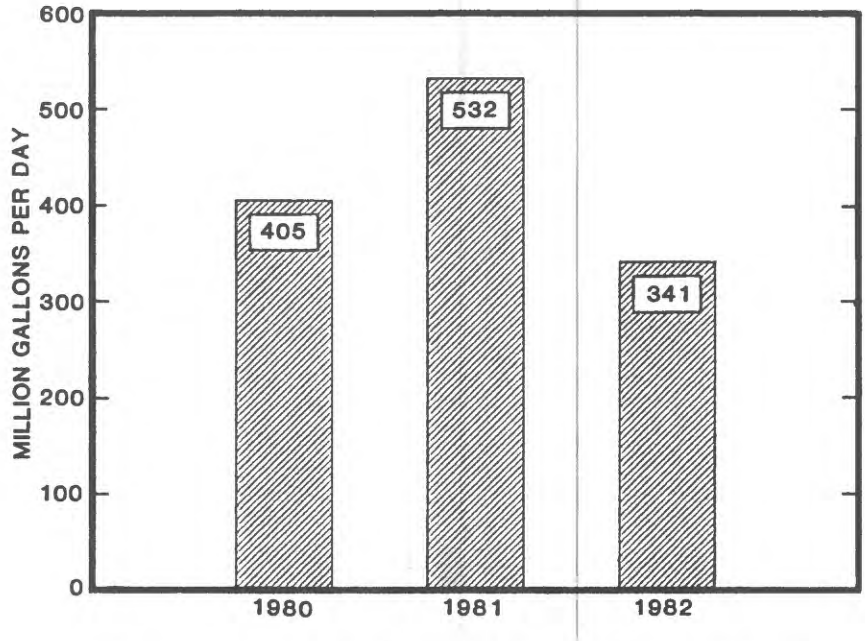

Figure 9.--Total water used for hydroelectric power generation.

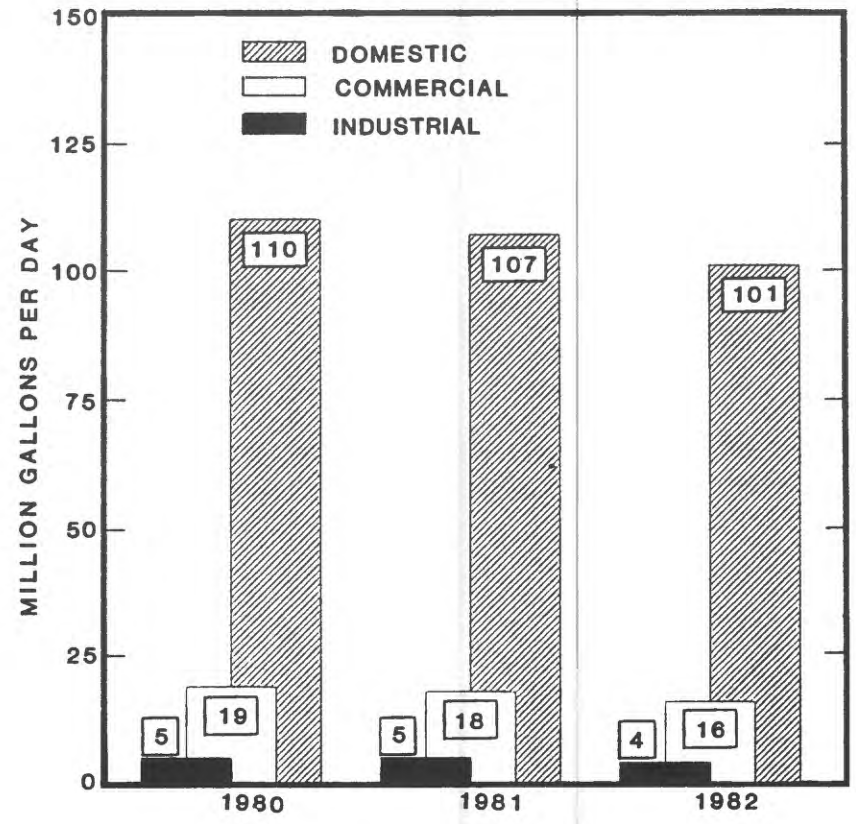

Figure 10.--Total return flows by category.

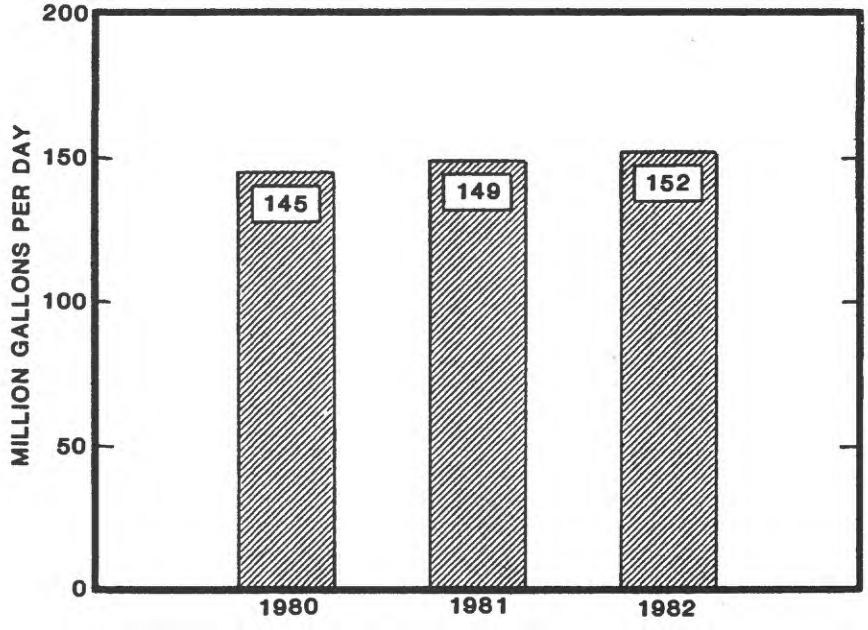

Figure 11.--Total return flows from the sewage treatment plants.

Other Findings

1. Ground-water withdrawals for irrigation, by the Puerto Rico Sugar Corporation, during 1980 was about 59 Mgal/d.

2. Livestock use was nearly 9 Mgal/d during 1982.

Table 1. Public water supply withdrawals by municipio for 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER	MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER	MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER
001	ADJUNTAS	1.32		053	FAJARDO	4.51		103	NAGUABO	7.42	
003 *	AGUADA			054	FLORIDA		0.96	105	NARANJITO	1.04	
005 *	AGUADILLA			055	GUANICA		2.55	107	OROCOVIS	1.72	
007	AGUAS BUENAS	1.16		057	GUAYAMA	3.69	.86	109	PATILLAS	.08	1.00
009	AIBONITO	1.32	0.62	059	GUAYANILLA	.14	1.10	111	PENUELAS	1.65	
011	ANASCO	.44		061	GUAYNABO	27.79		113	PONCE	17.85	9.45
013	ARECIBO	2.83	7.33	063	GURABO		.46	115	QUEBRADILLAS	17.08	.19
015	ARROYO		.89	065	HATILLO	1.58		117	RINCON		.48
017	BARCELONETA		3.21	067	HORMIGUEROS		.98	119	RIO GRANDE	1.03	
019	BARRANQUITAS	.84	.09	069	HUMACAO	3.93		121	SABANA GRANDE	1.19	.37
021	BAYAMON	.58		071 *	ISABELA		.02	123	SALINAS		4.50
023	CABO ROJO		3.72	073	JAYUYA	1.10	.02	125	SAN GERMAN	1.55	1.02
025	CAGUAS	6.20	.28	075	JUANA DIAZ	.52	2.90	127	SAN JUAN	2.56	
027	CAMUY	.15		077	JUNCOS	1.86	.67	129	SAN LORENZO	1.78	
029	CANOVANAS	4.82		079 *	LAJAS			131	SAN SEBASTIAN	2.86	
031 *	CAROLINA			081	LARES	2.00		133	SANTA ISABEL		2.29
033 *	CATANO			083	LAS MARIAS	.59		135	TOA ALTA	40.10	
035	CAYEY	2.93	.87	085	LAS PIEDRAS	.14		137	TOA BAJA		3.33
037 *	CEIBA			087 *	LOIZA			139	TRUJILLO ALTO	75.54	
039	CIALES	1.09		089	LUQUILLO	1.80		141	UTUADO	1.86	
041	CIDRA	.74	.78	091	MANATI		7.10	143	VEGA ALTA	.31	3.22
043	COAMO	1.51	.18	093	MARICAO	.65	.01	145	VEGA BAJA	1.87	6.61
045	COMERIO	.69	.08	095	MAUNABO	.07	1.25	147 *	VIEQUES		
047	COROZAL	1.60		097	MAYAGUEZ	15.46		149	VILLALBA	1.09	
049	CULEBRA		+ .05	099 *	MOCA			151	YABUCOA	.37	1.00
051	DORADO		4.55	101	MOROVIS	2.07		153	YAUCO	3.52	

SURFACE WATER	278.59
GROUND WATER	74.99
TOTAL	353.58

* SUPPLIED FROM ANOTHER MUNICIPIO
\+ SALINE WATER

NOTE: VALUES REPRESENT WITHDRAWALS OCCURRING WITHIN MUNICIPIO BOUNDARY.

Table 2. Public water supply withdrawals by municipio for 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER	MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER	MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER
001	ADJUNTAS	1.41		053	FAJARDO	4.36		103	NAGUABO	10.42	
003 *	AGUADA			054	FLORIDA		1.12	105	NARANJITO	1.70	
005 *	AGUADILLA			055	GUANICA		2.46	107	OROCOVIS	2.05	
007	AGUAS BUENAS	1.20		057	GUAYAMA	3.50	.87	109	PATILLAS	.24	.94
009	AIBONITO	1.30	0.47	059	GUAYANILLA	.29	1.00	111	PENUELAS	1.98	
011	ANASCO	.41		061	GUAYNABO	24.54		113	PONCE	19.29	9.91
013	ARECIBO	3.07	8.13	063	GURABO		.28	115	QUEBRADILLAS	19.00	.26
015	ARROYO		.93	065	HATILLO	1.78		117	RINCON		.69
017	BARCELONETA		3.56	067	HORMIGUEROS		1.21	119	RIO GRANDE	2.63	
019	BARRANQUITAS	.84	.11	069	HUMACAO	2.58		121	SABANA GRANDE	1.24	.44
021	BAYAMON	.65		071 *	ISABELA			123	SALINAS		3.86
023	CABO ROJO		3.28	073	JAYUYA	1.04	.01	125	SAN GERMAN	1.50	1.40
025	CAGUAS	7.83	.38	075	JUANA DIAZ	.62	2.62	127	SAN JUAN	.45	
027	CAMUY	.50		077	JUNCOS	2.61		129	SAN LORENZO	2.82	
029	CANOVANAS	5.22		079 *	LAJAS			131	SAN SEBASTIAN	2.89	
031 *	CAROLINA			081	LARES	1.72		133	SANTA ISABEL		2.49
033 *	CATANO			083	LAS MARIAS	.71		135	TOA ALTA	44.28	
035	CAYEY	3.31	.69	085	LAS PIEDRAS	.10		137	TOA BAJA		3.62
037 *	CEIBA			087 *	LOIZA			139	TRUJILLO ALTO	77.43	
039	CIALES	1.15		089	LUQUILLO	2.23		141	UTUADO	1.86	
041	CIDRA	.84	.65	091	MANATI		7.88	143	VEGA ALTA	.20	3.50
043	COAMO	1.53	.35	093	MARICAO	.69		145	VEGA BAJA	1.62	5.84
045	COMERIO	.80	.17	095	MAUNABO	.07	1.21	147 *	VIEQUES		
047	COROZAL	2.01		097	MAYAGUEZ	14.22		149	VILLALBA	1.11	
049	CULEBRA		+ .04	099 *	MOCA			151	YABUCOA	.41	.99
051	DORADO		4.95	101	MOROVIS	2.04		153	YAUCO	3.57	

SURFACE WATER	291.86
GROUND WATER	76.31
TOTAL	368.17

* SUPPLIED FROM ANOTHER MUNICIPIO
\+ SALINE WATER

NOTE: VALUES REPRESENT WITHDRAWALS OCCURRING WITHIN MUNICIPIO BOUNDARY.

Table 3. Public water supply withdrawals by municipio for 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER	MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER	MUNICIPIO CODE	MUNICIPIO	SURFACE WATER	GROUND WATER
001	ADJUNTAS	1.45		053	FAJARDO	4.56		103	NAGUABO	11.65	
003 *	AGUADA			054	FLORIDA		1.25	105	NARANJITO	1.74	
005 *	AGUADILLA			055	GUANICA		3.31	107	OROCOVIS	2.07	
007	AGUAS BUENAS	1.17		057	GUAYAMA	3.61	.81	109	PATILLAS	.34	.85
009	AIBONITO	1.74	0.40	059	GUAYANILLA	.52	1.02	111	PENUELAS	2.34	
011	ANASCO	.42		061	GUAYNABO	26.12		113	PONCE	20.64	9.92
013	ARECIBO	2.79	8.86	063	GURABO		.39	115	QUEBRADILLAS	19.29	.29
015	ARROYO		.74	065	HATILLO	2.00		117	RINCON		.76
017	BARCELONETA		3.87	067	HORMIGUEROS		1.29	119	RIO GRANDE	3.15	
019	BARRANQUITAS	.83	.09	069	HUMACAO	2.54		121	SABANA GRANDE	1.20	.51
021	BAYAMON	.59		071 *	ISABELA			123	SALINAS		4.13
023	CABO ROJO		2.75	073	JAYUYA	1.04		125	SAN GERMAN	1.37	1.54
025	CAGUAS	7.75	.76	075	JUANA DIAZ	.65	2.92	127	SAN JUAN	.14	
027	CAMUY	.55		077	JUNCOS	3.05		129	SAN LORENZO	2.70	
029	CANOVANAS	5.92		079 *	LAJAS			131	SAN SEBASTIAN	2.59	
031 *	CAROLINA	.02		081	LARES	1.99		133	SANTA ISABEL		3.03
033 *	CATANO			083	LAS MARIAS	.69		135	TOA ALTA	51.36	
035	CAYEY	3.31	.62	085	LAS PIEDRAS	.09		137	TOA BAJA		3.43
037 *	CEIBA			087 *	LOIZA			139	TRUJILLO ALTO	72.71	
039	CIALES	1.10		089	LUQUILLO	2.18		141	UTUADO	1.97	
041	CIDRA	.96	.69	091	MANATI		8.58	143	VEGA ALTA	.19	3.31
043	COAMO	1.60	1.06	093	MARICAO	.68		145	VEGA BAJA	1.62	6.36
045	COMERIO	.87	.17	095	MAUNABO	.07	1.19	147 *	VIEQUES		
047	COROZAL	3.10		097	MAYAGUEZ	14.74		149	VILLALBA	1.60	
049	CULEBRA		+ .05	099 *	MOCA			151	YABUCOA	.47	.76
051	DORADO		4.69	101	MOROVIS	2.09		153	YAUCO	1.85	.24

SURFACE WATER	303.15
GROUND WATER	80.64
TOTAL	383.79

* SUPPLIED FROM ANOTHER MUNICIPIO
\+ SALINE WATER

NOTE: VALUES REPRESENT WITHDRAWALS OCCURRING WITHIN MUNICIPIO BOUNDARY.

Table 4. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
001	ADJUNTAS															
		DO	2,779	0.60	0.60	0.78	0.78	0.76	0.76	0.72	0.72	0.73	0.73	0.77	0.77	0.73
		CO	144	.04	.04 *	.08 *	.08	.04	.04	.04	.04	.04	.04	.04	.04	.04
		IN	4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
003	AGUADA															
		DO	6,378	1.19	1.19	1.16	1.16	1.40	1.40	1.33	1.33	1.29	1.29	1.39	1.39	1.29
		CO	430	.09	.09	.08	.08	.10	.10	.09	.09	.10	.10	.11	.11	.10
		IN	15	.04	.04	.04	.04	.04	.04	.05	.05	.03	.03	.03	.03	.04
005	AGUADILLA															
		DO	15,044	3.71	3.71	3.75	3.75	3.75	3.75	3.88	3.88	3.87	3.87	3.84	3.84	3.80
		CO	1,188	.29	.29	.32	.32	.32	.32	.35	.35	.35	.35	.38	.38	.34
		IN	56	.18	.18	.21	.21	.25	.25	.19	.19	.21	.21	.22	.22	.21
007	AGUAS BUENAS															
		DO	3,866	.83	.83	.81	.81	.93	.93	.88	.88	.86	.86	.94	.94	.83
		CO	277	.13	.13	.08	.08	.08	.08	.07	.07	.08	.08	.08	.08	.09
		IN	14	.04	.04	.04	.04	.03	.03	.04	.04	.05	.05	.04	.04	.04
009	AIBONITO															
		DO	5,024	.88	.88	.94	.94	.99	.99	1.06	1.06	1.02	1.02	1.12	1.12	1.00
		CO	457	.18	.18	.16	.16	.18	.18	.18	.18	.16	.16	.21	.21	.18
		IN	17	.17	.17	.19	.19	.18	.18	.17	.17	.18	.18	.18	.18	.18
011	ANASCO															
		DO	5,140	1.13	1.13	1.15	1.15	1.13	1.13	1.12	1.12	1.07	1.07	1.08	1.08	1.11
		CO	292	.08	.08	.07	.07	.07	.07	.07	.07	.09	.09	.07	.07	.07
		IN	16	.04	.04	.05	.05	.05	.05	.07	.07	.06	.06	.06	.06	.05
013	ARECIBO															
		DO	23,211	5.24	5.24	5.21	5.21	5.39	5.39	5.51	5.51	5.91	5.91	5.96	5.96	5.54
		CO	1,809	.72	.72	.81	.81	.82	.82	1.21	1.21	1.07	1.07	.85	.85	.91
		IN	81	.58	.58	.49	.49	.41	.41	.30	.30	.31	.31	.36	.36	.41
015	ARROYO															
		DO	4,508	1.01	1.01	1.10	1.10	1.10	1.10	1.19	1.19	1.09	1.09	1.14	1.14	1.11
		CO	190	.06	.06	.06	.06	.06	.06	.08	.08	.05	.05	.06	.06	.06
		IN	10	.08	.08	.05	.05	.05	.05	.05	.05	.04	.04	.05	.05	.05
017	BARCELONETA															
		DO	4,970	.97	.97	1.03	1.03	1.09	1.09	1.11	1.11	1.19	1.19	1.50	1.50	1.15
		CO	356	.12	.12	.11	.11	.12	.12	.11	.11	.12	.12	.12	.12	.12
		IN	22	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02
019	BARRANQUITAS															
		DO	3,224	.77	.77	.70	.70	.72	.72	.76	.76	.76	.76	.88	.88	.76
		CO	348	.10	.10	.11	.11	.12	.12	.12	.12	.11	.11	.12	.12	.11
		IN	3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Table 4. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
021	BAYAMON															
		DO	46,663	11.84	11.84	12.17	12.17	12.44	12.44	12.54	12.54	12.26	12.26	12.67	12.67	12.32
		CO	3,564	1.59	1.59	1.54	1.54	1.96	1.96	1.54	1.54	2.30	2.30	1.97	1.97	1.81
		IN	124	.35	.35	.31	.31	.47	.47	.34	.34	.33	.33	.31	.31	.35
023	CABO ROJO															
		DO	10,173	1.62	1.62	1.90	1.90	1.82	1.82	2.14	2.14	2.00	2.00	2.05	2.05	1.92
		CO	779	.27	.27	.30	.30	.26	.26	.34	.34	.28	.28	.34	.34	.30
		IN	23	.04	.04	.05	.05	.03	.03	.04	.04	.03	.03	.03	.03	.04
025	CAGUAS															
		DO	28,753	6.91	6.91	6.66	6.66	6.62	6.62	6.95	6.95	6.91	6.91	7.18	7.18	6.96
		CO	1,789	.67	.67	.74	.74	.98	.98	1.04	1.04	.82	.82	.68	.68	.82
		IN	147	.46	.46	.47	.47	.45	.45	.46	.46	.47	.47	.48	.48	.47
027	CAMUY															
		DO	5,980	1.26	1.26	1.18	1.18	1.23	1.23	1.20	1.20	1.40	1.40	1.25	1.25	1.09
		CO	550	.26	.26	.26	.26	.25	.25	* .67	* .67	.23	.23	.23	.23	.25
		IN	20	.03	.03	.04	.04	.08	.08	.04	.04	.05	.05	.05	.05	.05
029	CANOVANAS															
		DO	5,669	1.23	1.23	1.31	1.31	1.27	1.27	1.39	1.39	1.38	1.38	1.30	1.30	1.31
		CO	390	.18	.18	.15	.15	.13	.13	.13	.13	.14	.14	.15	.15	.15
		IN	6	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
031	CAROLINA															
		DO	39,763	10.04	10.04	10.14	10.14	10.54	10.54	10.57	10.57	10.20	10.20	10.71	10.71	10.37
		CO	1,958	2.49	2.49	2.29	2.29	2.73	2.73	2.35	2.35	2.21	2.21	2.91	2.91	2.50
		IN	95	.51	.51	.51	.51	.56	.56	.62	.62	.58	.58	.49	.49	.54
033	CATANO															
		DO	6,068	3.12	3.12	3.23	3.23	2.76	2.76	3.28	3.28	3.10	3.10	2.95	2.95	3.08
		CO	320	.16	.16	.16	.16	.15	.15	.18	.18	.15	.15	.14	.14	.16
		IN	109	1.42	1.42	1.80	1.80	1.32	1.32	3.10	3.10	2.12	2.12	1.90	1.90	1.95
035	CAYEY															
		DO	10,542	2.09	2.09	1.94	1.94	2.04	2.04	2.01	2.01	1.99	1.99	1.97	1.97	2.01
		CO	900	.34	.34	.22	.22	.23	.23	.21	.21	.23	.23	.25	.25	.25
		IN	16	.13	.13	.12	.12	.13	.13	.14	.14	.13	.13	.14	.14	.13
037	CEIBA															
		DO	2,878	.59	.59	.61	.61	.62	.62	.58	.58	.67	.67	.71	.71	.63
		CO	198	.04	.04	.04	.04	.05	.05	.09	.09	.04	.04	.04	.04	.05
		IN	7	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01
039	CIALES															
		DO	3,048	.59	.59	.59	.59	.63	.63	.61	.61	.67	.67	.68	.68	.63
		CO	254	.08	.08	.06	.06	.08	.08	.06	.06	.07	.07	.08	.08	.07
		IN	12	.02	.02	.02	.02	.01	.01	.02	.02	.01	.01	.02	.02	.02

Table 4. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
041	CIDRA															
		DO	5,035	1.00	1.00	1.04	1.04	1.06	1.06	1.09	1.09	1.10	1.10	1.21	1.21	1.08
		CO	462	.15	.15	.17	.17	.19	.19	.17	.17	.18	.18	.17	.17	.17
		IN	25	.04	.04	.09	.09	.14	.14	.08	.08	.07	.07	.09	.09	.09
043	COAMO															
		DO	6,268	1.24	1.24	1.26	1.26	1.28	1.28	1.36	1.36	1.60	1.60	1.45	1.45	1.37
		CO	332	.07	.07	.06	.06	.06	.06	.07	.07	.07	.07	.08	.08	.07
		IN	20	.16	.16	.19	.19	.21	.21	.22	.22	.21	.21	.19	.19	.20
045	COMERIO															
		DO	3,418	.70	.70	.68	.68	.71	.71	.74	.74	.72	.72	.77	.77	.72
		CO	276	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07 *	.17 *	.17	.07
		IN	6	.01	.01	.03	.03	.02	.02 *	.14 *	.14	.07	.07	.03	.03	.03
047	COROZAL															
		DO	4,833	1.10	1.10	1.05	1.05	1.09	1.09	1.10	1.10	1.13	1.13	1.13	1.13	1.08
		CO	394	.19	.19	.11	.11	.11	.11	.22	.22	.12	.12	.16	.16	.14
		IN	10	.03	.03	.03	.03	.04	.04	.03	.03	.03	.03	.02	.02	.03
049	CULEBRA															
		DO	344	.03	.03	.03	.03	.02	.02	.03	.03	.03	.03	.02	.02	.03
		CO	34	.01	.01	.01	.01	.01	.01	.02	.02 *	.05 *	.05	.01	.01	.01
		IN	1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
051	DORADO															
		DO	6,287	1.37	1.37	1.53	1.53	1.49	1.49	1.07	1.07	1.44	1.44	1.70	1.70	1.43
		CO	352	.16	.16	.16	.16	.18	.18	.16	.16	.20	.20	.16	.16	.17
		IN	13	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
053	FAJARDO															
		DO	10,065	2.07	2.07	2.18	2.18	2.16	2.16	2.31	2.31	2.41	2.41	3.00	3.00	2.36
		CO	815	.61	.61	.51	.51	.36	.36	.39	.39	.40	.40	.36	.36	.44
		IN	18	.03	.03	.05	.05	.04	.04	.03	.03	.04	.04	.04	.04	.04
054	FLORIDA															
		DO	21,159	.33	.33	.37	.37	.39	.39	.39	.39	.42	.42	.43	.43	.39
		CO	1,703	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.05	.05	.03
		IN	30	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.00
055	GUANICA															
		DO	5,184	1.05	1.05	1.06	1.06	1.26	1.26	1.12	1.12	1.57	1.57	1.16	1.16	1.20
		CO	264	.12	.12	.10	.10	.12	.12	.09	.09	.11	.11	.11	.11	.11
		IN	8	.02	.02	.04	.04	.03	.03	.03	.03	.03	.03	.04	.04	.03
057	GUAYAMA															
		DO	9,548	2.22	2.22	2.31	2.31	2.42	2.42	2.75	2.75	2.53	2.53	2.49	2.49	2.45
		CO	552	.19	.19	.18	.18	.21	.21	.20	.20 *	.58 *	.58	.19	.19	.19
		IN	23	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02

Table 4. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
059	GUAYANILLA															
		DO	4,494	1.18	1.18	1.17	1.17	1.13	1.13	1.18	1.18	1.25	1.25	1.39	1.39	1.20
		CO	287	.07	.07	.08	.08	.07	.07	.08	.08	.08	.08	.07	.07	.07
		IN	3	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01
061	GUAYNABO															
		DO	18,798	6.67	6.67	7.06	7.06	7.29	7.29	6.60	6.60	7.65	7.65	6.96	6.96	7.04
		CO	1,234	1.64	1.64	1.30	1.30	1.51	1.51	1.58	1.58	1.52	1.52	1.43	1.43	1.50
		IN	60	* .95	* .95	.60	.60	.50	.50	.52	.52	.47	.47	.46	.46	.51
063	GURABO															
		DO	4,641	.88	.88	.87	.87	.99	.99	1.14	1.14	1.01	1.01	.98	.98	.98
		CO	249	.07	.07	.06	.06	.06	.06	.07	.07	.06	.06	.06	.06	.06
		IN	5	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
065	HATILLO															
		DO	6,736	1.37	1.37	1.40	1.40	1.49	1.49	1.40	1.40	1.46	1.46	1.43	1.43	1.43
		CO	602	.39	.39	.38	.38	.43	.43	.40	.40	.40	.40	.41	.41	.40
		IN	49	.11	.11	.13	.13	.12	.12	.11	.11	.15	.15	.13	.13	.12
067	HORMIGUEROS															
		DO	4,128	.89	.89	.93	.93	.85	.85	.86	.86	.90	.90	.94	.94	.90
		CO	197	.07	.07	.07	.07	.05	.05	.05	.05	.05	.05	.06	.06	.06
		IN	12	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
069	HUMACAO															
		DO	12,752	2.65	2.65	2.79	2.79	3.00	3.00	3.00	3.00	3.07	3.07	3.01	3.01	2.92
		CO	1,097	.54	.54	.51	.51	.48	.48	.54	.54	.70	.70	.52	.52	.57
		IN	49	.19	.19	.26	.26	.31	.31	.29	.29	.25	.25	.19	.19	.25
071	ISABELA															
		DO	9,180	1.77	1.77	1.77	1.77	1.80	1.80	1.84	1.84	1.83	1.83	1.77	1.77	1.80
		CO	941	.32	.32	.32	.32	.31	.31	.32	.32	.30	.30	.30	.30	.31
		IN	20	.04	.04	.07	.07	.04	.04	.03	.03	.04	.04	.04	.04	.04
073	JAYUYA															
		DO	2,206	.51	.51	.53	.53	.45	.45	.51	.51	.49	.49	.50	.50	.50
		CO	263	.06	.06	.06	.06	.09	.09	.05	.05	.06	.06	.06	.06	.06
		IN	11	.02	.02	.03	.03	.03	.03	.01	.01	.04	.04	.04	.04	.03
075	JUANA DIAZ															
		DO	7,576	1.75	1.75	1.71	1.71	1.74	1.74	1.79	1.79	1.68	1.68	1.85	1.85	1.75
		CO	258	.12	.12	* .52	* .52	.15	.15	.17	.17	.12	.12	.14	.14	.14
		IN	16	.06	.06	.05	.05	.05	.05	.12	.12	.06	.06	.10	.10	.07
077	JUNCOS															
		DO	6,587	1.35	1.35	1.31	1.31	1.39	1.39	1.44	1.44	1.49	1.49	1.37	1.37	1.39
		CO	561	.15	.15	.16	.16	.15	.15	.16	.16	.15	.15	.15	.15	.15
		IN	32	.06	.06	.05	.05	.03	.03	.04	.04	.03	.03	.05	.05	.04

Table 4. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
079	LAJAS															
		DO	5,644	0.77	0.77	0.99	0.99	1.08	1.08	1.10	1.10	1.16	1.16	1.18	1.18	1.05
		CO	432	.09	.09	.10	.10	.11	.11	.11	.11	.12	.12	.12	.12	.11
		IN	9	.01	.01	.01	.01	.01	.01	.01	.01	.04	.04	.02	.02	.02
081	LARES															
		DO	5,882	1.11	1.11	1.03	1.03	1.02	1.02	1.06	1.06	1.09	1.09	1.10	1.10	1.05
		CO	428	.09	.09	.08	.08	.09	.09	.09	.09	.08	.08	.08	.08	.09
		IN	6	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
083	LAS MARIAS															
		DO	1,542	.34	.34	.40	.40	.32	.32	.32	.32	.30	.30	.33	.33	.33
		CO	91	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03
		IN	0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
085	LAS PIEDRAS															
		DO	4,566	.83	.83	.84	.84	.88	.88	.90	.90	1.13	1.13	.99	.99	.93
		CO	360	.08	.08	.08	.08	.09	.09	.09	.09	.09	.09	.08	.08	.09
		IN	21	.12	.12	.06	.06	.09	.09	.08	.08	.08	.08	.07	.07	.08
087	LOIZA															
		DO	5,681	1.22	1.22	1.21	1.21	1.23	1.23	1.30	1.30	1.35	1.35	1.42	1.42	1.29
		CO	280	.12	.12	.09	.09	.09	.09	.10	.10	.10	.10	.11	.11	.10
		IN	2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
089	LUQUILLO															
		DO	5,291	1.14	1.14	1.12	1.12	1.15	1.15	1.31	1.31	1.11	1.11	1.21	1.21	1.17
		CO	281	.11	.11	.11	.11	.10	.10	.08	.08	.11	.11	.11	.11	.10
		IN	44	.05	.05	.05	.05	.04	.04	.05	.05	.05	.05	.03	.03	.04
091	MANATI															
		DO	9,989	2.18	2.18	2.35	2.35	2.18	2.18	2.14	2.14	2.11	2.11	2.01	2.01	2.16
		CO	869	.30	.30	.29	.29	.28	.28	.34	.34	.29	.29	.25	.25	.29
		IN	40	.08	.08	.06	.06	.05	.05	.06	.06	.07	.07	.05	.05	.06
093	MARICAO															
		DO	746	.19	.19	.19	.19	.20	.20	.18	.18	.18	.18	.24	.24	.19
		CO	50	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
		IN	5	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
095	MAUNABO															
		DO	2,276	.46	.46	.50	.50	.52	.52	.54	.54	.53	.53	.51	.51	.51
		CO	144	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
		IN	4	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.02
097	MAYAGUEZ															
		DO	24,802	6.68	6.68	6.82	6.82	7.03	7.03	6.47	6.47	6.54	6.54	6.74	6.74	6.71
		CO	2,193	1.96	1.96	1.12	1.12	1.16	1.16	1.51	1.51	1.07	1.07	1.08	1.08	1.32
		IN	89	2.44	2.44	1.78	1.78	1.72	1.72	2.26	2.26	2.44	2.44	2.33	2.33	2.16

Table 4. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
099	MOCA															
		DO	5,832	0.86	0.86	0.87	0.87	0.91	0.91	0.92	0.92	0.94	0.94	1.42	1.42	0.99
		CO	355	.05	.05	.08	.08	.07	.07	.08	.08	.12	.12	.11	.11	.09
		IN	6	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01
101	MOROVIS															
		DO	4,094	.77	.77	.82	.82	1.06	1.06	.88	.88	.88	.88	.94	.94	.89
		CO	358	.10	.10	.09	.09	.11	.11	.11	.11	.11	.11	.10	.10	.10
		IN	7	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
103	NAGUABO															
		DO	4,863	1.07	1.07	1.03	1.03	1.24	1.24	1.06	1.06	1.08	1.08	1.02	1.02	1.08
		CO	381	.09	.09	.08	.08	.10	.10	.10	.10	.10	.10	.14	.14	.10
		IN	32	.06	.06	.06	.06	.05	.05	.05	.05	.03	.03	.03	.03	.05
105	NARANJITO															
		DO	3,802	.75	.75	.98	.98	1.09	1.09	1.08	1.08	1.04	1.04	1.11	1.11	1.01
		CO	312	.10	.10	.12	.12	.12	.12	.13	.13	.13	.13	.12	.12	.12
		IN	4	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00	.01
107	OROCOVIS															
		DO	3,349	.64	.64	.67	.67	.67	.67	.64	.64	.71	.71	.63	.63	.66
		CO	169	.04	.04	.04	.04	.04	.04	.05	.05	.10	.10	.05	.05	.05
		IN	6	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
109	PATILLAS															
		DO	3,381	.78	.78	.83	.83	.74	.74	.75	.75	.73	.73	.82	.82	.77
		CO	243	.08	.08	.07	.07	.07	.07	.10	.10	.07	.07	.10	.10	.08
		IN	5	.08	.08	.09	.09	.07	.07	.08	.08	.08	.08	.05	.05	.08
111	PENUELAS															
		DO	3,542	.82	.82	.83	.83	.76	.76	.78	.78	.81	.81	.84	.84	.80
		CO	232	.09	.09	.08	.08	.07	.07	.09	.09	.13	.13	.08	.08	.09
		IN	10	.05	.05	.04	.04	.05	.05	.05	.05	.12	.12	.12	.12	.07
113	PONCE															
		DO	47,496	14.04	14.04	12.87	12.87	13.62	13.62	14.68	14.68	15.40	15.40	14.57	14.57	14.20
		CO	2,461	1.40	1.40	1.35	1.35	1.80	1.80	2.65	2.65	* 5.07	* 5.07	1.99	1.99	1.84
		IN	106	.96	.92	.73	.73	.55	.55	.53	.53	.61	.61	.82	.82	.69
115	QUEBRADILLAS															
		DO	4,865	.90	.90	.84	.84	.92	.92	.90	.90	.94	.94	1.34	1.34	.97
		CO	554	.22	.22	.19	.19	.21	.21	.21	.21	.23	.23	.23	.23	.22
		IN	16	.11	.11	.06	.06	.15	.15	.12	.12	.11	.11	.09	.09	.11
117	RINCON															
		DO	3,247	.63	.63	.65	.65	.65	.65	.65	.65	.70	.70	.72	.72	.67
		CO	244	.09	.09	.08	.08	.08	.08	.08	.08	.09	.09	.07	.07	.08
		IN	6	.02	.02	.02	.02	.05	.05	.05	.05	.02	.02	.02	.02	.03

Table 4. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
119	RIO GRANDE															
		DO	8,824	2.25	2.25	2.06	2.06	2.15	2.15	2.06	2.06	3.93	3.93	2.13	2.13	2.43
		CO	556	.40	.40	.28	.28	.25	.25	.26	.26	.30	.30	.23	.23	.29
		IN	13	.03	.03	.03	.03	.03	.03	.05	.05	.03	.03	.02	.02	.03
121	SABANA GRANDE															
		DO	6,548	1.28	1.28	1.20	1.20	1.57	1.57	1.18	1.18	1.16	1.16	1.19	1.19	1.26
		CO	415	.09	.09	.08	.08	.07	.07	.07	.07	.07	.07	.07	.07	.07
		IN	15	.08	.08	.03	.03	.04	.04	.04	.04	.05	.05	.05	.05	.05
123	SALINAS															
		DO	6,592	1.31	1.31	1.42	1.42	1.53	1.53	1.57	1.57	1.74	1.74	1.53	1.53	1.52
		CO	297	.08	.08	.09	.09	.08	.08	.07	.07	.08	.08	.08	.08	.08
		IN	9	.02	.02	.03	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03
125	SAN GERMAN															
		DO	7,866	1.86	1.86	1.49	1.49	1.41	1.41	1.56	1.56	1.45	1.45	1.58	1.58	1.55
		CO	585	.30	.30	.24	.24	.21	.21	.25	.25	.25	.25	.23	.23	.25
		IN	34	.18	.18	.16	.16	.27	.27	.20	.20	.21	.21	.20	.20	.20
127	SAN JUAN															
		DO	132,773	42.54	42.54	45.87	45.87	43.17	43.17	38.90	38.90	37.91	37.91	44.99	44.99	42.22
		CO	11,576	10.18	10.18	10.87	10.87	12.46	12.46	9.84	9.84	10.05	10.05	9.12	9.12	10.42
		IN	282	1.92	1.92	2.08	2.08	3.17	3.17	1.86	1.86	2.50	2.50	2.34	2.34	2.31
129	SAN LORENZO															
		DO	5,432	1.13	1.13	1.16	1.16	1.13	1.13	1.17	1.17	1.10	1.10	1.29	1.29	1.16
		CO	372	.11	.11	.09	.09	.10	.10	.11	.11	.10	.10	.14	.14	.11
		IN	28	.03	.03	.04	.04	.04	.04	.05	.05	.04	.04	.03	.03	.04
131	SAN SEBASTIAN															
		DO	7,568	1.67	1.67	1.66	1.66	1.68	1.68	1.63	1.63	1.02	1.02	1.76	1.76	1.57
		CO	525	.15	.15	.15	.15	.14	.14	.20	.20	.10	.10	.15	.15	.15
		IN	11	.02	.02	.02	.02	.02	.02	.01	.01	.02	.02	.01	.01	.02
133	SANTA ISABEL															
		DO	4,535	.91	.91	.85	.85	1.27	1.27	.92	.92	1.00	1.00	1.06	1.06	1.00
		CO	162	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03
		IN	8	* .16	* .16	.01	.01	.00	.00	.04	.04	.02	.02	.01	.01	.02
135	TOA ALTA															
		DO	6,521	1.36	1.36	1.42	1.42	1.63	1.63	1.66	1.66	1.60	1.60	1.64	1.64	1.55
		CO	306	.09	.09	.10	.10	.12	.12	.13	.13	.10	.10	.11	.11	.11
		IN	12	.13	.13	.11	.11	.29	.29	.14	.14	.15	.15	.10	.10	.15
137	TOA BAJA															
		DO	22,160	4.90	4.90	5.12	5.12	5.62	5.62	5.41	5.41	5.52	5.52	5.56	5.56	5.36
		CO	962	.33	.33	.38	.38	.39	.39	.39	.39	.45	.45	.37	.37	.38
		IN	42	.21	.21	.16	.16	.18	.18	.30	.30	.16	.16	.17	.17	.20

Table 4. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
139	TRUJILLO ALTO															
		DO	5,322	1.70	1.70	1.54	1.54	1.40	1.40	1.48	1.48	1.65	1.65	1.49	1.49	1.54
		CO	314	.17	.17	.13	.13	.12	.12 *	.39 *	.39	.10	.10	.11	.11	.13
		IN	8	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01
141	UTUADO															
		DO	6,394	1.20	1.20	1.17	1.17	1.19	1.19	1.19	1.19	1.16	1.16	1.18	1.18	1.18
		CO	582	.14	.14	.12	.12	.13	.13	.13	.13	.12	.12	.12	.12	.13
		IN	12	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
143	VEGA ALTA															
		DO	6,088	1.44	1.44	1.36	1.36	1.39	1.39	1.52	1.52	1.64	1.64	1.40	1.40	1.46
		CO	374	.12	.12	.11	.11	.11	.11	.13	.13	.14	.14	.20	.20	.13
		IN	19	.74	.74	.78	.78	.80	.80	.74	.74	.86	.86	.76	.76	.78
145	VEGA BAJA															
		DO	12,413	2.59	2.59	2.69	2.69	2.75	2.75	2.78	2.78	2.64	2.64	2.72	2.72	2.70
		CO	868	.30	.30	.29	.29	.34	.34	.30	.30	.34	.34	.34	.34	.32
		IN	44	.12	.12	.13	.13	.14	.14	.17	.17	.13	.13	.12	.12	.14
147	VIEQUES															
		DO	2,632	.39	.39	.42	.42	.55	.55	.45	.45	.46	.46	.50	.50	.46
		CO	246	.05	.05	.08	.08	.09	.09	.05	.05	.06	.06	.06	.06	.07
		IN	3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
149	VILLALBA															
		DO	2,828	.61	.61	.54	.54	.63	.63	.67	.67	.68	.68	.66	.66	.63
		CO	130	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.04
		IN	6	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01
151	YABUCOA															
		DO	5,483	1.10	1.10	1.20	1.20	1.29	1.29	1.64	1.64	1.32	1.32	1.39	1.39	1.32
		CO	388	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.11	.11	.10
		IN	14	.02	.02	.03	.03	.02	.02	.01	.01	.02	.02	.02	.02	.02
153	YAUCO															
		DO	8,816	1.78	1.78	1.83	1.83	1.92	1.92	1.94	1.94	1.97	1.97	2.10	2.10	1.92
		CO	651	.18	.18 *	.81 *	.81	.24	.24 *	.47 *	.47	.19	.19	.23	.23	.21
		IN	12	.04	.04	.03	.03	.05	.05	.04	.04	.05	.05	.03	.03	.04
	TOTAL	DO	792,605	191.95	191.95	196.25	196.25	198.79	198.79	195.94	195.94	198.83	198.83	206.96	206.96	197.92
		CO	56,812	30.86	30.86	29.62	29.62	33.05	33.05	31.77	31.77	30.93	30.93	30.02	30.02	31.06
		IN	2,198	13.26	13.26	12.88	12.88	13.75	13.75	14.43	14.43	14.24	14.24	13.54	13.54	13.66

* VALUES WERE NOT CONSIDERED TO DETERMINE ANNUAL RATE DUE TO SIGNIFICANT VARIATION

Table 5. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
001	ADJUNTAS															
		DO	2,955	0.69	0.69	0.67	0.67	0.72	0.72	0.64	0.64	0.73	0.73	0.79	0.79	0.71
		CO	151	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04
		IN	3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
003	AGUADA															
		DO	6,694	1.49	1.49	1.27	1.27	1.43	1.43	1.36	1.36	1.33	1.33	1.31	1.31	1.36
		CO	454	.13	.13	.10	.10	.12	.12	.10	.10	.10	.10	.10	.10	.11
		IN	7	.03	.03	.04	.04	.03	.03	.02	.02	.02	.02	.03	.03	.03
005	AGUADILLA															
		DO	15,024	4.12	4.12	3.59	3.59	3.70	3.70	3.81	3.81	3.65	3.65	3.61	3.61	3.74
		CO	1,213	.37	.37	.37	.37	.32	.32	.33	.33	.33	.33	.35	.35	.35
		IN	55	.32	.32	.21	.21	.20	.20 *	.56 *	.56	.23	.23	.22	.22	.24
007	AGUAS BUENAS															
		DO	4,047	1.05	1.05	.85	.85	.84	.84	.88	.88	.90	.90	.93	.93	.91
		CO	268	.09	.09	.07	.07	.07	.07	.07	.07	.08	.08	.07	.07	.08
		IN	13	.06	.06	.05	.05	.04	.04	.04	.04	.07	.07	.04	.04	.05
009	AIBONITO															
		DO	5,272	1.10	1.10	0.99	0.99	1.00	1.00	1.10	1.10	1.09	1.09	1.09	1.09	1.06
		CO	474	.18	.18	.21	.21	.16	.16	.16	.16	.16	.16	.16	.16	.17
		IN	17	.21	.21	.20	.20	.20	.20	.16	.16	.19	.19	.19	.19	.19
011	ANASCO															
		DO	5,290	1.19	1.19	1.07	1.07	1.06	1.06	1.06	1.06	1.08	1.08	1.01	1.01	1.08
		CO	289	.08	.08	.07	.07	.06	.06	.08	.08	.07	.07	.07	.07	.07
		IN	16	.06	.06	.06	.06	.05	.05	.06	.06	.04	.04	.05	.05	.05
013	ARECIBO															
		DO	24,182	6.01	6.01	5.32	5.32	5.38	5.38	5.01	5.01	6.33	6.33	5.62	5.62	5.60
		CO	1,893	1.01	1.01	.80	.80	.80	.80	.81	.81	.96	.96	.85	.85	.87
		IN	79	.36	.36	.45	.45	.46	.46	.38	.38	.48	.48	.45	.45	.43
015	ARROYO															
		DO	4,645	1.17	1.17	1.04	1.04	1.11	1.11	1.04	1.04	1.08	1.08	.98	.98	1.07
		CO	192	.07	.07	.07	.07	.07	.07	.06	.06	.07	.07 *	.29 *	.29	.07
		IN	10	.05	.05	.04	.04	.04	.04	.05	.05	.04	.04	.04	.04	.04
017	BARCELONETA															
		DO	5,132	1.14	1.14	0.97	0.97	1.03	1.03	1.14	1.14	1.17	1.17	1.07	1.07	1.09
		CO	351	.12	.12	.11	.11	.11	.11	.10	.10	.10	.10	.10	.10	.11
		IN	8	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01
019	BARRANQUITAS															
		DO	3,421	.88	.88	.70	.70	.76	.76	.76	.76	.79	.79	.85	.85	.79
		CO	350	.13	.13	.11	.11	.11	.11	.11	.11	.11	.11	.12	.12	.11
		IN	4	.00	.00	.01	.01	.02	.02	.03	.03	.04	.04	.02	.02	.02

Table 5. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1981, in million gallons per day -Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
021	BAYAMON															
		DO	48,411	12.82	12.82	12.04	12.04	11.92	11.92	12.00	12.00	13.37	13.37	12.30	12.30	12.38
		CO	3,545	1.49	1.49	1.48	1.48	1.42	1.42	1.40	1.40	1.65	1.65	1.45	1.45	1.48
		IN	125	.30	.30	.28	.28	.35	.35	.35	.35	.26	.26	.44	.44	.33
023	CABO ROJO															
		DO	10,692	2.09	2.09	1.83	1.83	1.85	1.85	1.98	1.98	2.38	2.38	2.04	2.04	2.02
		CO	780	.30	.30	.34	.34	.28	.28	.34	.34	.29	.29	.27	.27	.30
		IN	24	.03	.03	.03	.03	.04	.04	.03	.03	.04	.04	.03	.03	.03
025	CAGUAS															
		DO	30,046	7.76	7.76	7.08	7.08	6.99	6.99	6.92	6.92	7.07	7.07	7.29	7.29	7.18
		CO	1,747	.75	.75	.64	.64	.61	.61	.61	.61	.61	.61	1.08	1.08	.72
		IN	162	.47	.47	.45	.45	.43	.43 *	.72 *	.72	.42	.42	.53	.53	.46
027	CAMUY															
		DO	6,178	1.34	1.34	1.24	1.24	1.21	1.21	1.15	1.15	1.23	1.23	1.33	1.33	1.24
		CO	548	.26	.26	.22	.22	.23	.23	.24	.24	.23	.23	.26	.26	.24
		IN	20	.06	.06	.05	.05	.04	.04	.04	.04	.04	.04	.05	.05	.05
029	CANOVANAS															
		DO	5,815	1.39	1.39	1.20	1.20	1.30	1.30	1.33	1.33	1.31	1.31	1.38	1.38	1.39
		CO	403	.18	.18	.15	.15	.15	.15	.14	.14	.14	.14	.14	.14	.15
		IN	7	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
031	CAROLINA															
		DO	40,396	9.90	9.90	9.55	9.55	9.69	9.69	9.54	9.54	9.75	9.75	9.98	9.98	9.74
		CO	1,906	2.24	2.24	1.98	1.98	2.21	2.21	2.13	2.13	2.33	2.33	2.36	2.36	2.21
		IN	96	.45	.45	.55	.55	.47	.47	.57	.57	.67	.67	.51	.51	.53
033	CATANO															
		DO	6,285	3.43	3.43	3.09	3.09	2.89	2.89	2.63	2.63	2.62	2.62	3.13	3.13	2.96
		CO	277	.16	.16	.14	.14	.14	.14	.13	.13	.14	.14	.13	.13	.14
		IN	108	1.61	1.61	1.88	1.88	1.72	1.72	1.76	1.76	1.90	1.90	1.68	1.68	1.76
035	CAYEY															
		DO	10,756	2.06	2.06	2.03	2.03	1.95	1.95	1.97	1.97	2.10	2.10	2.00	2.00	2.02
		CO	910	.23	.23	.23	.23	.21	.21	.21	.21	.25	.25	.23	.23	.23
		IN	19	.15	.15	.13	.13	.12	.12	.11	.11	.14	.14	.13	.13	.13
037	CEIBA															
		DO	2,997	.65	.65	.62	.62	.62	.62	.61	.61	.63	.63	.64	.64	.62
		CO	190	.04	.04	.04	.04	.07	.07	.04	.04	.04	.04	.04	.04	.04
		IN	7	.04	.04	.01	.01	.01	.01	.02	.02	.08	.08	.02	.02	.02
039	CIALES															
		DO	3,173	.66	.66	.60	.60	.64	.64	.69	.69	.66	.66	.68	.68	.65
		CO	253	.11	.11	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.07
		IN	12	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02

Table 5. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
041	CIDRA															
		DO	5,431	1.27	1.27	1.06	1.06	1.09	1.09	1.06	1.06	1.12	1.12	1.17	1.17	1.13
		CO	465	.18	.18	.16	.16	.16	.16	.16	.16	.18	.18	.24	.24	.18
		IN	28	.24	.24	.35	.35	.38	.38	.16	.16	.09	.09	.09	.09	.22
043	COAMO															
		DO	6,811	1.47	1.47	1.38	1.38	1.41	1.41	1.38	1.38	1.24	1.24	1.32	1.32	1.37
		CO	384	.13	.13	.08	.08	.13	.13	.09	.09	.08	.08	.08	.08	.10
		IN	21	.23	.23	.16	.16	.19	.19	.17	.17	.24	.24	.24	.24	.20
045	COMERIO															
		DO	3,664	.81	.81	.65	.65	.64	.64	.75	.75	.76	.76	.78	.78	.73
		CO	312	.08	.08	.08	.08	.08	.08	.07	.07	.09	.09	.08	.08	.08
		IN	6	.03	.03	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01
047	COROZAL															
		DO	5,565	1.21	1.21	1.14	1.14	1.07	1.07	1.19	1.19	1.19	1.19	1.14	1.14	1.15
		CO	375	.12	.12	.12	.12	.11	.11	.11	.11	.12	.12	.10	.10	.11
		IN	10	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02
049	CULEBRA															
		DO	361	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.02	.02	.02
		CO	38	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
		IN	1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
051	DORADO															
		DO	6,704	1.59	1.59	1.43	1.43	1.52	1.52	1.60	1.60	1.55	1.55	1.60	1.60	1.55
		CO	376	.17	.17	.16	.16	.17	.17	.28	.28	.17	.17	.17	.17	.19
		IN	13	.02	.02	.02	.02	.01	.01	.01	.01	.02	.02	.01	.01	.02
053	FAJARDO															
		DO	10,429	2.73	2.73	2.23	2.23	2.33	2.33	2.82	2.82	2.28	2.28	2.39	2.39	2.46
		CO	805	.35	.35	.36	.36	.34	.34 *	.67 *	.67	.35	.35	.31	.31	.34
		IN	19	.04	.04	.04	.04	.04	.04	.04	.04 *	.08 *	.08	.04	.04	.04
054	FLORIDA															
		DO	2,288	.43	.43	.37	.37	.41	.41	.45	.45	.45	.45	.46	.46	.43
		CO	161	.03	.03	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03
		IN	3	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
055	GUANICA															
		DO	5,302	1.23	1.23	1.03	1.03	1.07	1.07	1.09	1.09	1.07	1.07	1.04	1.04	1.09
		CO	268	.07	.07	.11	.11	.13	.13	.11	.11	.11	.11	.09	.09	.10
		IN	8	.03	.03	.03	.03	.03	.03	.06	.06	.05	.05	.03	.03	.04
057	GUAYAMA															
		DO	9,930	2.58	2.58	2.29	2.29	2.38	2.38	2.30	2.30	2.39	2.39	2.36	2.36	2.38
		CO	567	.18	.18	.17	.17	.18	.18	.16	.16	.17	.17	.17	.17	.17
		IN	23	* .12 *	.12	.02	.02	.02	.02	.04	.04	.03	.03	.05	.05	.03

Table 5. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
059	GUAYANILLA															
		DO	5,137	1.23	1.23	1.15	1.15	1.18	1.18	1.15	1.15	1.12	1.12	1.20	1.20	1.17
		CO	288	.08	.08	.07	.07	.08	.08	.07	.07	.06	.06	.06	.06	.07
		IN	4	.00	.00	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00	.01
061	GUAYNABO															
		DO	19,737	8.58	8.58	7.14	7.14	9.00	9.00	8.26	8.26	7.55	7.55	7.61	7.61	8.01
		CO	1,230	1.46	1.46	1.48	1.48	1.29	1.29	1.69	1.69	1.33	1.33	1.48	1.48	1.46
		IN	63	.48	.48	.40	.40	.49	.49	.38	.38	.40	.40	.40	.40	.42
063	GURABO															
		DO	5,046	1.40	1.40	.98	.98	1.07	1.07	1.10	1.10	.97	.97	1.22	1.22	1.13
		CO	246	.07	.07	.06	.06	.06	.06	.06	.06	.06	.06	.07	.07	.06
		IN	5	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
065	HATILLO															
		DO	6,988	1.51	1.51	1.37	1.37	1.45	1.45	1.47	1.47	1.36	1.36	1.30	1.30	1.41
		CO	610	.47	.47	.38	.38	.38	.38	.41	.41	.36	.36	.40	.40	.40
		IN	46	.13	.13	.11	.11	.12	.12	.11	.11	.11	.11	.11	.11	.12
067	HORMIGUEROS															
		DO	4,338	.92	.92	.87	.87	.89	.89	.89	.89	.95	.95	.87	.87	.90
		CO	195	.06	.06	.05	.05	.05	.05	.05	.05	.05	.05	.04	.04	.05
		IN	13	.01	.01	.01	.01	.01	.01	.04	.04	.02	.02	.01	.01	.02
069	HUMACAO															
		DO	13,662	3.55	3.55	2.88	2.88	3.01	3.01	3.31	3.31	3.13	3.13	3.19	3.19	3.18
		CO	1,133	.70	.70	.62	.62	.64	.64	1.00	1.00	.85	.85	.61	.61	.74
		IN	54	.28	.28	.44	.44	.38	.38	.43	.43	.30	.30	.30	.30	.36
071	ISABELA															
		DO	9,556	1.77	1.77	1.72	1.72	1.67	1.67	1.72	1.72	1.77	1.77	1.74	1.74	1.73
		CO	663	.31	.31	.28	.28	.30	.30	.28	.28	.30	.30	.32	.32	.30
		IN	17	.03	.03	.04	.04	.02	.02	.03	.03	.03	.03	.04	.04	.03
073	JAYUYA															
		DO	2,359	.49	.49	.43	.43	.48	.48	.49	.49	.44	.44	.50	.50	.47
		CO	267	.06	.06	.06	.06	.05	.05	.07	.07	.06	.06	.06	.06	.06
		IN	11	.04	.04	.03	.03	.03	.03	.05	.05	.04	.04	.03	.03	.04
075	JUANA DIAZ															
		DO	7,744	1.83	1.83	2.45	2.45	1.72	1.72	1.71	1.71	1.61	1.61	1.63	1.63	1.82
		CO	332	.14	.14	.13	.13	.13	.13	.13	.13	.13	.13	.15	.15	.14
		IN	16	.11	.11	.07	.07	.10	.10	.11	.11	.07	.07	.08	.08	.09
077	JUNCOS															
		DO	4,156	1.57	1.57	1.46	1.46	1.56	1.56	1.41	1.41	1.46	1.46	1.59	1.59	1.51
		CO	568	.17	.17	.16	.16	.15	.15	.14	.14	.14	.14	.16	.16	.15
		IN	34	.06	.06	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05

Table 5. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
079	LAJAS															
		DO	6,111	1.19	1.19	1.04	1.04	1.14	1.14	1.06	1.06	1.08	1.08	1.17	1.17	1.11
		CO	468	.12	.12	.11	.11	.12	.12	.11	.11	.11	.11	.16	.16	.12
		IN	8	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.02	.02	.01
081	LARES															
		DO	6,094	1.09	1.09	.98	.98	1.03	1.03	1.08	1.08	1.07	1.07	1.04	1.04	1.05
		CO	432	.10	.10	.09	.09	.11	.11	.09	.09	.08	.08	.08	.08	.09
		IN	5	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
083	LAS MARIAS															
		DO	1,615	.37	.37	.32	.32	.32	.32	.30	.30	.31	.31	.31	.31	.32
		CO	100	.03	.03	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.03
		IN	0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
085	LAS PIEDRAS															
		DO	4,926	1.00	1.00	.85	.85	.87	.87	.98	.98	1.10	1.10	.91	.91	.95
		CO	392	.10	.10	.09	.09	.09	.09	.10	.10	.10	.10	.11	.11	.10
		IN	22	.07	.07	.07	.07	.07	.07	.06	.06	.07	.07	.06	.06	.06
087	LOIZA															
		DO	6,034	1.52	1.52	1.32	1.32	1.43	1.43	1.41	1.41	1.40	1.40	1.38	1.38	1.41
		CO	289	.13	.13	.08	.08	.10	.10	.11	.11	.13	.13	.09	.09	.11
		IN	2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
089	LUQUILLO															
		DO	5,672	1.20	1.20	1.14	1.14	1.27	1.27	1.28	1.28	1.15	1.15	1.15	1.15	1.20
		CO	294	.12	.12	.10	.10	.14	.14	.10	.10	.10	.10	.10	.10	.11
		IN	18	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05
091	MANATI															
		DO	10,390	2.15	2.15	1.99	1.99	2.06	2.06	2.15	2.15	2.05	2.05	2.01	2.01	2.06
		CO	860	.28	.28	.27	.27	.25	.25	.26	.26	.26	.26	.26	.26	.26
		IN	39	.05	.05	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06
093	MARICAO															
		DO	806	.22	.22	.20	.20	.18	.18	.16	.16	.17	.17	.16	.16	.18
		CO	48	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
		IN	5	.03	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02
095	MAUNABO															
		DO	2,302	.55	.55	.51	.51	.51	.51	.47	.47	.53	.53	.52	.52	.51
		CO	152	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
		IN	5	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
097	MAYAGUEZ															
		DO	26,782	7.09	7.09	6.41	6.41	6.61	6.61	7.50	7.50	6.61	6.61	6.37	6.37	6.75
		CO	2,241	1.23	1.23	1.06	1.06	1.04	1.04	1.02	1.02	1.07	1.07	1.01	1.01	1.07
		IN	90	2.33	2.33	2.37	2.37	* 4.62	* 4.62	2.06	2.06	2.11	2.11	2.13	2.13	2.20

Table 5. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
099	MOCA															
		DO	6,068	1.25	1.25	1.17	1.17	1.13	1.13	1.18	1.18	1.14	1.14	1.19	1.19	1.18
		CO	383	.11	.11	.11	.11	.10	.10	.10	.10	.09	.09	.10	.10	.10
		IN	6	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
101	MOROVIS															
		DO	4,421	.94	.94	.86	.86	.86	.86	.91	.91	.95	.95	.96	.96	.91
		CO	347	.15	.15	.10	.10	.09	.09	.10	.10	.11	.11	.11	.11	.11
		IN	7	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.03	.03	.01
103	NAGUABO															
		DO	4,964	1.11	1.11	1.01	1.01	1.03	1.03	1.04	1.04	1.14	1.14	1.01	1.01	1.06
		CO	397	.10	.10	.11	.11	.10	.10	.09	.09	.09	.09	.09	.09	.10
		IN	30	.02	.02	.03	.03	.04	.04	.04	.04	.03	.03	.03	.03	.03
105	NARANJITO															
		DO	4,127	1.04	1.04	.97	.97	.92	.92	1.00	1.00	1.04	1.04	1.10	1.10	1.01
		CO	318	.16	.16	.11	.11	.09	.09	.08	.08	.09	.09	.08	.08	.10
		IN	4	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01
107	OROCOVIS															
		DO	3,513	.67	.67	.63	.63	.61	.61	.58	.58	.62	.62	.66	.66	.63
		CO	203	.05	.05	.05	.05	.05	.05	.05	.05	.06	.06	.06	.06	.05
		IN	7	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
109	PATILLAS															
		DO	3,546	.86	.86	.71	.71	.74	.74	.77	.77	.82	.82	.71	.71	.77
		CO	247	.08	.08	.07	.07	.08	.08	.07	.07	.07	.07	.07	.07	.07
		IN	5	.07	.07	.08	.08	.10	.10	.06	.06	.11	.11	.06	.06	.08
111	PENUELAS															
		DO	3,766	.81	.81	.82	.82	.78	.78	.82	.82	.76	.76	.75	.75	.79
		CO	240	.09	.09	.09	.09	.08	.08	.10	.10	.08	.08	.10	.10	.09
		IN	8	.15	.15	.10	.10	.09	.09	.07	.07	.11	.11	.05	.05	.09
113	PONCE															
		DO	49,340	15.20	15.20	13.47	13.47	13.63	13.63	13.60	13.60	13.43	13.43	16.90	16.90	14.34
		CO	2,506	1.52	1.52	1.30	1.30	1.28	1.28	1.60	1.60	1.39	1.39	2.29	2.29	1.56
		IN	102	.98	.98	1.11	1.11	.93	.93	.96	.96	.57	.57	.55	.55	.85
115	QUEBRADILLAS															
		DO	5,054	.94	.94	.87	.87	.90	.90	.93	.93	.85	.85	.92	.92	.90
		CO	647	.26	.26	.21	.21	.21	.21	.23	.23	.23	.23	.21	.21	.23
		IN	16	.09	.09	.12	.12	.13	.13	.16	.16	.16	.16	.14	.14	.13
117	RINCON															
		DO	3,384	.72	.72	.64	.64	.68	.68	.69	.69	.89	.89	.62	.62	.71
		CO	246	.09	.09	.10	.10	.11	.11	.09	.09	.08	.08	.08	.08	.09
		IN	8	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02

Table 5. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
119	RIO GRANDE															
		DO	9,284	2.24	2.24	2.14	2.14	2.03	2.03	2.37	2.37	2.24	2.24	2.08	2.08	2.18
		CO	538	.26	.26	.24	.24	.24	.24	.27	.27	.28	.28	.21	.21	.25
		IN	16	.03	.03	.03	.03	.06	.06	.02	.02	.03	.03	.05	.05	.03
121	SABANA GRANDE															
		DO	6,556	1.26	1.26	1.19	1.19	1.12	1.12	1.14	1.14	1.24	1.24	1.17	1.17	1.18
		CO	403	.07	.07	.07	.07	.07	.07	.07	.07	.08	.08	.08	.08	.07
		IN	15	.03	.03	.04	.04	.04	.04	.04	.04	.05	.05	.04	.04	.04
123	SALINAS															
		DO	6,757	1.62	1.62	1.48	1.48	1.53	1.53	1.57	1.57	1.62	1.62	1.66	1.66	1.58
		CO	305	.08	.08	.08	.08	.10	.10	.08	.08	.08	.08	.08	.08	.08
		IN	9	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.02	.02	.02
125	SAN GERMAN															
		DO	7,589	1.48	1.48	1.46	1.46	1.40	1.40	1.48	1.48	1.70	1.70	1.49	1.49	1.50
		CO	560	.19	.19	.22	.22	.28	.28	.24	.24	.27	.27	.30	.30	.25
		IN	32	.19	.19	.18	.18	.17	.17	.18	.18	.17	.17	.21	.21	.18
127	SAN JUAN															
		DO	148,273	45.84	45.84	41.91	41.91	39.18	39.18	39.19	39.19	39.27	39.27	38.07	38.07	40.58
		CO	11,528	12.93	12.93	8.64	8.64	8.77	8.77	9.82	9.82	9.05	9.05	10.32	10.32	9.92
		IN	264	2.06	2.06	1.92	1.92	1.95	1.95	1.62	1.62	2.52	2.52	2.17	2.17	2.04
129	SAN LORENZO															
		DO	5,742	1.27	1.27	1.19	1.19	1.22	1.22	1.27	1.27	1.20	1.20	1.31	1.31	1.24
		CO	357	.11	.11	.10	.10	.10	.10	.09	.09	.09	.09	.09	.09	.10
		IN	28	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.03
131	SAN SEBASTIAN															
		DO	8,462	1.93	1.93	1.69	1.69	1.76	1.76	1.97	1.97	1.71	1.71	1.67	1.67	1.79
		CO	602	.19	.19	.16	.16	.15	.15	.17	.17	.16	.16	.16	.16	.16
		IN	12	.01	.01	.01	.01	.02	.02	.01	.01	.02	.02	.01	.01	.01
133	SANTA ISABEL															
		DO	4,644	.97	.97	.97	.97	1.00	1.00	.92	.92	1.34	1.34	.95	.95	1.02
		CO	186	.04	.04	.04	.04	.03	.03	.04	.04	.04	.04	.04	.04	.04
		IN	8	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
135	TOA ALTA															
		DO	7,295	1.81	1.81	1.57	1.57	1.51	1.51	1.84	1.84	1.72	1.72	1.67	1.67	1.68
		CO	320	.13	.13	.10	.10	.12	.12	.11	.11	.10	.10	.11	.11	.11
		IN	12	.22	.22	.16	.16	.08	.08	.13	.13	.16	.16	.14	.14	.15
137	TOA BAJA															
		DO	21,185	6.02	6.02	5.09	5.09	4.98	4.98	5.05	5.05	5.40	5.40	5.51	5.51	5.33
		CO	934	.57	.57	.35	.35	.36	.36	.48	.48	.33	.33	.31	.31	.40
		IN	40	.16	.16	.14	.14	.16	.16	.15	.15	.15	.15	.16	.16	.15

Table 5. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
139	TRUJILLO ALTO															
		DO	5,126	1.88	1.88	1.45	1.45	1.57	1.57	1.51	1.51	1.63	1.63	1.71	1.71	1.62
		CO	303	.13	.13	.10	.10	.10	.10	.10	.10	.12	.12	.10	.10	.11
		IN	8	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
141	UTUADO															
		DO	6,553	1.26	1.26	1.15	1.15	1.19	1.19	1.18	1.18	1.23	1.23	1.16	1.16	1.19
		CO	563	.13	.13	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12
		IN	11	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
143	VEGA ALTA															
		DO	6,285	1.51	1.51	1.38	1.38	1.34	1.34	1.35	1.35	1.50	1.50	1.43	1.43	1.42
		CO	373	.14	.14	.12	.12	.12	.12	.13	.13	.13	.13	.12	.12	.13
		IN	24	.60	.60	.72	.72	.74	.74	.81	.81	.84	.84	.75	.75	.74
145	VEGA BAJA															
		DO	13,135	2.68	2.68	2.64	2.64	2.68	2.68	2.74	2.74	2.73	2.73	2.74	2.74	2.68
		CO	850	.36	.36	.29	.29	.25	.25	.27	.27	.27	.27	.26	.26	.28
		IN	11	.15	.15	.11	.11	.17	.17	.12	.12	.14	.14	.14	.14	.14
147	VIEQUES															
		DO	2,722	.45	.45	.43	.43	.45	.45	.44	.44	.46	.46	.46	.46	.45
		CO	242	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05
		IN	3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
149	VILLALBA															
		DO	3,093	.72	.72 *	1.53 *	1.53	.62	.62	.64	.64	.62	.62	.62	.62	.64
		CO	149	.08	.09 *	.56 *	.56	.13	.13	.12	.12	.12	.12	.12	.12	.11
		IN	6	.01	.01	.02	.02	.01	.01	.01	.01	.02	.02	.01	.01	.01
151	YABUCOA															
		DO	5,646	1.37	1.37	1.16	1.16	1.25	1.25	1.30	1.30	1.27	1.27	1.28	1.28	1.27
		CO	403	.11	.11	.10	.10	.10	.10	.11	.11	.20	.20	.13	.13	.12
		IN	13	.01	.01	.02	.02	.01	.01	.01	.01	.04	.04	.01	.01	.02
153	YAUCO															
		DO	9,482	2.27	2.27	1.99	1.99	2.06	2.06	2.02	2.02	1.93	1.93	1.98	1.98	2.04
		CO	671	.20	.20	.17	.17	.18	.18	.19	.19	.17	.17	.20	.20	.18
		IN	12	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
	TOTAL	DO	813,363	213.63	213.63	193.24	193.24	193.66	193.66	195.69	195.69	197.63	197.63	197.96	197.96	198.48
		CO	55,574	33.36	33.36	27.04	27.04	27.08	27.08	29.25	29.25	28.27	28.27	30.43	30.43	29.21
		IN	2,098	13.55	13.55	13.86	13.86	13.46	13.46	12.96	12.96	13.88	13.88	13.08	13.08	13.43

* VALUES WERE NOT CONSIDERED TO DETERMINE ANNUAL RATE DUE TO SIGNIFICANT VARIATION

Table 6. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
001	ADJUNTAS															
		DO	3,016	0.70	0.70	0.86	0.86	0.78	0.78	0.73	0.73	0.57	0.57	0.60	0.60	0.71
		CO	151	.03	.03	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03
		IN	3	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00
003	AGUADA															
		DO	6,846	1.38	1.38	1.13	1.13	1.22	1.22	1.25	1.25	1.22	1.22	1.21	1.21	1.23
		CO	429	.10	.10	.09	.09	.09	.09	.08	.08	.08	.08	.09	.09	.09
		IN	12	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.02
005	AGUADILLA															
		DO	15,093	3.85	3.85	3.33	3.33	3.50	3.50	3.38	3.38	3.16	3.16	3.13	3.13	3.39
		CO	1,185	.34	.34	.30	.30	.31	.31	.29	.29	.28	.28	.32	.32	.31
		IN	46	.18	.18	.25	.25	.16	.16	.16	.16	.14	.14	.15	.15	.17
007	AGUAS BUENAS															
		DO	4,199	.83	.83	1.03	1.03	.92	.92	.85	.85	.80	.80	.82	.82	.87
		CO	264	.08	.08	.12	.12	.07	.07	.07	.07	.07	.07	.06	.06	.08
		IN	15	.03	.03	.04	.04	.02	.02	.02	.02	.03	.03	.02	.02	.03
009	AIBONITO															
		DO	5,368	1.09	1.09	.96	.96	.99	.99	1.04	1.04	.97	.97	1.02	1.02	1.01
		CO	470	.15	.15	.15	.15	.15	.15	.16	.16	.14	.14	.16	.16	.15
		IN	15	.18	.18	.19	.19	.18	.18	.17	.17	.16	.16	.17	.17	.18
011	ANASCO															
		DO	5,367	1.12	1.12	.99	.99	.98	.98	1.00	1.00	1.00	1.00	.97	.97	1.01
		CO	274	.08	.08	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.07
		IN	18	.05	.05	.07	.07	.04	.04	.04	.04	.04	.04	.05	.05	.05
013	ARECIBO															
		DO	24,381	5.86	5.86	5.25	5.25	5.16	5.16	5.15	5.15	5.09	5.09	4.84	4.84	5.22
		CO	1,792	.80	.80	.90	.90	.86	.86	.70	.70	.71	.71	.81	.81	.79
		IN	75	.42	.42	.36	.36	.26	.26	.20	.20	.27	.27	.34	.34	.31
015	ARROYO															
		DO	4,838	1.07	1.07	1.17	1.17	1.07	1.07	0.97	0.97	1.01	1.01	.99	.99	1.05
		CO	189	.06	.06	.05	.05	.05	.05	.05	.05	.04	.04	.04	.04	.05
		IN	12	.04	.04	.09	.09	.04	.04	.03	.03	.03	.03	.02	.02	.04
017	BARCELONETA															
		DO	5,139	1.15	1.15	.90	.90	1.02	1.02	.99	.99	.98	.98	.97	.97	1.00
		CO	360	.16	.16	.09	.09	.10	.10	.09	.09	.09	.09	.09	.09	.10
		IN	22	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
019	BARRANQUITAS															
		DO	3,696	.82	.82	.76	.76	.71	.71	.74	.74	.70	.70	.75	.75	.75
		CO	337	.10	.10	.08	.08	.07	.07	.09	.09	.08	.08	.09	.09	.09
		IN	4	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01

Table 6. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
021	BAYAMON															
		DO	49,718	12.43	12.43	11.03	11.03	11.38	11.38	11.17	11.17	11.23	11.23	11.09	11.09	11.39
		CO	3,620	1.53	1.53	1.40	1.40	1.76	1.76	1.30	1.30	1.28	1.28	1.28	1.28	1.42
		IN	126	.25	.25	.27	.27	.24	.24	.29	.29	.29	.29	.26	.26	.27
023	CABO ROJO															
		DO	10,983	2.10	2.10	1.75	1.75	1.95	1.95	1.99	1.99	1.96	1.96	1.86	1.86	1.94
		CO	794	* .74	* .74	.27	.27	.28	.28	.30	.30	.29	.29	.26	.26	.28
		IN	24	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03	.03
025	CAGUAS															
		DO	30,610	7.31	7.31	6.79	6.79	6.98	6.98	6.94	6.94	6.59	6.59	6.36	6.36	6.83
		CO	1,770	.70	.70	.67	.67	.58	.58	.62	.62	1.04	1.04	.64	.64	.71
		IN	176	.39	.39	.38	.38	.41	.41	.34	.34	.42	.42	.29	.29	.37
027	CAMUY															
		DO	6,085	.76	.76	.98	.98	1.09	1.09	.93	.93	.92	.92	.87	.87	.93
		CO	502	.13	.13	.18	.18	.15	.15	.15	.15	.15	.15	.15	.15	.15
		IN	16	.01	.01	.04	.04	.03	.03	.03	.03	.04	.04	.04	.04	.03
029	CANOVANAS															
		DO	5,755	1.39	1.39	1.35	1.35	1.31	1.31	1.18	1.18	1.20	1.20	1.17	1.17	1.26
		CO	404	.14	.14	.15	.15	.13	.13	.13	.13	.14	.14	.14	.14	.14
		IN	8	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
031	CAROLINA															
		DO	40,650	9.85	9.85	8.67	8.67	9.58	9.58	8.82	8.82	9.18	9.18	8.96	8.96	9.16
		CO	1,954	2.27	2.27	2.15	2.15	3.42	3.42	1.93	1.93	1.99	1.99	2.05	2.05	2.30
		IN	96	.45	.45	.55	.55	.46	.46	.57	.57	.67	.67	.50	.50	.53
033	CATANO															
		DO	6,291	2.87	2.87	2.76	2.76	2.67	2.67	2.49	2.49	2.76	2.76	2.66	2.66	2.70
		CO	332	* .44	* .44	.13	.13	* .41	* .41	.15	.15	.15	.15	.14	.14	.14
		IN	99	1.56	1.56	2.07	2.07	1.92	1.92	1.55	1.55	1.54	1.54	1.73	1.73	1.72
035	CAYEY															
		DO	11,078	2.01	2.01	1.96	1.96	1.91	1.91	1.86	1.86	1.96	1.96	1.92	1.92	1.94
		CO	879	.22	.22	.27	.27	.24	.24	.19	.19	.22	.22	.19	.19	.22
		IN	21	.13	.13	.14	.14	.15	.15	.14	.14	.16	.16	.14	.14	.14
037	CEIBA															
		DO	3,568	.68	.68	.57	.57	.63	.63	.59	.59	.57	.57	.60	.60	.61
		CO	180	.04	.04	.04	.04	.03	.03	.04	.04	.03	.03	.04	.04	.04
		IN	13	.02	.02	.02	.02	.01	.01	.03	.03	.02	.02	.05	.05	.03
039	CIALES															
		DO	3,226	.64	.64	.60	.60	.60	.60	.78	.78	.60	.60	.63	.63	.64
		CO	241	.06	.06	.05	.05	.05	.05	.07	.07	.05	.05	.06	.06	.06
		IN	10	.03	.03	.04	.04	.03	.03	.03	.03	.03	.03	.02	.02	.03

Table 6. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
041	CIDRA															
		DO	5,602	1.18	1.18	1.04	1.04	1.05	1.05	1.05	1.05	1.06	1.06	1.08	1.08	1.08
		CO	469	* .32	* .32	.18	.18	.19	.19	.18	.18	.18	.18	.17	.17	.18
		IN	28	.09	.09	.09	.09	.10	.10	.12	.12	.13	.13	.14	.14	.11
043	COAMO															
		DO	6,841	1.62	1.62	1.22	1.22	1.29	1.29	1.26	1.26	1.19	1.19	1.18	1.18	1.29
		CO	397	.09	.09	.07	.07	.08	.08	.07	.07	.08	.08	.10	.10	.08
		IN	24	.20	.20	.20	.20	.21	.21	.19	.19	.19	.19	.19	.19	.20
045	COMERIO															
		DO	3,782	.76	.76	.71	.71	.68	.68	.71	.71	.70	.70	.71	.71	.71
		CO	286	.07	.07	.06	.06	.06	.06	.06	.06	.07	.07	.05	.05	.06
		IN	6	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
047	COROZAL															
		CO	5,873	1.30	1.30	0.99	0.99	1.17	1.17	1.26	1.26	1.10	1.10	1.07	1.07	1.14
		CO	385	.12	.12	.09	.09	.09	.09	.10	.10	.09	.09	.11	.11	.10
		IN	10	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
049	CULEBRA															
		DO	337	* .08	* .08	.03	.03	.03	.03	.03	.03	.04	.04	.02	.02	.03
		CO	44	.01	.01	.01	.01	.01	.01	.04	.04	.01	.01	.01	.01	.01
		IN	1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
051	DORADO															
		DO	6,939	1.55	1.55	1.80	1.80	1.78	1.78	1.50	1.50	1.43	1.43	1.34	1.34	1.56
		CO	372	.17	.17	.27	.27	.15	.15	.19	.19	.21	.21	.22	.22	.20
		IN	11	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01
053	FAJARDO															
		DO	10,616	2.22	2.22	2.05	2.05	2.15	2.15	2.00	2.00	1.96	1.96	1.99	1.99	2.06
		CO	773	.38	.38	.37	.37	.36	.36	.34	.34	.28	.28	.56	.56	.38
		IN	30	.04	.04	.03	.03	.05	.05	.07	.07	.10	.10	.11	.11	.07
054	FLORIDA															
		DO	2,368	.46	.46	.40	.40	.39	.39	.42	.42	.36	.36	.39	.39	.40
		CO	156	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
		IN	3	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
055	GUANICA															
		DO	5,504	1.09	1.09	.97	.97	1.06	1.06	1.00	1.00	1.08	1.08	1.02	1.02	1.04
		CO	260	.09	.09	.08	.08	.08	.08	.10	.10	.07	.07	.07	.07	.08
		IN	9	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.02	.02	.02
057	GUAYAMA															
		DO	9,244	2.29	2.29	2.11	2.11	2.23	2.23	2.17	2.17	2.21	2.21	2.20	2.20	2.20
		CO	560	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16
		IN	23	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04

Table 6. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
059	GUAYANILLA															
		DO	5,160	1.11	1.11	1.18	1.18	0.99	0.99	1.05	1.05	1.10	1.10	0.99	0.99	1.07
		CO	280	.07	.07	.10	.10	.05	.05	.06	.06	.06	.06	.05	.05	.07
		IN	4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
061	GUAYNABO															
		DO	20,216	7.82	7.82	6.92	6.92	8.22	8.22	6.88	6.88	6.75	6.75	7.21	7.21	7.28
		CO	1,261	1.83	1.83	1.34	1.34	1.20	1.20	1.22	1.22	1.09	1.09	1.18	1.18	1.30
		IN	62	.37	.37	.38	.38	.40	.40	.36	.36	.37	.37	.35	.35	.37
063	GURABO															
		DO	5,146	1.00	1.00	1.11	1.11	.93	.93	1.09	1.09	.91	.91	.92	.92	.99
		CO	244	.07	.07	.07	.07	.06	.06	.08	.08	.06	.06	.07	.07	.07
		IN	9	.01	.01	.01	.01	.01	.01	.01	.01	.03	.03	.03	.03	.01
065	HATILLO															
		DO	7,204	1.29	1.29	1.19	1.19	1.17	1.17	1.20	1.20	1.17	1.17	1.15	1.15	1.21
		CO	575	.36	.36	.31	.31	.30	.30	.28	.28	.27	.27	.27	.27	.30
		IN	39	.10	.10	.18	.18	.08	.08	.08	.08	.07	.07	.07	.07	.10
067	HORMIGUEROS															
		DO	4,462	.94	.94	.85	.85	.81	.81	.83	.83	.83	.83	.80	.80	.84
		CO	185	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04
		IN	13	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01
069	HUMACAO															
		DO	14,030	3.07	3.07	3.28	3.28	3.01	3.01	2.83	2.83	3.04	3.04	2.90	2.90	3.02
		CO	1,121	.88	.88	1.01	1.01	.59	.59	.69	.69	.69	.69	.69	.69	.76
		IN	76	.36	.36	.40	.40	.34	.34	.39	.39	.42	.42	.42	.42	.39
071	ISABELA															
		DO	9,722	1.70	1.70	1.74	1.74	2.04	2.04	1.72	1.72	1.63	1.63	1.65	1.65	1.77
		CO	894	.24	.24	.24	.24	.24	.24	.28	.28	.25	.25	.25	.25	.25
		IN	23	.03	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03	.03	.03
073	JAYUYA															
		DO	2,441	.50	.50	.44	.44	.50	.50	.49	.49	.47	.47	.46	.46	.48
		CO	250	.06	.06	.04	.04	.05	.05	.05	.05	.05	.05	.05	.05	.05
		IN	14	.03	.03	.03	.03	.05	.05	.02	.02	.01	.01	.02	.02	.03
075	JUANA DIAZ															
		DO	7,739	1.74	1.74	1.69	1.69	1.53	1.53	1.61	1.61	1.54	1.54	1.54	1.54	1.61
		CO	355	.12	.12	.10	.10	.11	.11	.10	.10	.10	.10	.09	.09	.10
		IN	16	.06	.06	.05	.05	.03	.03	.03	.03	.03	.03	.03	.03	.04
077	JUNCOS															
		DO	6,926	1.41	1.41	1.37	1.37	1.34	1.34	1.23	1.23	1.25	1.25	1.25	1.25	1.31
		CO	569	.16	.16	.19	.19	.17	.17	.12	.12	.11	.11	.12	.12	.14
		IN	38	.07	.07	.06	.06	.06	.06	.06	.06	.07	.07	.08	.08	.07

Table 6. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
079	LAJAS															
		DO	6,164	1.19	1.19	1.03	1.03	1.08	1.08	1.34	1.34	1.07	1.07	1.10	1.10	1.13
		CO	474	.13	.13	.11	.11	.11	.11	.14	.14	.11	.11	.11	.11	.12
		IN	7	.01	.01	.02	.02	.01	.01	.00	.00	.00	.00	.01	.01	.01
081	LARES															
		DO	6,296	1.12	1.12	1.05	1.05	1.08	1.08	1.03	1.03	1.08	1.08	1.06	1.06	1.07
		CO	401	.09	.09	.08	.08	.08	.08	.07	.07	.08	.08	.08	.08	.08
		IN	6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
083	LAS MARIAS															
		DO	1,634	.35	.35	.32	.32	.31	.31	.27	.27	.27	.27	.30	.30	.30
		CO	101	.04	.04	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
		IN	0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
085	LAS PIEDRAS															
		DO	5,082	.90	.90	1.04	1.04	.96	.96	.90	.90	.89	.89	.94	.94	.94
		CO	385	.08	.08	.10	.10	.08	.08	.08	.08	.08	.08	.09	.09	.08
		IN	30	.17	.17	.08	.08 *	.27 *	.27	.08	.08	.15	.15	.11	.11	.12
087	LOIZA															
		DO	6,317	1.48	1.48	1.49	1.49	1.39	1.39	1.52	1.52	1.32	1.32	1.26	1.26	1.41
		CO	293	.10	.10	.11	.11	.09	.09	.14	.14	.09	.09	.10	.10	.11
		IN	2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
089	LUQUILLO															
		DO	5,661	1.38	1.38	1.15	1.15	1.08	1.08	1.04	1.04	1.02	1.02	.99	.99	1.11
		CO	171	.10	.10	.08	.08	.07	.07	.07	.07	.08	.08	.07	.07	.08
		IN	24	.06	.06	.05	.05	.05	.05	.02	.02	.02	.02	.02	.02	.04
091	MANATI															
		DO	10,692	2.03	2.03	2.06	2.06	1.97	1.97	1.95	1.95	1.91	1.91	1.92	1.92	1.97
		CO	858 *	.66 *	.66 *	.65 *	.65	.23	.23	.23	.23	.24	.24	.32	.32	.26
		IN	39	.08	.08	.07	.07	.06	.06	.06	.06	.05	.05	.08	.08	.07
093	MARICAO															
		DO	803	.16	.16	.18	.18	.19	.19	.14	.14	.14	.14	.14	.14	.16
		CO	42	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
		IN	6	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
095	MAUNABO															
		DO	2,310	.47	.47	.50	.50	.53	.53	.45	.45	.48	.48	.48	.48	.49
		CO	153	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.03	.03	.03
		IN	5	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
097	MAYAGUEZ															
		DO	27,182	8.53	8.53	5.61	5.61	6.04	6.04	6.07	6.07	5.94	5.94	5.98	5.98	6.35
		CO	2,169	1.12	1.12	.86	.86	.99	.99	.97	.97	.82	.82	.88	.88	.92
		IN	86	2.01	2.01	2.10	2.10	1.40	1.40	2.04	2.04	2.13	2.13	1.91	1.91	1.93

Table 6. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
099	MOCA															
		DO	6,213	1.28	1.28	1.25	1.25	1.05	1.05	.91	.91	1.06	1.06	1.01	1.01	1.09
		CO	365	.08	.08	.09	.09	.11	.11	.09	.09	.06	.06	.09	.09	.09
		IN	7	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01
101	MOROVIS															
		DO	4,464	.92	.92	.88	.88	.85	.85	1.06	1.06	.83	.83	.85	.85	.90
		CO	337	.10	.10	.11	.11	.09	.09	.10	.10	.10	.10	.10	.10	.10
		IN	6	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
103	NAGUABO															
		DO	4,958	1.00	1.00	1.24	1.24	.96	.96	.92	.92	.95	.95	.96	.96	1.01
		CO	384	.08	.08	.09	.09	.10	.10	.08	.08	.09	.09	.07	.07	.09
		IN	29	.02	.02	.03	.03	.02	.02	.06	.06	.01	.01	.03	.03	.03
105	NARANJITO															
		DO	4,457	1.19	1.19	.89	.89	1.09	1.09	1.05	1.05	0.97	.97	.94	.94	1.02
		CO	306	.09	.09	.08	.08	.07	.07	.08	.08	.08	.08	.07	.07	.08
		IN	3	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
107	OROCOVIS															
		DO	3,716	.68	.68	.71	.71	.60	.60	.60	.60	.66	.66	.66	.66	.65
		CO	204	.06	.06	.06	.06	.06	.06	.05	.05	.04	.04	.04	.04	.05
		IN	7	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
109	PATILLAS															
		DO	3,572	.64	.64	.82	.82	.63	.63	.63	.63	.67	.67	.65	.65	.67
		CO	240	.06	.06	.08	.08	.06	.06	.06	.06	.05	.05	.06	.06	.06
		IN	4	.11	.11	.08	.08	.10	.10	.13	.13	.15	.15	.03	.03	.10
111	PENUELAS															
		DO	3,918	.79	.79	.80	.80	.73	.73	.73	.73	.75	.75	.70	.70	.75
		CO	226	.07	.07	.08	.08	.06	.06	.06	.06	.06	.06	.06	.06	.07
		IN	6	.08	.08	.06	.06	.04	.04	.03	.03	.01	.01	.00	.00	.04
113	PONCE															
		DO	49,347	13.50	13.50	12.66	12.66	12.91	12.91	11.77	11.77	11.62	11.62	11.19	11.19	12.27
		CO	2,427	2.91	2.91	* 5.53	* 5.53	* 5.22	* 5.22	3.62	3.62	1.06	1.06	1.02	1.02	2.15
		IN	103	.59	.59	.59	.59	.64	.64	.46	.46	.52	.52	.52	.52	.55
115	QUEBRADILLAS															
		DO	5,188	.91	.91	.94	.94	.93	.93	.91	.91	.87	.87	.79	.79	.89
		CO	523	.21	.21	.20	.20	.23	.23	.19	.19	.19	.19	.16	.16	.20
		IN	21	.11	.11	.08	.08	.14	.14	.08	.08	.17	.17	.09	.09	.11
117	RINCON															
		DO	3,438	.70	.70	.78	.78	.79	.79	.78	.78	.79	.79	.57	.57	.73
		CO	245	.08	.08	.08	.08	.06	.06	.06	.06	.06	.06	.06	.06	.07
		IN	7	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01

Table 6. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
119	RIO GRANDE															
		DO	9,574	2.28	2.28	2.38	2.38	2.10	2.10	1.87	1.87	1.84	1.84	1.82	1.82	2.05
		CO	510	.29	.29	.23	.23	.28	.28	.19	.19	.13	.13	.14	.14	.21
		IN	22	.04	.04	.04	.04	.03	.03	.02	.02	.02	.02	.01	.01	.03
121	SABANA GRANDE															
		DO	6,749	1.21	1.21	1.28	1.28	1.17	1.17	1.14	1.14	1.22	1.22	1.12	1.12	1.19
		CO	405	.07	.07	.07	.07	.07	.07	.06	.06	.07	.07	.07	.07	.07
		IN	15	.04	.04	.05	.05	.04	.04	.02	.02	.03	.03	.03	.03	.03
123	SALINAS															
		DO	6,633	1.48	1.48	1.33	1.33	1.44	1.44	1.43	1.43	1.33	1.33	1.33	1.33	1.39
		CO	292	.07	.07	.07	.07	.06	.06	.07	.07	.06	.06	.07	.07	.07
		IN	7	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
125	SAN GERMAN															
		DO	7,800	1.59	1.59	1.57	1.57	1.50	1.50	1.39	1.39	1.44	1.44	1.43	1.43	1.49
		CO	554	.24	.24	.26	.26	.25	.25	.20	.20	.22	.22	.21	.21	.23
		IN	32	* .53	* .53	.20	.20	.16	.16	.21	.21	.22	.22	.22	.22	.20
127	SAN JUAN															
		DO	136,335	42.59	42.59	37.66	37.66	36.54	36.54	36.90	36.90	38.53	38.53	36.25	36.25	38.08
		CO	12,148	9.48	9.48	9.34	9.34	8.95	8.95	8.09	8.09	7.15	7.15	8.84	8.84	8.64
		IN	264	2.02	2.02	1.56	1.56	1.68	1.68	1.49	1.49	1.34	1.34	1.51	1.51	1.60
129	SAN LORENZO															
		DO	6,198	1.19	1.19	1.37	1.37	1.20	1.20	1.14	1.14	1.10	1.10	1.13	1.13	1.19
		CO	346	.09	.09	.11	.11	.11	.11	.08	.08	.08	.08	.07	.07	.09
		IN	30	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02
131	SAN SEBASTIAN															
		DO	8,702	1.68	1.68	1.66	1.66	1.46	1.46	1.38	1.38	1.37	1.37	1.44	1.44	1.50
		CO	595	.16	.16	.23	.23	.13	.13	.14	.14	.12	.12	.15	.15	.16
		IN	12	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
133	SANTA ISABEL															
		DO	4,580	.98	.98	.87	.87	.89	.89	.83	.83	.86	.86	.84	.84	.88
		CO	188	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
		IN	13	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01
135	TOA ALTA															
		DO	7,600	1.92	1.92	1.47	1.47	1.69	1.69	1.64	1.64	1.52	1.52	1.58	1.58	1.63
		CO	311	.10	.10	.09	.09	.10	.10	.10	.10	.09	.09	.10	.10	.10
		IN	13	.14	.14	.13	.13	.13	.13	.12	.12	.09	.09	.08	.08	.11
137	TOA BAJA															
		DO	21,966	5.40	5.40	4.88	4.88	5.03	5.03	5.95	5.95	4.95	4.95	5.15	5.15	5.23
		CO	901	.43	.43	.33	.33	.32	.32	.30	.30	.28	.28	.30	.30	.33
		IN	38	.18	.18	.21	.21	.16	.16	.18	.18	.15	.15	.16	.16	.17

Table 6. Domestic, commercial, and industrial monthly withdrawals from public water supply facilities by municipio for 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO		CONNECTIONS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
139	TRUJILLO ALTO															
		DO	5,122	1.54	1.54	1.52	1.52	1.40	1.40	1.42	1.42	1.43	1.43	1.45	1.45	1.46
		CO	305	.11	.11	.12	.12	.11	.11	.19	.19	.10	.10	.11	.11	.12
		IN	7	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
141	UTUADO															
		DO	6,662	1.22	1.22	1.34	1.34	1.14	1.14	1.13	1.13	1.19	1.19	1.16	1.16	1.20
		CO	522	.11	.11	.11	.11	.10	.10	.10	.10	.10	.10	.10	.10	.10
		IN	8	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
143	VEGA ALTA															
		DO	6,366	1.36	1.36	1.59	1.59	1.36	1.36	1.35	1.35	1.32	1.32	1.30	1.30	1.38
		CO	375	.11	.11	.21	.21	.12	.12	.11	.11	.12	.12	.14	.14	.14
		IN	20	.76	.76	.76	.76	.58	.58	.65	.65	.62	.62	.58	.58	.66
145	VEGA BAJA															
		DO	13,652	2.90	2.90	2.73	2.73	2.58	2.58	2.52	2.52	2.56	2.56	2.61	2.61	2.65
		CO	844	.32	.32	.29	.29	.31	.31	.24	.24	.23	.23	.25	.25	.27
		IN	39	.12	.12	.13	.13	.13	.13	.14	.14	.13	.13	.07	.07	.12
147	VIEQUES															
		DO	2,842	.46	.46	.45	.45	.50	.50	.44	.44	.50	.50	.43	.43	.46
		CO	194	.05	.05	.06	.06	.05	.05	.04	.04	.06	.06	.05	.05	.05
		IN	4	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00
149	VILLALBA															
		DO	3,200	.64	.64	.63	.63	.63	.63	.58	.58	.61	.61	.58	.58	.61
		CO	140	.12	.12	.12	.12	.12	.12	.11	.11	.12	.12	.12	.12	.12
		IN	10	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
151	YABUCOA															
		DO	5,735	1.28	1.28	1.14	1.14	1.14	1.14	1.10	1.10	1.15	1.15	1.24	1.24	1.18
		CO	407	.14	.14	.11	.11	.11	.11	.10	.10	.09	.09	.21	.21	.13
		IN	11	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
153	YAUCO															
		DO	9,686	1.99	1.99	2.05	2.05	1.87	1.87	1.88	1.88	1.95	1.95	1.87	1.87	1.94
		CO	669	.21	.21	.18	.18	.14	.14	.15	.15	.17	.17	.15	.15	.16
		IN	16	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.03
	TOTAL	DO	816,873	201.92	201.92	185.25	185.25	185.63	185.63	181.34	181.34	180.45	180.45	176.51	176.51	185.15
		CO	55,573	30.39	30.39	28.60	28.60	28.66	28.66	27.14	27.14	23.38	23.38	25.54	25.54	27.27
		IN	2,209	12.32	12.32	12.62	12.62	11.23	11.23	11.16	11.16	11.49	11.49	11.07	11.07	11.63

* VALUES WERE NOT CONSIDERED TO DETERMINE ANNUAL RATE DUE TO SIGNIFICANT VARIATION

Table 7. Domestic self-supply by municipio for 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	POPULATION NOT SERVED	USE	MUNICIPIO CODE	MUNICIPIO	POPULATION NOT SERVED	USE
001	ADJUNTAS	9,264	0.37	077	JUNCOS	2,387	0.10
003	AGUADA	8,670	.35	079	LAJAS	5,151	.21
005	AGUADILLA	7,518	.30	081	LARES	6,568	.26
007	AGUAS BUENAS	9,255	.37	083	LAS MARIAS	3,967	.16
009	AIBONITO	4,583	.18	085	LAS PIEDRAS	7,344	.29
011	ANASCO	6,312	.26	087	LOIZA	--	--
013	ARECIBO	13,419	.54	089	LUQUILLO	2,461	.10
015	ARROYO	2,047	.08	091	MANATI	5,396	.21
017	BARCELONETA	3,436	.14	093	MARICAO	4,365	.18
019	BARRANQUITAS	9,485	.38	095	MAUNABO	3,460	.14
* 021	BAYAMON	--	--	097	MAYAGUEZ	21,291	.85
023	CABO ROJO	6,680	.27	099	MOCA	7,898	.32
025	CAGUAS	21,924	.88	101	MOROVIS	5,257	.21
027	CAMUY	5,210	.21	103	NAGUABO	6,125	.24
029	CANOVANAS	12,549	.50	105	NARANJITO	9,946	.40
* 031	CAROLINA	--	--	107	ORCOVIS	6,974	.27
* 033	CATANO	--	--	109	PATILLAS	5,974	.24
035	CAYEY	5,994	.24	111	PENUELAS	6,329	.26
037	CEIBA	5,562	.22	113	PONCE	26,135	1.04
039	CIALES	5,573	.22	115	QUEBRADILLAS	2,569	.11
041	CIDRA	10,189	.40	117	RINCON	2,112	.08
043	COAMO	9,009	.37	* 119	RIO GRANDE	--	--
045	COMERIO	6,317	.26	121	SABANA GRANDE	563	.02
047	COROZAL	11,064	.45	123	SALINAS	5,410	.22
049	CULEBRA	422	.02	125	SAN GERMAN	8,223	.34
051	DORADO	5,958	.24	127	SAN JUAN	--	--
053	FAJARDO	5,918	.24	129	SAN LORENZO	13,851	.56
054	FLORIDA	549	.02	131	SAN SEBASTIAN	10,943	.43
055	GUANICA	3,247	.13	133	SANTA ISABEL	4,843	.19
057	GUAYAMA	9,152	.37	* 135	TOA ALTA	--	--
059	GUAYANILLA	3,771	.14	* 137	TOA BAJA	--	--
* 061	GUAYNABO	--	--	* 139	TRUJILLO ALTO	--	--
063	GURABO	7,795	.30	141	UTUADO	12,893	.51
065	HATILLO	5,921	.24	143	VEGA ALTA	8,179	.32
067	HORMIGUEROS	1,068	.05	145	VEGA BAJA	7,518	.30
069	HUMACAO	6,964	.27	147	VIEQUES	1,108	.05
071	ISABELA	7,416	.30	149	VILLALBA	10,016	.40
073	JAYUYA	6,626	.27	151	YABUCOA	11,906	.48
075	JUANA DIAZ	15,474	.62	153	YAUCO	9,002	.35
					TOTAL	500,658	20.04

* MUNICIPIOS NOT CONSIDERED TO ESTIMATE DOMESTIC SELF-SUPPLY USE

Table 8. Domestic self-supply by municipio for 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	POPULATION NOT SERVED	USE	MUNICIPIO CODE	MUNICIPIO	POPULATION NOT SERVED	USE
001	ADJUNTAS	8,643	0.35	077	JUNCOS	3,382	0.13
003	AGUADA	7,984	.32	079	LAJAS	4,264	.18
005	AGUADILLA	8,008	.32	081	LARES	5,913	.24
007	AGUAS BUENAS	8,908	.35	083	LAS MARIAS	3,831	.16
009	AIBONITO	3,875	.16	085	LAS PIEDRAS	6,529	.26
011	ANASCO	6,101	.24	087	LOIZA	--	--
013	ARECIBO	11,391	.45	089	LUQUILLO	2,007	.08
015	ARROYO	1,971	.08	091	MANATI	4,567	.18
017	BARCELONETA	3,208	.13	093	MARICAO	4,250	.18
019	BARRANQUITAS	8,747	.35	095	MAUNABO	3,427	.13
* 021	BAYAMON	--	--	097	MAYAGUEZ	16,381	.66
023	CABO ROJO	5,847	.24	099	MOCA	7,530	.30
025	CAGUAS	19,456	.78	101	MOROVIS	4,150	.16
027	CAMUY	5,285	.21	103	NAGUABO	5,927	.24
029	CANOVANAS	12,760	.51	105	NARANJITO	9,009	.35
* 031	CAROLINA	--	--	107	ORCOVIS	6,273	.26
* 033	CATANO	--	--	109	PATILLAS	5,352	.21
035	CAYEY	5,434	.22	111	PENUELAS	5,745	.22
037	CEIBA	5,665	.22	113	PONCE	21,365	.85
039	CIALES	5,181	.21	115	QUEBRADILLAS	2,313	.10
041	CIDRA	9,248	.37	117	RINCON	1,938	.08
043	COAMO	7,472	.30	* 119	RIO GRANDE	--	--
045	COMERIO	5,460	.22	121	SABANA GRANDE	836	.03
047	COROZAL	8,773	.35	123	SALINAS	5,178	.21
049	CULEBRA	423	.02	125	SAN GERMAN	9,522	.24
051	DORADO	5,513	.22	* 127	SAN JUAN	--	--
053	FAJARDO	5,451	.22	129	SAN LORENZO	13,141	.33
054	FLORIDA	209	--	131	SAN SEBASTIAN	8,517	.21
055	GUANICA	3,134	.13	133	SANTA ISABEL	4,654	.12
057	GUAYAMA	8,142	.32	* 135	TOA ALTA	--	--
059	GUAYANILLA	3,336	.13	* 137	TOA BAJA	--	--
* 061	GUAYNABO	--	--	* 139	TRUJILLO ALTO	--	--
063	GURABO	6,930	.27	141	UTUADO	12,263	.31
065	HATILLO	5,550	.22	143	VEGA ALTA	7,977	.20
067	HORMIGUEROS	716	.03	145	VEGA BAJA	6,271	.16
069	HUMACAO	5,092	.21	147	VIEQUES	865	.03
071	ISABELA	6,674	.27	149	VILLALBA	9,103	.37
073	JAYUYA	6,110	.24	151	YABUCOA	11,522	.46
075	JUANA DIAZ	15,072	.61	153	YAUCO	7,010	.29
					TOTAL	452,781	18.15

* MUNICIPIOS NOT CONSIDERED TO ESTIMATE DOMESTIC SELF-SUPPLY USE

Table 9. Domestic self-supply by municipio for 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	POPULATION NOT SERVED	USE	MUNICIPIO CODE	MUNICIPIO	POPULATION NOT SERVED	USE
001	ADJUNTAS	8,427	0.34	077	JUNCOS	3,553	0.14
003	AGUADA	7,885	.32	079	LAJAS	4,557	.18
005	AGUADILLA	8,218	.32	081	LARES	5,292	.21
007	AGUAS BUENAS	8,590	.34	083	LAS MARIAS	3,863	.16
009	AIBONITO	3,698	.14	085	LAS PIEDRAS	6,387	.26
011	ANASCO	6,130	.24	087	LOIZA	--	--
013	ARECIBO	11,801	.48	089	LUQUILLO	2,474	.10
015	ARROYO	1,707	.06	091	MANATI	4,047	.16
017	BARCELONETA	3,463	.14	093	MARICAO	4,335	.18
019	BARRANQUITAS	7,715	.30	095	MAUNABO	3,458	.14
* 021	BAYAMON	--	--	097	MAYAGUEZ	16,243	.66
023	CABO ROJO	5,626	.22	099	MOCA	7,494	.30
025	CAGUAS	19,424	.77	101	MOROVIS	4,143	.16
027	CAMUY	6,317	.26	103	NAGUABO	6,048	.24
029	CANOVANAS	13,674	.54	105	NARANJITO	8,054	.32
* 031	CAROLINA	--	--	107	ORCOVIS	5,428	.22
* 033	CATANO	--	--	109	PATILLAS	5,216	.21
035	CAYEY	4,513	.18	111	PENUELAS	5,420	.22
037	CEIBA	4,294	.18	113	PONCE	22,896	.91
039	CIALES	5,040	.21	115	QUEBRADILLAS	2,167	.08
041	CIDRA	9,014	.35	117	RINCON	2,011	.08
043	COAMO	7,718	.30	* 119	RIO GRANDE	--	--
045	COMERIO	5,049	.21	121	SABANA GRANDE	554	.02
047	COROZAL	7,988	.32	123	SALINAS	5,869	.24
049	CULEBRA	523	.02	125	SAN GERMAN	9,288	.37
051	DORADO	5,633	.22	* 127	SAN JUAN	--	--
053	FAJARDO	5,443	.22	129	SAN LORENZO	11,933	.48
054	FLORIDA	163	--	131	SAN SEBASTIAN	8,230	.32
055	GUANICA	2,769	.11	133	SANTA ISABEL	5,038	.19
057	GUAYAMA	10,602	.42	* 135	TOA ALTA	--	--
059	GUAYANILLA	3,316	.13	* 137	TOA BAJA	--	--
* 061	GUAYNABO	--	--	* 139	TRUJILLO ALTO	--	--
063	GURABO	7,101	.29	141	UTUADO	11,801	.48
065	HATILLO	5,302	.21	143	VEGA ALTA	8,164	.32
067	HORMIGUEROS	633	.03	145	VEGA BAJA	5,679	.22
069	HUMACAO	4,865	.19	147	VIEQUES	548	.02
071	ISABELA	6,618	.26	149	VILLALBA	8,788	.35
073	JAYUYA	5,855	.24	151	YABUCOA	11,401	.45
075	JUANA DIAZ	15,311	.61	153	YAUCO	6,524	.26
					TOTAL	447,328	16.34

* MUNICIPIOS NOT CONSIDERED TO ESTIMATE DOMESTIC SELF-SUPPLY USE

Table 10. Livestock water use by municipio for 1982, in gallons per day.

MUNICIPIO CODE	MUNICIPIO	LIVESTOCK USE	MUNICIPIO CODE	MUNICIPIO	LIVESTOCK USE	MUNICIPIO CODE	MUNICIPIO	LIVESTOCK USE
001	ADJUNTAS	24,291	053	FAJARDO	87,028	103	NAGUABO	236,806
003	AGUADA	22,424	054	FLORIDA	56,611	105	NARANJITO	59,667
005	AGUADILLA	57,532	055	GUANICA	5,417	107	OROCOVIS	90,232
007	AGUAS BUENAS	77,783	057	GUAYAMA	78,801	109	PATILLAS	48,852
009	AIBONITO	135,171	059	GUAYANILLA	36,079	111	PENUELAS	23,883
011	ANASCO	17,235	061	GUAYNABO	6,352	113	PONCE	52,443
013	ARECIBO	716,625	063	GURABO	192,281	115	QUEBRADILLAS	136,827
015	ARROYO	14,626	065	HATILLO	949,059	117	RINCON	30,404
017	BARCELONETA	83,677	067	HORMIGUEROS	8,898	119	RIO GRANDE	62,480
019	BARRANQUITAS	84,014	069	HUMACAO	103,503	121	SABANA GRANDE	42,930
021	BAYAMON	27,185	071	ISABELA	215,470	123	SALINAS	74,968
023	CABO ROJO	129,363	073	JAYUYA	33,572	125	SAN GERMAN	66,162
025	CAGUAS	235,052	075	JUANA DIAZ	72,154	127	SAN JUAN	13,432
027	CAMUY	403,763	077	JUNCOS	212,646	129	SAN LORENZO	250,047
029	CANOVANAS	89,477	079	LAJAS	128,155	131	SAN SEBASTIAN	264,907
031	CAROLINA	141,038	081	LARES	34,459	133	SANTA ISABEL	6,905
033	CATANO		083	LAS MARIAS	27,452	135	TOA ALTA	143,088
035	CAYEY	136,250	085	LAS PIEDRAS	225,683	137	TOA BAJA	55,381
037	CEIBA	48,205	087	LOIZA	29,639	139	TRUJILLO ALTO	53,065
039	CIALES	54,087	089	LUQUILLO	81,169	141	UTUADO	134,351
041	CIDRA	164,523	091	MANATI	198,196	143	VEGA ALTA	123,171
043	COAMO	216,354	093	MARICAO	1,713	145	VEGA BAJA	167,517
045	COMERIO	46,952	095	MAUNABO	26,546	147	VIEQUES	1,362
047	COROZAL	110,544	097	MAYAGUEZ	53,707	149	VILLALBA	31,626
049	CULEBRA	15,444	099	MOCA	53,177	151	YABUCOA	100,674
051	DORADO	139,289	101	MOROVIS	198,156	153	YAUCO	67,170

TOTAL WATER USE = 8,645,727

Table 11. Ground-water withdrawals by Puerto Rico Sugar Corporation for irrigation in the south coast during 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
015	ARROYO	0.19	1.61	1.27	1.07	1.22	0.55	0.66	1.18	2.06	0.25	0.92	1.21	1.02
055	GUANICA	3.32	2.65	2.62	0.00	1.82	4.77	2.76	1.65	1.40	0.00	4.44	4.44	2.49
029	GUAYANILLA	0.92	0.80	0.62	0.71	0.72	0.97	0.53	0.96	1.21	1.03	1.41	1.53	0.95
057	GUAYAMA	4.31	3.23	3.65	3.37	2.77	1.91	3.06	4.10	4.50	3.94	3.88	4.64	3.61
075	JUANA DIAZ	3.73	3.91	1.98	4.06	3.64	3.97	3.93	3.98	3.32	1.60	3.55	3.66	3.44
109	PATILLAS	0.08	0.12	0.09	0.07	0.02	0.00	0.00	0.00	0.00	0.02	0.04	0.09	0.04
055	PENUELAS	0.11	0.00	0.00	0.29	0.27	0.33	0.29	0.28	0.11	0.07	0.14	0.16	0.17
056	PONCE	4.47	4.54	4.55	4.97	4.91	5.31	5.29	4.87	2.39	2.28	4.70	4.81	4.42
123	SALINAS	21.65	17.96	17.90	17.27	15.43	14.12	22.98	24.41	28.42	18.75	24.88	23.09	20.57
133	SANTA ISABEL	22.12	10.54	16.65	16.49	17.44	18.63	22.14	24.46	22.98	20.58	20.64	20.53	19.43
	TOTAL:	60.90	45.36	49.33	48.30	48.24	50.56	61.64	65.89	66.39	48.52	64.60	64.16	56.15

Table 12. Withdrawals by Puerto Rico Electric Power Authority to supply irrigation network during 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
057	GUAYAMA	9.50	9.34	6.47	6.18	6.31	2.63	7.85	9.97	17.23	16.00	13.60	4.12	9.10
109	PATILLAS	14.42	30.54	37.27	30.26	26.56	15.13	29.11	37.19	42.03	23.27	26.92	27.69	28.36
115	QUEBRADILLAS	36.05	35.06	38.79	35.63	30.48	31.17	33.64	37.10	34.97	35.00	34.21	37.53	34.97
133	SANTA ISABEL	2.06	2.06	1.65	1.94	2.08	1.97	1.82	1.78	2.01	2.61	1.99	1.28	1.94
149	VILLALBA	23.14	34.80	35.02	23.33	24.25	10.13	45.21	43.45	39.03	30.24	39.03	7.15	29.56
153	YAUCO	28.23	29.23	26.92	29.24	21.95	19.08	36.70	47.81	57.71	27.25	53.64	44.57	35.19
	TOTAL:	113.40	141.03	146.12	126.58	111.63	80.11	154.33	177.30	192.98	134.37	169.39	122.34	139.13

MUNICIPIO CODE	MUNICIPIO	SYSTEM
057	GUAYAMA	RIO GUAMANI TO CANAL DE GUAMANI ESTE
		RIO GUAMANI TO CANAL DE GUAMANI OESTE
		LAGO MELANIA TO CANAL DE PATILLAS
109	PATILLAS	LAGO PATILLAS TO CANAL DE PATILLAS
115	QUEBRADILLAS	LAGO GUAJATACA TO CANAL DE IRRIGACION
133	SANTA ISABEL	LAGO COAMO TO CANAL LATERAL (078)
149	VILLALBA	LAGO GUAYABAL TO CANAL DE JUANA DIAZ
153	YAUCO	LAGO LOCO TO VALLE DE LAJAS VIA CANAL DE RIEGO DEL VALLE DE LAJAS

NOTE: NO DATA AVAILABLE FOR THESE SITES IN YAUCO:

1. DIVERSIONS FROM RIO YAUCO TO: CANAL MONSERRATE
   CANAL FLORIDA
   CANAL SAN RAFAEL
   CANAL MARIA
   CANAL SOCIEDAD
   CANAL CLEMENTE
   CANAL MARIA ANTONIA
2. DIVERSION FROM LAGO LOCO TO VALLE DE GUANICA VIA CANAL DE RIEGO DEL VALLE DE LAJAS AND GUANICA DIVERSION

Table 13. Withdrawals by Puerto Rico Electric Power Authority to supply irrigation network during 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
057	GUAYAMA	4.73	7.22	7.04	5.76	6.35	3.96	2.34	10.62	14.56	16.40	5.43	6.41	7.57
109	PATILLAS	20.40	15.94	17.66	19.34	19.24	10.43	16.61	17.45	16.40	15.35	16.62	17.24	16.89
115	QUEBRADILLAS	30.91	33.17	38.69	33.89	32.59	36.61	36.06	34.69	35.09	33.75	33.68	35.01	34.51
133	SANTA ISABEL	1.69	1.73	1.42	.48	1.20	.85	2.06	2.06	2.05	2.07	2.02	1.87	1.62
149	VILLALBA	36.80	41.08	30.97	15.74	6.66	10.03	28.11	35.81	25.01	26.89	5.51	4.12	22.23
153	YAUCO	22.29	32.24	25.55	21.18	17.87	26.94	39.11	24.81	22.16	15.35	15.32	15.35	23.18
	TOTAL:	116.82	131.38	121.33	96.39	83.91	88.82	124.29	125.44	115.27	109.81	78.58	80.00	106.00

MUNICIPIO CODE	MUNICIPIO	SYSTEM
057	GUAYAMA	RIO GUAMANI TO CANAL DE GUAMANI ESTE RIO GUAMANI TO CANAL DE GUAMANI OESTE LAGO MELANIA TO CANAL DE PATILLAS
109	PATILLAS	LAGO PATILLAS TO CANAL DE PATILLAS
115	QUEBRADILLAS	LAGO GUAJATACA TO CANAL DE IRRIGACION
133	SANTA ISABEL	LAGO COAMO TO CANAL LATERAL (078)
149	VILLALBA	LAGO GUAYABAL TO CANAL DE JUANA DIAZ
153	YAUCO	LAGO LOCO TO VALLE DE LAJAS VIA CANAL DE RIEGO DEL VALLE DE LAJAS

NOTE: NO DATA AVAILABLE FOR THESE SITES IN YAUCO:

1. DIVERSIONS FROM RIO YAUCO TO: CANAL MONSERRATE
   CANAL FLORIDA
   CANAL SAN RAFAEL
   CANAL MARIA
   CANAL SOCIEDAD
   CANAL CLEMENTE
   CANAL MARIA ANTONIA
2. DIVERSION FROM LAGO LOCO TO VALLE DE GUANICA VIA CANAL DE RIEGO DEL VALLE DE LAJAS AND GUANICA DIVERSION

Table 14. Withdrawals by Puerto Rico Electric Power Authority to supply irrigation network during 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
057	GUAYAMA	4.73	2.41	4.03	7.54	3.73	3.48	9.25	4.52	4.34	5.57	10.32	9.88	5.82
109	PATILLAS	11.67	12.45	17.45	21.51	11.77	6.08	8.83	7.15	7.50	9.67	8.26	9.67	11.00
115	QUEBRADILLAS	37.64	34.80	32.59	32.59	30.59	27.38	31.12	31.85	29.11	31.75	32.59	30.17	31.85
133	SANTA ISABEL	1.78	1.26	1.05	.54	.44	.17	.89	.90	1.61	1.88	2.04	2.06	1.22
149	VILLALBA	16.07	.00	25.50	26.67	1.48	17.26	18.88	9.83	8.02	41.74	32.72	20.00	18.18
153	YAUCO	19.03	26.89	20.40	21.07	12.62	18.68	19.24	17.77	13.25	12.30	11.41	7.78	16.70
	TOTAL:	90.92	77.81	101.02	109.92	60.63	73.05	88.21	72.02	63.83	102.91	97.34	79.56	84.77

MUNICIPIO CODE	MUNICIPIO	SYSTEM
057	GUAYAMA	RIO GUAMANI TO CANAL DE GUAMANI ESTE
		RIO GUAMANI TO CANAL DE GUAMANI OESTE
		LAGO MELANIA TO CANAL DE PATILLAS
109	PATILLAS	LAGO PATILLAS TO CANAL DE PATILLAS
115	QUEBRADILLAS	LAGO GUAJATACA TO CANAL DE IRRIGACION
133	SANTA ISABEL	LAGO COAMO TO CANAL LATERAL (078)
149	VILLALBA	LAGO GUAYABAL TO CANAL DE JUANA DIAZ
153	YAUCO	LAGO LOCO TO VALLE DE LAJAS VIA CANAL DE RIEGO DEL VALLE DE LAJAS

NOTE: NO DATA AVAILABLE FOR THESE SITES IN YAUCO:

1. DIVERSIONS FROM RIO YAUCO TO: CANAL MONSERRATE
   CANAL FLORIDA
   CANAL SAN RAFAEL
   CANAL MARIA
   CANAL SOCIEDAD
   CANAL CLEMENTE
   CANAL MARIA ANTONIA
2. DIVERSION FROM LAGO LOCO TO VALLE DE GUANICA VIA CANAL DE RIEGO DEL VALLE DE LAJAS AND GUANICA DIVERSION

Table 15. Deliveries to farms from Puerto Rico Electric Power Authority irrigation network during 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
005	AGUADILLA	0.95	0.67	0.95	0.76	0.32	0.11	0.11	0.53	0.76	0.42	1.41	0.63	0.64
015	ARROYO	.80	1.53	4.00	3.19	4.14	.68	1.96	5.36	5.77	4.05	3.87	4.19	3.30
055	GUANICA	6.69	7.68	8.13	9.94	6.92	4.79	10.47	12.73	14.42	9.30	13.40	14.04	9.88
057	GUAYAMA	12.64	22.25	23.97	5.02	17.87	7.37	17.45	24.86	30.13	17.63	22.16	16.07	18.12
071	ISABELA	1.26	1.12	1.68	1.30	.74	.33	.63	1.37	1.30	.84	2.82	1.89	1.27
075	JUANA DIAZ	14.68	17.33	16.59	11.28	13.69	12.71	20.83	18.32	14.73	23.43	17.79	7.35	15.73
079	LAJAS	16.26	14.47	12.99	12.48	9.33	7.69	20.40	12.49	31.53	12.79	30.82	22.63	16.99
099	MOCA	.32	.22	.42	.33	.11	.11	.11	.42	.43	.11	1.19	.32	.34
109	PATILLAS	.85	.73	.79	1.01	1.00	1.00	1.00	.37	1.04	1.26	1.34	1.37	.98
123	SALINAS	5.44	11.53	13.21	12.91	7.72	6.48	9.03	8.13	12.81	8.05	8.81	5.18	9.11
133	SANTA ISABEL	12.24	17.97	20.09	13.16	13.76	4.91	24.03	24.14	25.82	16.18	23.45	3.61	16.61
	TOTAL:	72.13	95.50	102.82	71.38	75.60	46.18	106.02	108.77	138.74	94.06	127.06	77.28	92.97

MUNICIPIO CODE	MUNICIPIO	SYSTEM
005	AGUADILLA	CANAL DE DIVERSION DE ISABELA
015	ARROYO	CANAL DE PATILLAS
055	GUANICA	CANAL DE RIEGO DEL VALLE DE LAJAS
057	GUAYAMA	CANAL DE GUAMANI ESTE
		CANAL DE GUAMANI OESTE
		CANAL DE PATILLAS
071	ISABELA	CANAL DE DIVERSION DE ISABELA
075	JUANA DIAZ	CANAL DE JUANA DIAZ
079	LAJAS	CANAL DE RIEGO DEL VALLE DE LAJAS
049	MOCA	CANAL DE DIVERSION DE ISABELA
109	PATILLAS	CANAL DE PATILLAS
123	SALINAS	CANAL DE JUANA DIAZ
		CANAL DE GUAMANI OESTE
		CANAL DE PATILLAS
133	SANTA ISABEL	CANAL DE JUANA DIAZ

Table 16. Deliveries to farms from Puerto Rico Electric Power Authority irrigation network during 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
005	AGUADILLA	7.25	7.33	10.83	8.04	8.09	9.45	9.46	8.62	8.69	8.41	7.93	9.04	8.60
015	ARROYO	1.69	.76	2.10	2.19	1.61	.86	11.25	.38	3.08	6.24	9.99	2.06	3.52
055	GUANICA	6.12	10.44	10.20	6.20	7.42	8.80	10.51	5.92	7.04	5.92	5.04	4.30	7.32
057	GUAYAMA	8.00	8.20	8.70	9.15	8.27	3.13	6.48	9.20	16.72	20.94	7.20	8.17	9.51
071	ISABELA	9.25	9.31	13.88	10.32	10.30	12.17	12.19	11.04	11.19	10.72	10.10	11.46	10.99
075	JUANA DIAZ	16.36	19.75	15.56	9.30	5.55	9.50	15.00	16.30	16.13	17.22	5.16	6.31	12.68
079	LAJAS	9.09	14.32	11.56	10.50	6.48	11.73	21.86	12.45	10.29	5.11	3.65	6.31	10.28
099	MOCA	.32	.35	.52	.32	.42	.43	.42	.42	.43	.42	.32	.42	.40
109	PATILLAS	1.17	.86	.52	1.03	.81	.51	.71	.77	.28	.32	.61	.77	.70
123	SALINAS	5.71	6.05	5.99	.57	.46	.32	2.22	5.14	12.66	13.22	.18	3.70	4.68
133	SANTA ISABEL	18.76	21.23	15.32	6.09	2.64	4.42	14.28	16.32	8.31	10.36	3.34	1.86	10.24
	TOTAL:	83.72	98.60	95.18	63.71	52.05	61.32	104.38	86.56	94.82	98.88	53.52	54.40	78.92

MUNICIPIO CODE	MUNICIPIO	SYSTEM
005	AGUADILLA	CANAL DE DIVERSION DE ISABELA
015	ARROYO	CANAL DE PATILLAS
055	GUANICA	CANAL DE RIEGO DEL VALLE DE LAJAS
057	GUAYAMA	CANAL DE GUAMANI ESTE
		CANAL DE GUAMANI OESTE
		CANAL DE PATILLAS
071	ISABELA	CANAL DE DIVERSION DE ISABELA
075	JUANA DIAZ	CANAL DE JUANA DIAZ
079	LAJAS	CANAL DE RIEGO DEL VALLE DE LAJAS
049	MOCA	CANAL DE DIVERSION DE ISABELA
109	PATILLAS	CANAL DE PATILLAS
123	SALINAS	CANAL DE JUANA DIAZ
		CANAL DE GUAMANI OESTE
		CANAL DE PATILLAS
133	SANTA ISABEL	CANAL DE JUANA DIAZ

Table 17. Deliveries to farms from Puerto Rico Electric Power Authority irrigation network during 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
005	AGUADILLA	9.67	7.91	8.41	7.60	6.83	5.00	7.25	6.83	5.65	7.25	7.06	6.52	7.16
015	ARROYO	.83	.48	.96	.81	.54	.14	.66	.81	1.04	.79	1.55	.95	.80
055	GUANICA	6.23	9.58	7.22	6.16	2.52	4.62	5.83	6.83	4.37	4.72	3.69	2.18	5.33
057	GUAYAMA	3.92	.90	7.51	9.78	3.27	.53	3.56	1.24	2.10	1.52	.99	2.20	3.13
071	ISABELA	12.40	10.13	10.72	9.67	8.72	6.30	9.36	8.72	7.28	9.25	9.02	8.41	9.16
075	JUANA DIAZ	9.49	6.94	13.52	11.74	5.11	11.94	10.83	9.29	15.82	19.47	17.82	8.92	11.74
079	LAJAS	7.53	12.04	8.58	9.62	4.79	6.89	7.96	2.48	3.68	1.80	1.80	1.01	5.68
099	MOCA	.42	.35	.42	.32	.32	.22	.32	.32	.22	.32	.32	.32	.32
109	PATILLAS	.44	.44	.48	.54	.58	.26	.49	.17	.35	.39	.66	.71	.46
123	SALINAS	2.38	.37	5.73	6.81	.38	.65	2.12	.00	.00	1.30	5.87	4.67	2.52
133	SANTA ISABEL	6.83	.00	13.27	9.30	.78	3.56	6.64	2.30	8.32	15.93	13.99	9.89	7.57
	TOTAL:	60.41	49.14	76.82	72.35	33.84	40.11	55.02	38.99	48.83	62.74	62.77	45.78	53.87

MUNICIPIO CODE	MUNICIPIO	SYSTEM
005	AGUADILLA	CANAL DE DIVERSION DE ISABELA
015	ARROYO	CANAL DE PATILLAS
055	GUANICA	CANAL DE RIEGO DEL VALLE DE LAJAS
057	GUAYAMA	CANAL DE GUAMANI ESTE
		CANAL DE GJAMANI OESTE
		CANAL DE PATILLAS
071	ISABELA	CANAL DE DIVERSION DE ISABELA
075	JUANA DIAZ	CANAL DE JUANA DIAZ
079	LAJAS	CANAL DE RIEGO DEL VALLE DE LAJAS
049	MOCA	CANAL DE DIVERSION DE ISABELA
109	PATILLAS	CANAL DE PATILLAS
123	SALINAS	CANAL DE JUANA DIAZ
		CANAL DE GUAMANI OESTE
		CANAL DE PATILLAS
133	SANTA ISABEL	CANAL DE JUANA DIAZ

Table 18. Instream water use for hydroelectric power generation during 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
013	ARECIBO	208.57	202.57	203.94	203.11	356.83	311.34	162.46	210.73	448.14	555.43	189.47	195.76	270.70
103	NAGUABO	---	---	---	---	---	---	---	.16	---	---	---	---	.01
107	OROCOVIS	1.26	1.26	1.49	.59	---	.83	.38	.52	.83	2.53	1.22	1.90	1.07
111	PENUELAS	5.63	8.85	3.73	5.27	3.76	5.45	3.61	8.25	3.91	10.32	4.95	6.12	5.82
141	UTUADO	55.21	64.10	55.86	24.18	27.27	61.26	22.44	56.59	89.10	138.00	69.55	46.78	59.20
149	VILLALBA	21.39	22.32	20.48	5.75	.17	5.55	4.32	5.61	5.87	13.03	8.22	10.55	10.26
153	YAUCO	36.67	72.20	36.48	33.06	65.66	92.90	35.10	75.31	51.57	121.21	55.45	21.92	58.13
	TOTAL:	328.73	371.30	321.98	271.96	453.69	477.33	228.31	357.17	599.42	840.52	328.86	283.03	405.19

--- OUT OF SERVICE

Table 19. Instream water use for hydroelectric power generation during 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
013	ARECIBO	211.73	158.76	200.90	191.30	286.90	214.12	276.17	307.40	401.94	529.53	549.90	437.13	313.82
103	NAGUABO	---	---	---	---	---	---	---	---	---	---	---	---	---
107	OROCOVIS	6.52	1.28	1.47	.32	.95	---	---	---	---	1.47	---	.74	1.06
111	PENUELAS	14.30	18.74	19.13	23.57	24.70	16.62	17.98	32.59	43.56	70.33	23.57	7.78	26.07
141	UTUADO	82.10	95.32	103.34	95.92	116.90	55.51	98.62	141.82	171.31	162.32	143.83	138.98	116.33
149	VILLALBA	12.30	3.96	4.84	4.45	12.30	5.32	3.47	2.84	.32	6.73	3.69	5.57	5.48
153	YAUCO	60.34	19.67	22.18	65.50	6.83	18.36	79.06	34.69	190.11	249.47	77.35	11.35	69.58
	TOTAL:	387.29	297.73	351.86	381.06	448.58	309.93	465.30	519.34	807.24	1019.85	798.34	601.55	532.34

--- OUT OF SERVICE

Table 20. Instream water use for hydroelectric power generation during 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
013	ARECIBO	186.71	185.41	115.85	121.89	217.72	130.36	145.08	103.34	316.01	170.10	319.92	199.64	184.34
103	NAGUABO	---	---	---	---	---	---	---	---	---	---	---	---	---
107	OROCOVIS	5.39	5.82	4.73	1.96	1.16	4.45	---	.10	2.17	4.10	4.56	4.31	3.23
111	PENUELAS	10.20	15.83	9.57	11.41	12.93	26.83	15.14	3.57	23.57	13.56	14.66	11.14	14.03
141	UTUADO	79.58	133.04	63.60	50.30	68.44	69.96	68.44	85.58	157.74	76.22	93.75	89.88	86.38
149	VILLALBA	5.15	5.82	5.78	4.89	4.42	7.60	4.62	4.94	6.95	9.46	7.39	8.41	6.28
153	YAUCO	15.87	12.69	15.14	81.58	106.08	56.05	35.85	16.40	64.31	85.89	66.59	.10	46.38
	TOTAL:	302.87	358.61	214.67	272.03	410.75	295.25	269.13	213.93	570.75	359.33	506.87	313.48	340.64

--- OUT OF SERVICE

Table 21. Saline surface water withdrawals for thermoelectric power generation (cooling) during 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
059	GUAYANILLA	565.73	546.22	565.73	565.73	565.73	565.73	565.73	565.73	565.73	565.73	565.73	565.73	564.10
061	GUAYNABO	405.00	417.00	438.00	242.00	263.00	242.00	268.00	219.00	273.00	280.00	284.00	289.00	301.67
123	SALINAS	318.08	340.00	318.08	491.58	318.08	328.67	475.72	318.08	328.67	318.08	328.67	318.08	350.15
137	TOA BAJA	347.63	335.57	363.44	433.12	325.01	323.84	323.79	342.91	373.47	256.39	574.81	451.65	370.97
	TOTAL:	1636.44	1638.79	1685.25	1732.43	1471.82	1460.24	1633.24	1445.72	1540.87	1420.20	1753.21	1624.46	1586.89

MUNICIPIO CODE	MUNICIPIO	FACILITY	INSTALLED CAPACITY IN KILOWATTS
059	GUAYANILLA	COSTA SUR	757,500
061	GUAYNABO	PUERTO NUEVO	648,500
123	SALINAS	AGUIRRE	1,047,000
137	TOA BAJA	PALO SECO	796,750

Table 22. Saline surface water withdrawals for thermoelectric power generation (cooling) during 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
059	GUAYANILLA	717.00	717.00	717.00	799.00	587.00	769.00	790.00	717.00	565.00	565.00	565.00	495.00	666.92
061	GUAYNABO	301.00	314.00	314.00	263.00	291.00	452.00	413.00	387.00	387.00	416.00	357.00	309.00	350.33
123	SALINAS	326.00	326.00	326.00	326.00	326.00	326.00	434.00	584.00	619.00	652.00	652.00	631.00	460.67
137	TOA BAJA	646.00	646.00	580.00	550.00	550.00	452.00	191.00	382.00	510.00	580.00	580.00	580.00	520.58
	TOTAL:	1990.00	2003.00	1937.00	1938.00	1754.00	1999.00	1828.00	2070.00	2081.00	2213.00	2154.00	2015.00	1998.50

MUNICIPIO CODE	MUNICIPIO	FACILITY	INSTALLED CAPACITY IN KILOWATTS
059	GUAYANILLA	COSTA SUR	1,073,000
061	GUAYNABO	PUERTO NUEVO	488,000
123	SALINAS	AGUIRRE	900,000
137	TOA BAJA	PALO SECO	597,000

Table 23. Saline surface water withdrawals for thermoelectric power generation (cooling) during 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
059	GUAYANILLA	686.00	712.00	522.00	824.00	823.00	774.00	843.00	865.00	828.00	841.00	804.00	765.00	773.92
061	GUAYNABO	313.00	262.00	460.00	424.00	359.00	287.00	290.00	280.00	282.00	280.00	294.00	318.00	320.75
123	SALINAS	610.00	646.00	580.00	554.00	557.00	393.00	373.00	326.00	326.00	326.00	326.00	326.00	445.25
137	TOA BAJA	580.00	580.00	580.00	417.00	417.00	503.00	395.00	395.00	425.00	488.00	452.00	277.00	459.08
	TOTAL:	2189.00	2200.00	2142.00	2219.00	2156.00	1957.00	1901.00	1866.00	1861.00	1935.00	1876.00	1686.00	1999.00

MUNICIPIO CODE	MUNICIPIO	FACILITY	INSTALLED CAPACITY IN KILOWATTS
059	GUAYANILLA	COSTA SUR	1,073,000
061	GUAYNABO	PUERTO NUEVO	488,000
123	SALINAS	AGUIRRE	900,000
137	TOA BAJA	PALO SECO	597,000

Table 24. Fresh ground water withdrawals for thermoelectric power generation during 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
061	GUAYANILLA	1.25	1.10	1.21	1.15	1.24	1.15	1.23	1.22	1.20	1.23	1.18	1.20	1.20
123	SALINAS	2.10	2.24	2.10	2.17	2.10	2.17	2.10	2.10	2.17	2.10	2.17	2.10	2.14
	TOTAL:	3.35	3.34	3.31	3.32	3.34	3.32	3.33	3.32	3.37	3.33	3.35	3.30	3.33

Table 25. Fresh ground water withdrawals for thermoelectric power generation during 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
061	GUAYANILLA	N/A	N/A	N/A	1.07	1.05	1.29	1.18	1.05	1.02	0.97	0.84	0.83	0.78
123	SALINAS	1.60	1.79	1.52	1.35	1.94	1.55	1.81	2.50	2.21	1.93	2.62	2.63	1.95
	TOTAL:	1.60	1.79	1.52	2.42	2.99	2.84	2.99	3.55	3.23	2.90	3.46	3.46	2.73

Table 26. Fresh ground water withdrawals for thermoelectric power generation for 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
061	GUAYANILLA	0.63	0.98	0.91	0.97	1.08	1.08	1.09	1.06	1.21	1.40	1.25	1.17	1.07
123	SALINAS	2.68	2.40	2.44	1.96	1.83	1.59	1.33	1.24	1.68	1.46	1.68	1.46	1.81
	TOTAL:	3.31	3.38	3.35	2.93	2.91	2.67	2.42	2.30	2.89	2.86	2.93	2.63	2.88

Table 27. Withdrawals from public water supplier for thermoelectric power generation during 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
061	GUAYNABO	1.05	0.94	1.19	1.02	1.01	1.05	1.10	1.97	1.05	1.27	1.17	1.05	1.16
137	TOA BAJA	.95	.92	1.43	1.41	.79	1.12	1.47	1.44	1.37	1.21	1.15	1.48	1.23
	TOTAL:	2.00	1.86	2.62	2.43	1.80	2.17	2.57	3.41	2.42	2.48	2.32	2.53	2.38

Table 28. Withdrawals from public water supplier for thermoelectric power generation during 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
061	GUAYNABO	0.88	0.83	0.81	0.84	0.87	0.77	0.88	0.86	0.98	0.64	0.63	0.57	0.80
137	TOA BAJA	1.00	.94	.92	1.00	.78	.92	.74	.64	1.14	.78	.70	.70	.86
	TOTAL:	1.88	1.77	1.73	1.84	1.65	1.69	1.62	1.50	2.12	1.42	1.33	1.27	1.66

Table 29. Withdrawals from public water supplier for thermoelectric power generation during 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL RATE
061	GUAYNABO	0.58	0.73	0.67	0.73	0.70	0.70	0.70	0.59	0.66	0.64	0.66	0.64	0.67
137	TOA BAJA	.79	.43	.59	.56	.52	.56	.46	.42	.52	.64	.52	.53	.54
	TOTAL:	1.37	1.16	1.26	1.29	1.22	1.26	1.16	1.01	1.18	1.28	1.18	1.17	1.21

Table 30. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1980, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
001	ADJUNTAS	855	DO	0.24	0.32	0.32	0.30	0.30	0.34	0.30
		97	CO	.02	* .07	.02	.02	.02	.02	.02
		1	IN	- -	- -	- -	- -	- -	- -	- -
003	AGUADA	1,262	DO	.24	.24	.32	.32	.28	.30	.28
		189	CO	.02	.04	.04	.04	.04	.04	.04
		2	IN	.03	.03	.03	.03	.02	.02	.03
005	AGUADILLA	6,234	DO	1.62	1.68	1.65	1.68	1.76	1.60	1.68
		600	CO	.10	.10	.10	.12	.12	.14	.12
		40	IN	.14	.16	.20	.14	.14	.16	.16
007	AGUAS BUENAS	779	DO	.18	.16	.18	.18	.18	.20	.18
		105	CO	.02	.02	.02	.02	.02	.02	.02
		7	IN	.04	.02	.02	.04	.04	.02	.03
009	AIBONITO	1,474	DO	.28	.26	.26	.28	.28	.28	.28
		164	CO	.02	.02	.02	.02	.02	.04	.02
		9	IN	.05	.05	.04	.02	.04	.03	.04
011	ANASCO	1,360	DO	.28	.28	.28	.32	.28	.28	.28
		120	CO	.02	.02	.02	.02	.02	.02	.02
		12	IN	.02	.02	.04	.06	.04	.04	.04
013	ARECIBO	9,344	DO	2.36	2.22	2.24	2.38	2.62	2.54	2.40
		872	CO	.25	.28	.28	.28	.36	.30	.30
		43	IN	* .30	.12	.22	.10	.16	.14	.15
015	ARROYO	1,827	DO	.40	.42	.44	.43	.42	.46	.42
		81	CO	.02	.02	.04	.04	.02	.02	.03
		7	IN	.04	.04	.04	.04	.02	.04	.04
017	BARCELONETA	898	DO	.20	.22	.22	.24	.24	.24	.22
		96	CO	.04	.02	.02	.02	.02	.02	.02
		22	IN	.02	.02	.02	.02	.02	.02	.02
019	BARRANQUITAS	524	DO	.12	.12	.10	.14	.14	.14	.13
		109	CO	.02	.02	.04	.02	.02	.02	.02
		0	IN	.00	.00	.00	.00	.00	.00	.00
021	BAYAMON	38,668	DO	9.90	9.78	10.04	10.16	9.98	10.14	10.00
		2,936	CO	1.28	1.18	1.56	1.20	1.62	1.62	1.40
		93	IN	* 3.84	.20	.24	.22	.22	.20	.22
023	CABO ROJO	2,788	DO	.40	.56	.54	.58	.56	.58	.54
		238	CO	.02	.04	.04	.04	.04	.04	.04
		19	IN	.04	.04	.04	.04	.02	.04	.04

Table 30. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
025	CAGUAS	21,904	DO	5.10	4.78	4.98	5.04	5.12	5.22	5.04
		1,321	CO	.40	.46	.68	.53	.44	.44	.50
		114	IN	.36	.38	.36	.40	* .61	.34	.36
027	CAMUY	1,060	DO	.24	.24	.24	.24	.26	.24	.24
		121	CO	.06	.06	.02	.02	.02	.02	.03
		12	IN	.02	.02	.04	.04	.04	.04	.04
029	CANOVANAS	802	DO	.20	.22	.18	.18	.18	.18	.19
		133	CO	.04	.04	.02	.02	.04	.04	.04
		0	IN	.00	.00	.00	.00	.00	.00	.00
031	CAROLINA	33,531	DO	7.88	7.80	8.02	7.94	7.60	8.06	7.88
		1,531	CO	1.98	1.68	2.20	1.86	1.82	2.36	1.98
		56	IN	.20	.18	.14	.16	.14	.14	.16
033	CATANO	4,457	DO	1.40	1.44	1.42	1.44	1.44	1.46	1.44
		227	CO	.10	.10	.10	.12	.12	.10	.10
		55	IN	.10	.18	.14	.16	.22	.22	.16
035	CAYEY	5,348	DO	1.00	.92	1.00	.94	1.00	.96	.96
		567	CO	.14	.14	.14	.12	.14	.16	.14
		17	IN	.10	.08	.10	.10	.10	.12	.10
037	CEIBA	1,431	DO	.32	.30	.28	.28	.32	.34	.30
		98	CO	.02	.02	.02	.02	.02	.02	.02
		4	IN	- -	- -	- -	- -	- -	* .09	- -
039	CIALES	594	DO	.14	.12	.14	.14	.12	.14	.14
		92	CO	.02	.02	.02	.02	.02	.02	.02
		9	IN	- -	- -	- -	- -	- -	- -	- -
041	CIDRA	1,431	DO	.26	.26	.32	.28	.28	.32	.28
		179	CO	.04	.04	.04	.04	.04	.04	.04
		14	IN	.02	.06	.06	.06	.04	.06	.05
043	COAMO	2,390	DO	.50	.50	.46	.50	.64	.58	.52
		208	CO	.04	.04	.04	.04	.04	.04	.04
		7	IN	- -	- -	- -	- -	- -	- -	- -
045	COMERIO	861	DO	.14	.16	.18	.18	.18	.20	.18
		99	CO	.02	.02	.02	.02	.02	.02	.02
		6	IN	.02	.04	.02	* .14	.06	.04	.04
047	COROZAL	1,419	DO	.30	.32	.32	.36	.34	.34	.32
		141	CO	.04	.04	.04	.04	.04	.04	.04
		7	IN	.04	.02	.04	.02	.02	.02	.02

Table 30. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
049	CULEBRA	0	DO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0	CO	.00	.00	.00	.00	.00	.00	.00
		0	IN	.00	.00	.00	.00	.00	.00	.00
051	DORADO	2,123	DO	.46	.48	.48	.52	.46	.60	.50
		153	CO	.08	.08	.10	.08	.06	.06	.08
		12	IN	.01	.01	.01	.01	.01	.01	.01
053	FAJARDO	6,650	DO	1.36	1.38	1.38	1.44	1.52	* 2.15	1.42
		590	CO	.16	.20	.18	.22	.20	.20	.20
		18	IN	.04	.04	.04	.04	.04	.04	.04
054	FLORIDA	543	DO	.10	.12	.12	.12	.12	.12	.12
		69	CO	.01	.01	.01	.01	.01	.01	.01
		1	IN	- -	- -	- -	- -	- -	- -	- -
055	GUANICA	1,189	DO	.28	.28	.28	.28	.28	.28	.28
		129	CO	.02	.02	.02	.02	.02	.02	.02
		7	IN	.02	.04	.02	.02	.02	.04	.02
057	GUAYAMA	5,185	DO	1.32	1.36	1.42	1.52	1.48	1.40	1.42
		352	CO	.10	.10	.14	.14	* .53	.10	.12
		15	IN	.01	.01	.02	.01	.01	.01	.01
059	GUAYANILLA	1,395	DO	.36	.38	.36	.38	.40	.23	.35
		110	CO	.02	.02	.02	.02	.02	.02	.02
		0	IN	.00	.00	.00	.00	.00	.00	.00
061	GUAYNABO	11,883	DO	3.56	3.68	3.92	3.60	3.98	4.00	3.80
		747	CO	1.14	.82	.96	1.14	1.06	.98	1.00
		35	IN	* .70	.44	.36	.40	.32	.32	.37
063	GURABO	1,550	DO	.28	.28	.36	.48	.40	.38	.36
		132	CO	.02	.02	.02	.04	.02	.04	.02
		4	IN	.03	- -	.01	.01	- -	.01	.01
065	HATILLO	814	DO	.20	.18	.18	.20	.20	.20	.20
		88	CO	.02	.02	.02	.02	.02	.02	.02
		5	IN	.01	.02	.02	.01	.02	- -	.02
067	HORMIGUEROS	1,581	DO	.36	.36	.32	.38	.34	.36	.36
		71	CO	.02	.02	.02	.02	.02	.02	.02
		8	IN	.04	- -	.02	.02	.02	- -	.02
069	HUMACAO	6,251	DO	1.30	1.34	1.46	1.50	1.48	1.44	1.42
		651	CO	.22	.24	.24	.26	.38	.28	.27
		22	IN	.02	.02	.06	.02	.02	.04	.03

Table 30. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
071	ISABELA	1,733	DO	0.40	0.38	0.38	0.36	0.40	0.34	0.38
		151	CO	.02	.02	.02	.02	.02	.02	.02
		2	IN	- -	- -	- -	- -	- -	- -	- -
073	JAYUYA	576	DO	.10	.14	.10	.18	.14	.10	.14
		102	CO	.02	.02	.02	.02	.02	.02	.02
		3	IN	.02	.02	.02	.02	.02	.02	.02
075	JUANA DIAZ	1,774	DO	.50	.46	.48	.50	.46	.50	.48
		104	CO	.04	.04	.02	.04	.02	.02	.03
		7	IN	.04	.04	.04	* .11	.04	.02	.04
077	JUNCOS	2,375	DO	.48	.44	.50	.52	.56	.54	.50
		258	CO	.06	.06	.06	.06	.06	.04	.06
		23	IN	.04	.04	.02	.02	.02	.04	.03
079	LAJAS	897	DO	.10	.18	.18	.18	.20	.20	.18
		90	CO	.02	.02	.02	.02	.02	.02	.02
		6	IN	.00	.02	.00	.00	.04	.02	.01
081	LARES	915	DO	.18	.20	.18	.20	.20	.20	.20
		154	CO	.02	.02	.02	.02	.02	.02	.02
		3	IN	- -	- -	- -	- -	- -	- -	- -
083	LAS MARIAS	166	DO	.02	* .08	.02	.02	.02	.02	.02
		30	CO	- -	- -	.02	- -	- -	- -	- -
		0	IN	- -	- -	- -	- -	- -	- -	- -
085	LAS PIEDRAS	1,574	DO	.26	.28	.30	.30	.32	.30	.30
		150	CO	.04	.02	.02	.02	.02	.02	.02
		12	IN	.00	.02	.02	.02	.02	.02	.02
087	LOIZA	2,601	DO	.54	.56	.54	.64	.58	.64	.58
		92	CO	.04	.02	.02	.04	.04	.04	.04
		0	IN	.00	.00	.00	.00	.00	.00	.00
089	LUQUILLO	2,953	DO	.46	.46	.44	.52	.46	.54	.48
		104	CO	.02	.02	.02	.02	.04	.04	.03
		16	IN	.04	.04	.04	.04	.06	.02	.04
091	MANATI	4,529	DO	.98	1.02	.96	.98	.94	.94	.96
		399	CO	.10	.10	.12	.10	.10	.10	.10
		34	IN	.02	.02	.02	.02	.04	.02	.02
093	MARICAO	201	DO	.08	.08	.08	.08	.08	.10	.08
		25	CO	- -	- -	- -	- -	- -	- -	- -
		4	IN	- -	.04	.02	.02	- -	.02	.02

Table 30. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
095	MAUNABO	759	DO	0.18	0.20	0.18	0.18	0.18	0.18	0.18
		63	CO	- -	- -	- -	- -	- -	- -	- -
		5	IN	.04	.02	.02	.02	.02	* .09	.02
097	MAYAGUEZ	15,465	DO	4.10	4.10	4.24	3.86	4.06	4.16	4.09
		1,765	CO	.64	.72	.74	* 1.10	.76	.78	.73
		64	IN	.70	.56	.52	.58	.62	.56	.58
099	MOCA	841	DO	.18	.16	.16	.16	.18	* .26	.16
		86	CO	.02	.02	.02	.02	.02	.02	.02
		4	IN	- -	- -	- -	- -	.01	.01	- -
101	MOROVIS	421	DO	.10	.06	* .26	.14	.08	.10	.08
		85	CO	.02	.02	.02	.02	.02	.02	.02
		2	IN	- -	- -	- -	- -	- -	- -	- -
103	NAGUABO	1,580	DO	.30	.32	.40	.34	.32	.32	.33
		137	CO	.02	.02	.02	.02	.02	.02	.02
		5	IN	- -	- -	- -	- -	- -	- -	- -
105	NARANJITO	474	DO	* .09	.18	.22	.18	.20	.20	.20
		86	CO	.02	.02	.02	.02	.02	.02	.02
		1	IN	- -	- -	- -	- -	- -	- -	- -
107	OROCOVIS	403	DO	.08	.06	.08	.06	.08	.08	.08
		64	CO	.02	.02	.02	.02	.02	.02	.02
		2	IN	- -	- -	- -	- -	- -	- -	- -
109	PATILLAS	764	DO	.27	.24	.22	.22	.22	.26	.24
		113	CO	.04	.02	.02	.02	.02	.04	.02
		3	IN	- -	- -	- -	- -	- -	- -	- -
111	PENUELAS	780	DO	.24	.22	.16	.17	.18	.18	.22
		94	CO	.02	.02	.02	.02	.02	.02	.02
		2	IN	- -	- -	- -	- -	.02	- -	- -
113	PONCE	32,726	DO	8.74	8.70	9.20	10.32	10.94	10.32	9.70
		1,914	CO	.96	.88	1.30	.94	* 4.45	1.58	1.12
		75	IN	.10	.12	.08	.08	.08	.08	.09
115	QUEBRADILLAS	733	DO	.14	.14	.14	.14	.14	.18	.14
		114	CO	.02	.02	.02	.02	.02	.02	.02
		7	IN	.02	.02	.06	.04	.04	.02	.04
117	RINCON	405	DO	.08	.08	.08	.08	.08	.08	.08
		54	CO	.01	.01	.01	.01	.01	.01	.01
		6	IN	.02	.02	.04	.05	.02	.02	.02

Table 30. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
119	RIO GRANDE	3,594	DO	0.82	0.84	0.76	0.84	0.76	0.84	0.81
		197	CO	.06	.06	.06	.06	.06	.06	.06
		11	IN	.04	.02	.02	.04	.02	.02	.03
121	SABANA GRANDE	2,503	DO	.44	.38	.34	.38	.36	.38	.38
		239	CO	.04	.03	.03	.03	.02	.03	.03
		10	IN	.01	.01	.01	.01	.01	.01	.01
123	SALINAS	1,962	DO	.46	.46	.50	.50	.52	.48	.48
		143	CO	.04	.04	.04	.04	.04	.04	.04
		8	IN	.02	.02	.02	.04	.02	.02	.02
125	SAN GERMAN	3,949	DO	.88	.72	.66	.78	.72	.78	.76
		448	CO	.18	.16	.14	.14	.18	.16	.16
		20	IN	.12	.12	.20	.18	.18	.18	.16
127	SAN JUAN	108,553	DO	33.46	36.46	34.72	33.64	33.22	35.68	34.54
		9,733	CO	8.78	9.44	10.22	8.96	8.86	7.94	8.98
		244	IN	1.66	1.52	1.32	1.30	1.96	1.90	1.60
129	SAN LORENZO	2,409	DO	.42	.42	.44	.46	.48	.48	.46
		211	CO	.02	.04	.04	.06	.04	.06	.04
		17	IN	.02	.02	.02	.04	.02	.02	.02
131	SAN SEBASTIAN	1,998	DO	.40	.42	.40	.40	* .24	.50	.42
		288	CO	.06	.06	.06	.06	.04	.06	.06
		5	IN	* .04	- -	- -	- -	- -	- -	- -
133	SANTA ISABEL	1,257	DO	.32	.28	.32	.34	.34	.34	.32
		76	CO	.01	.01	.01	.01	.02	.02	.01
		5	IN	- -	- -	- -	.01	.01	.01	- -
135	TOA ALTA	2,365	DO	.50	.44	.58	.54	.54	.54	.52
		104	CO	.02	.02	.02	.02	.02	.02	.02
		7	IN	.12	.10	* .28	.12	.14	.10	.12
137	TOA BAJA	12,625	DO	3.12	3.18	3.60	3.36	3.30	3.40	3.32
		521	CO	.16	.20	.20	.18	* .25	.14	.19
		16	IN	.04	.04	.04	.02	.02	.04	.04
139	TRUJILLO ALTO	1,360	DO	.46	.50	.42	.46	.52	.38	.46
		91	CO	.03	.04	.02	* .29	.02	.02	.04
		1	IN	- -	- -	- -	- -	- -	- -	- -
141	UTUADO	978	DO	.42	.40	.40	.42	.40	.42	.42
		267	CO	.06	.04	.04	.04	.04	.04	.04
		10	IN	- -	- -	- -	- -	- -	- -	- -

Table 30. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1980, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
143	VEGA ALTA	1,606	DO	0.40	0.42	0.40	0.42	0.44	0.38	0.40
		139	CO	.04	.02	.04	.04	.02	.04	.03
		9	IN	.01	.02	.02	.01	.01	.01	.01
145	VEGA BAJA	4,230	DO	.84	.90	.90	.90	.82	.90	.88
		298	CO	.06	.08	.08	.08	.08	.10	.08
		32	IN	.10	.10	.10	.14	.12	.12	.12
147	VIEQUES	471	DO	.08	.10	.14	.10	.10	.10	.10
		85	CO	.02	.04	.04	.02	.02	.02	.03
		3	IN	- -	- -	- -	- -	- -	- -	- -
149	VILLALBA	566	DO	.12	.12	.12	.14	.14	.18	.14
		53	CO	.02	.02	.02	.02	.02	.02	.02
		4	IN	.00	.02	.02	.02	.02	.02	.02
151	YABUCOA	1,735	DO	.34	.38	.42	* .78	.42	.44	.40
		156	CO	.04	.04	.02	.04	.04	.04	.04
		7	IN	.00	.02	.02	.00	.02	.00	.01
153	YAUCO	2,999	DO	.62	.66	.70	.70	.72	.80	.70
		346	CO	.08	.10	.10	.10	.10	.12	.10
		4	IN	- -	- -	.02	- -	- -	- -	- -
	TOTAL	411,210	DO	106.09	108.92	109.55	110.06	110.42	113.23	109.73
		33,050	CO	18.43	18.54	21.02	18.80	19.23	19.17	19.15
		1,382	IN	5.34	5.23	5.18	5.11	5.76	5.50	5.35

* VALUES WERE NOT CONSIDERED TO DETERMINE ANNUAL RATE DUE TO SIGNIFICANT VARIATION
- - VALUES LESS THAN 0.01 MILLION GALLONS PER DAY

Table 31. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1981, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
001	ADJUNTAS	1,023	DO	0.26	0.23	0.29	0.26	0.31	0.29	0.27
		102	CO	.03	.02	.02	.02	.02	.02	.02
		1	IN	- -	- -	- -	- -	- -	- -	- -
003	AGUADA	1,325	DO	.31	.26	.28	.28	.26	.27	.28
		186	CO	.05	.04	.04	.04	.04	.03	.04
		12	IN	.02	.03	.03	.02	.02	.03	.02
005	AGUADILLA	5,954	DO	1.78	1.57	1.59	1.64	1.54	1.56	1.61
		474	CO	.11	.10	.11	.10	.10	.13	.11
		38	IN	.26	.15	.14	* .50	.16	.16	.17
007	AGUAS BUENAS	816	DO	.21	.18	.18	.18	.19	.18	.18
		108	CO	.02	.02	.02	.02	.02	.02	.02
		7	IN	.05	.04	.03	.03	.06	.03	.04
009	AIBONITO	1,566	DO	.28	.26	.28	.27	.28	.28	.28
		168	CO	.03	.03	.03	.03	.03	.02	.03
		9	IN	.03	.03	.03	.03	.03	.03	.03
011	ANASCO	1,381	DO	.30	.27	.27	.28	.27	.23	.27
		126	CO	.02	.02	.02	.02	.02	.02	.02
		13	IN	.03	.04	.04	.04	.03	.04	.04
013	ARECIBO	9,532	DO	2.55	2.16	2.20	2.21	2.62	2.30	2.34
		921	CO	* .44	.28	.27	.28	.29	.29	.28
		44	IN	.18	.12	.16	.14	.19	.17	.16
015	ARROYO	1,879	DO	.45	.39	.43	.38	.42	.37	.41
		82	CO	.03	.04	.03	.03	.03	.03	.03
		8	IN	.04	.04	.04	.04	.04	.04	.04
017	BARCELONETA	904	DO	.25	.36	.24	.26	.30	.25	.28
		90	CO	.02	.02	.02	.02	.02	.01	.01
		23	IN	.01	.01	.01	.02	.01	.01	.01
019	BARRANQUITAS	689	DO	.13	.13	.13	.12	.14	.16	.14
		106	CO	.02	.02	.02	.02	.02	.02	.02
		0	IN	.00	.00	.00	.00	.00	.00	.00
021	BAYAMON	39,915	DO	10.13	9.64	9.79	9.61	10.89	9.79	9.98
		2,955	CO	1.15	1.16	1.10	1.09	1.31	1.10	1.15
		97	IN	.21	.18	.16	.26	.16	.30	.21
023	CABO ROJO	2,824	DO	.65	.54	.54	.58	.61	.55	.58
		233	CO	.05	.04	.04	.04	.04	.05	.04
		19	IN	.03	.03	.04	.03	.03	.02	.03

Table 31. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
025	CAGUAS	22,601	DO	5.63	5.00	5.07	4.85	5.07	5.09	5.12
		1,332	CO	.43	.40	.36	.36	.35	.38	.38
		142	IN	.35	.33	.32	* .63	.24	.34	.32
027	CAMUY	1,167	DO	.27	.29	.24	.24	.17	.22	.24
		124	CO	.03	.02	.03	.03	.02	.02	.02
		12	IN	.04	.04	.03	.03	.03	.03	.03
029	CANOVANAS	808	DO	.21	.18	.19	.18	.18	.19	.19
		133	CO	.06	.05	.04	.03	.04	.04	.04
		0	IN	.00	.00	.00	.00	.00	.00	.00
031	CAROLINA	34,044	DO	8.21	7.46	7.48	7.55	7.53	7.54	7.63
		1,531	CO	1.68	1.57	1.59	1.53	1.69	1.73	1.63
		57	IN	.14	.13	.14	.12	.12	.13	.13
033	CATANO	4,652	DO	1.58	1.28	1.25	1.27	1.23	1.66	1.38
		247	CO	.09	.09	.09	.09	.10	.09	.09
		90	IN	.21	.10	* .55	.16	* .60	.23	.18
035	CAYEY	5,346	DO	1.01	1.00	.95	.96	1.02	.95	.98
		571	CO	.14	.14	.13	.12	.16	.14	.14
		19	IN	.08	.09	.09	.08	.10	.09	.09
037	CEIBA	1,498	DO	.33	.31	.30	.30	.31	.31	.31
		91	CO	.02	.02	.04	.02	.02	.02	.02
		4	IN	.04	.01	.01	.02	* .07	.02	.02
039	CIALES	595	DO	.13	.12	.13	.17	.14	.14	.14
		93	CO	.02	.01	.01	.02	.01	.01	.01
		8	IN	- -	- -	- -	- -	- -	- -	- -
041	CIDRA	1,434	DO	.35	.26	.27	.27	.28	.28	.28
		181	CO	.04	.03	.03	.03	.04	.04	.04
		14	IN	.22	.31	.33	.11	.03	.05	.18
043	COAMO	2,812	DO	.52	.49	.50	.51	.48	.50	.50
		223	CO	.04	.04	.08	.04	.03	.04	.04
		8	IN	- -	- -	- -	- -	.01	.03	.01
045	COMERIO	870	DO	.22	.17	.17	.20	.18	.20	.19
		104	CO	.02	.04	.04	.02	.03	.03	.03
		6	IN	.03	.01	.01	.01	.01	.02	.02
047	COROZAL	1,553	DO	.39	.33	.31	.37	.33	.33	.34
		147	CO	.04	.04	.03	.04	.03	.03	.04
		9	IN	.02	.02	.02	.02	.03	.02	.02

Table 31. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
049	CULEBRA	0	DO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0	CO	.00	.00	.00	.00	.00	.00	.00
		0	IN	.00	.00	.00	.00	.00	.00	.00
051	DORADO	2,985	DO	.71	.65	.64	.72	.69	.72	.69
		190	CO	.09	.07	.09	.08	.08	.08	.08
		12	IN	.01	.01	.01	.01	.01	.01	.01
053	FAJARDO	6,905	DO	1.86	1.41	1.50	1.93	1.45	1.42	1.60
		575	CO	.17	.21	.19	.16	.16	.16	.18
		19	IN	.04	.04	.04	.04	.05	.04	.04
054	FLORIDA	701	DO	.15	.11	.14	.17	.17	.15	.15
		69	CO	.01	.01	.01	.01	.01	.01	.01
		1	IN	- -	- -	- -	- -	- -	- -	- -
055	GUANICA	1,184	DO	.31	.24	.26	.27	.26	.26	.27
		126	CO	.02	.02	.02	.02	.02	.02	.02
		7	IN	.02	.02	.03	.06	.04	.02	.03
057	GUAYAMA	5,289	DO	1.48	1.42	1.34	1.28	1.33	1.30	1.34
		361	CO	.10	.10	.13	.11	.11	.11	.11
		13	IN	.07	.02	.01	.01	.01	.01	.01
059	GUAYANILLA	1,535	DO	.43	.38	.42	.39	.39	.43	.41
		107	CO	.02	.02	.02	.02	.02	.02	.02
		1	IN	- -	.00	.00	- -	.00	.00	.00
061	GUAYNABO	12,433	DO	4.99	3.64	3.78	4.91	4.08	3.89	4.22
		720	CO	1.00	1.10	.93	1.26	.95	1.02	1.04
		35	IN	.35	.31	.32	.25	.26	.24	0.29
063	GURABO	1,636	DO	.41	.35	.36	.40	.34	.34	.37
		126	CO	.03	.03	.03	.03	.02	.02	.03
		4	IN	.01	.01	.01	.01	.01	.01	.01
065	HATILLO	913	DO	.21	.18	.21	.19	.16	.19	.19
		86	CO	.02	.02	.02	.02	.01	.02	.02
		5	IN	.01	.01	.01	.01	.01	.02	.01
067	HORMIGUEROS	1,666	DO	.36	.34	.34	.34	.35	.34	.34
		67	CO	.02	.01	.01	.01	.01	.01	.01
		8	IN	- -	.01	.01	.04	.02	.01	.02
069	HUMACAO	6,828	DO	1.69	1.37	1.47	1.71	1.61	1.67	1.59
		652	CO	.30	.25	.27	.37	.28	.29	.29
		27	IN	.03	.03	.03	.07	.03	.03	.03

Table 31. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
071	ISABELA	1,751	DO	0.38	0.34	0.34	0.35	0.35	0.33	0.35
		161	CO	.03	.02	.04	.03	.05	.03	.03
		1	IN	- -	- -	- -	- -	- -	- -	- -
073	JAYUYA	707	DO	.13	.11	.11	.12	.13	.13	.12
		106	CO	.02	.02	.02	.02	.02	.02	.02
		3	IN	.02	.02	.02	.02	.02	.02	.02
075	JUANA DIAZ	1,886	DO	.52	.46	.47	.49	.44	.44	.47
		112	CO	.03	.02	.02	.02	.02	.05	.03
		8	IN	.06	.05	.05	.04	.04	.04	.05
077	JUNCOS	2,384	DO	.59	.48	.55	.51	.48	.55	.53
		262	CO	.06	.05	.04	.04	.04	.06	.05
		23	IN	.04	.02	.02	.03	.03	.03	.03
079	LAJAS	900	DO	.21	.18	.19	.17	.17	.19	.18
		95	CO	.02	.02	.02	.01	.01	.02	.02
		5	IN	.01	.01	.01	.02	.01	.01	.01
081	LARES	964	DO	.16	.19	.20	.18	.19	.19	.18
		157	CO	.03	.03	.04	.03	.02	.02	.03
		3	IN	- -	- -	- -	- -	- -	- -	- -
083	LAS MARIAS	192	DO	.05	.04	.03	.03	.03	.04	.04
		28	CO	- -	- -	- -	- -	- -	- -	- -
		0	IN	- -	- -	- -	- -	- -	- -	- -
085	LAS PIEDRAS	1,607	DO	.34	.28	.30	.29	.29	.29	.30
		151	CO	.03	.02	.03	.05	.02	.03	.03
		13	IN	.01	.01	.02	.01	.03	.02	.02
087	LOIZA	2,791	DO	.67	.55	.69	.62	.61	.62	.63
		94	CO	.03	.02	.03	.03	.04	.03	.03
		0	IN	.00	.00	.00	.00	.00	.00	.00
089	LUQUILLO	3,100	DO	.51	.48	.60	.58	.48	.47	.52
		121	CO	.04	.03	.03	.03	.03	.03	.03
		18	IN	.05	.04	.05	.05	.05	.04	.05
091	MANATI	4,772	DO	.93	.88	.89	1.02	.92	.92	.93
		411	CO	.10	.10	.09	.10	.10	.10	.10
		30	IN	.02	.03	.03	.04	.03	.02	.03
093	MARICAO	197	DO	.09	.08	.07	.05	.05	.04	.06
		31	CO	- -	- -	- -	- -	- -	- -	- -
		4	IN	.02	.01	- -	- -	- -	- -	- -

Table 31. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
095	MAUNABO	720	DO	0.20	0.19	0.18	0.17	0.20	0.18	0.19
		71	CO	- -	.01	.01	.01	.01	.01	.01
		5	IN	.03	.03	.03	.03	.03	.03	.03
097	MAYAGUEZ	15,669	DO	4.35	3.95	3.99	4.27	4.03	3.86	4.08
		1,610	CO	.87	.72	.70	.72	.73	.69	.74
		61	IN	.54	.72	.87	.64	.48	.50	.62
099	MOCA	929	DO	.19	.17	.17	.18	.18	.16	.18
		101	CO	.02	.02	.02	.02	.02	.02	.02
		5	IN	.01	.01	.01	.01	.01	.01	.01
101	MOROVIS	416	DO	.09	.08	.08	.09	.09	.07	.08
		80	CO	.02	.01	.01	.01	.02	.02	.02
		2	IN	- -	- -	- -	- -	- -	- -	- -
103	NAGUABO	1,629	DO	.35	.29	.30	.32	.30	.31	.31
		143	CO	.03	.03	.03	.02	.02	.02	.02
		4	IN	- -	- -	.01	- -	- -	- -	- -
105	NARANJITO	560	DO	.19	.18	.19	.18	.20	.20	.19
		85	CO	* .04	.01	.01	.01	.01	.01	.01
		1	IN	- -	- -	- -	- -	- -	- -	- -
107	OROCOVIS	410	DO	.08	.07	.08	.07	.08	.08	.08
		64	CO	.01	.01	.01	.01	.01	.01	.01
		2	IN	- -	- -	- -	- -	- -	- -	- -
109	PATILLAS	788	DO	.26	.29	.20	.19	.23	.21	.23
		116	CO	.03	.02	.02	.03	.02	.02	.02
		3	IN	- -	- -	- -	- -	- -	- -	- -
111	PENUELAS	996	DO	.19	.19	.18	.21	.19	.19	.19
		103	CO	.02	.02	.02	.02	.03	.02	.02
		3	IN	- -	- -	- -	- -	- -	- -	- -
113	PONCE	33,828	DO	10.50	8.82	9.47	9.52	9.42	12.69	10.07
		1,961	CO	.91	.91	.88	1.21	.84	1.59	1.06
		73	IN	.20	.25	.15	.14	.13	.06	.16
115	QUEBRADILLAS	771	DO	.15	.15	.15	.14	.14	.17	.15
		122	CO	.02	.02	.02	.02	.02	.02	.02
		7	IN	.02	.04	.03	.05	.05	.07	.04
117	RINCON	431	DO	.09	.09	.08	.08	.09	.08	.08
		54	CO	.01	.01	.03	.01	.01	.01	.01
		6	IN	.01	.01	.01	.01	.02	.02	.01

Table 31. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
119	RIO GRANDE	4,044	DO	0.89	0.85	0.76	0.85	0.87	0.87	0.84
		195	CO	.06	.05	.05	.05	.06	.04	.05
		14	IN	.02	.02	.05	.02	.02	.04	.03
121	SABANA GRANDE	2,020	DO	.39	.36	.34	.35	.39	.40	.37
		190	CO	.03	.03	.03	.03	.03	.03	.03
		12	IN	.01	.01	.01	.02	.03	.03	.02
123	SALINAS	1,970	DO	.49	.45	.48	.50	.47	.55	.49
		142	CO	.04	.04	.04	.04	.04	.04	.04
		7	IN	.02	.02	.02	.02	.02	.02	.02
125	SAN GERMAN	3,534	DO	.73	.72	.66	.72	.79	.76	.73
		332	CO	.12	.16	.21	.18	.21	.24	.19
		24	IN	.16	.16	.15	.16	.15	.13	.15
127	SAN JUAN	109,543	DO	35.94	26.52	29.83	31.43	31.41	29.72	30.81
		9,877	CO	11.80	7.55	7.62	8.78	8.30	9.38	8.90
		216	IN	1.63	1.46	1.37	1.58	1.19	1.60	1.47
129	SAN LORENZO	2,519	DO	.51	.47	.51	.52	.48	.49	.50
		204	CO	.05	.04	.04	.04	.03	.03	.04
		18	IN	.02	.01	.02	.02	.02	.02	.02
131	SAN SEBASTIAN	2,101	DO	.45	.40	.42	.44	.40	.41	.42
		287	CO	.06	.05	.05	.05	.05	.06	.05
		5	IN	- -	- -	- -	- -	.01	- -	- -
133	SANTA ISABEL	1,279	DO	.30	.32	.32	.30	.29	.29	.30
		80	CO	.01	.02	.01	.02	.01	.01	.01
		6	IN	.01	- -	.01	.01	.01	.01	.01
135	TOA ALTA	2,581	DO	.59	.55	.53	.56	.57	.56	.56
		108	CO	.02	.02	.02	.02	.02	.03	.02
		7	IN	.20	.14	.08	.12	.15	.13	.14
137	TOA BAJA	13,037	DO	3.38	3.12	3.06	3.04	3.16	3.27	3.17
		508	CO	.38	.18	.16	* 1.07	.16	.15	.21
		19	IN	.06	.08	.03	.03	.03	.03	.04
139	TRUJILLO ALTO	1,475	DO	.78	.47	.57	.57	.60	.66	.61
		86	CO	.03	.02	.02	.02	.03	.02	.02
		1	IN	- -	- -	- -	- -	- -	- -	- -
141	UTUADO	2,021	DO	.43	.39	.38	.37	.39	.39	.39
		264	CO	.04	.04	.04	.04	.04	.04	.04
		10	IN	.01	.01	.01	.01	.01	.01	.01

Table 31. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1981, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
143	VEGA ALTA	1,838	DO	0.42	0.39	0.41	0.38	0.42	0.40	0.40
		142	CO	.04	.03	.03	.03	.03	.03	.03
		9	IN	- -	- -	- -	- -	- -	- -	- -
145	VEGA BAJA	4,544	DO	.90	.84	.89	.93	.92	.87	.89
		293	CO	.12	.06	.06	.07	.07	.07	.08
		32	IN	.13	.10	.11	.12	.12	.12	.12
147	VIEQUES	473	DO	.09	.10	.09	.09	.10	.11	.10
		99	CO	.02	.02	.02	.03	.02	.02	.02
		4	IN	- -	- -	- -	- -	- -	- -	- -
149	VILLALBA	691	DO	.20	.17	.16	.18	.16	.17	.17
		58	CO	.02	.02	.02	.02	.02	.02	.02
		3	IN	.01	.01	.01	.01	.01	.01	.01
151	YABUCOA	1,760	DO	.39	.37	.39	.38	.36	.40	.38
		158	CO	.03	.03	.03	.03	* .08	.04	.03
		6	IN	- -	- -	- -	- -	- -	- -	- -
153	YAUCO	3,368	DO	.85	.77	.78	.78	.76	.80	.79
		359	CO	.10	.08	.09	.09	.09	.09	.09
		4	IN	- -	- -	- -	- -	- -	- -	- -
	TOTAL	424,059	DO	117.70	98.77	103.63	107.47	107.41	107.88	107.15
		33,028	CO	21.51	16.64	16.57	18.33	17.46	19.24	18.26
		1,449	IN	5.79	5.44	5.46	5.34	4.69	5.20	5.32

* VALUES WERE NOT CONSIDERED TO DETERMINE ANNUAL RATE DUE TO SIGNIFICANT VARIATION
- - VALUES LESS THAN 0.01 MILLION GALLONS PER DAY

Table 32. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
001	ADJUNTAS	1,055	DO	0.31	0.33	0.28	0.33	* 0.56	0.22	0.29
		104	CO	.02	.02	.03	.02	.02	.02	.02
		1	IN	- -	- -	- -	- -	- -	- -	- -
003	AGUADA	1,383	DO	.30	.22	.24	.25	.25	.25	.25
		191	CO	.04	.03	.04	.03	.03	.03	.03
		10	IN	.02	.02	.02	.02	.02	.01	.02
005	AGUADILLA	5,989	DO	1.58	1.40	1.44	1.42	1.37	1.37	1.42
		479	CO	.13	.11	.12	.10	.10	.13	.12
		29	IN	.12	* .20	.11	.10	.07	.10	.10
007	AGUAS BUENAS	881	DO	.18	.17	.17	.18	.18	.19	.18
		109	CO	.03	.02	.02	.02	.02	.02	.02
		8	IN	.02	.03	.01	.02	.02	.01	.02
009	AIBONITO	1,592	DO	.27	.25	.24	.26	.25	.27	.26
		173	CO	.03	.02	.02	.03	.03	.03	.03
		9	IN	.03	.03	.02	.02	.03	.03	.03
011	ANASCO	1,431	DO	.26	.23	.24	.23	.24	.24	.24
		119	CO	.02	.02	.02	.02	.02	.02	.02
		13	IN	.04	.06	.04	.04	.04	.04	.04
013	ARECIBO	9,508	DO	2.45	2.12	2.06	2.07	2.06	1.94	2.12
		882	CO	.30	.30	.35	.24	.26	.36	.30
		48	IN	.14	.17	.13	.08	.06	.07	.11
015	ARROYO	2,105	DO	.41	.45	.45	.38	.41	.38	.43
		83	CO	.03	.02	.02	.02	.02	.02	.02
		9	IN	.04	* .08	.05	.03	.02	.02	.03
017	BARCELONETA	956	DO	.23	.21	.21	.21	.22	.19	.21
		103	CO	.02	.02	.02	.02	.02	.02	.02
		22	IN	.02	.01	.01	.01	.01	.01	.01
019	BARRANQUITAS	810	DO	.15	.15	.12	.13	.13	.15	.14
		103	CO	.02	.01	.01	.02	.02	.02	.02
		2	IN	.00	.00	.00	.00	.00	.00	- -
021	BAYAMON	41,160	DO	9.93	8.71	9.02	8.79	8.86	8.72	9.00
		2,964	CO	1.20	1.09	1.45	1.01	.99	.99	1.12
		98	IN	.16	.15	.17	.18	.19	.16	.17
023	CABO ROJO	2,849	DO	.58	.47	.55	.52	.55	.52	.53
		236	CO	.04	.03	.04	.03	.04	.03	.04
		20	IN	.02	.02	.02	.03	.04	.03	.03

Table 32. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
025	CAGUAS	22,781	DO	5.35	4.69	5.02	4.75	4.70	4.56	4.84
		1,342	CO	.39	.41	.37	.41	.38	.45	.40
		143	IN	.25	.23	.28	.19	.26	.22	.24
027	CAMUY	1,193	DO	* .13	.22	.20	.20	.21	.21	.21
		121	CO	- -	.03	.02	.02	.02	.02	.02
		12	IN	- -	.03	.03	.03	.03	.03	.02
029	CANOVANAS	793	DO	.19	.17	.18	.17	.13	.15	.16
		135	CO	.03	.04	.02	.04	.03	.03	.03
		1	IN	.00	- -	.01	.01	- -	- -	- -
031	CAROLINA	34,185	DO	7.91	6.82	7.34	6.87	7.13	6.98	7.18
		1,512	CO	1.69	1.61	* 2.45	1.48	1.46	1.50	1.55
		55	IN	.14	.17	.18	.11	.12	.10	.14
033	CATANO	4,633	DO	1.29	1.26	1.20	1.24	.97	1.25	1.20
		254	CO	* .40	.09	* .37	.11	.11	.09	.10
		81	IN	.24	.31	.28	.27	.24	.27	.27
035	CAYEY	5,580	DO	.96	.93	.90	.86	.93	.92	.92
		544	CO	.13	.13	.13	.11	.14	.12	.13
		19	IN	.09	.10	.11	.10	.14	.12	.11
037	CEIBA	1,612	DO	.37	.28	.34	.31	.29	.28	.31
		89	CO	.02	.02	.01	.02	.02	.02	.02
		10	IN	.06	.01	- -	.02	.02	.05	.03
039	CIALES	692	DO	.14	.11	.12	.17	.13	.12	.13
		88	CO	.02	.01	.01	.02	.02	.02	.02
		7	IN	.01	.01	.01	- -	- -	- -	- -
041	CIDRA	1,497	DO	.29	.24	.25	.25	.25	.24	.25
		172	CO	.04	.03	.03	.03	.03	.03	.03
		18	IN	.04	.04	.03	.03	.03	.04	.04
043	COAMO	2,656	DO	.62	.45	.48	.46	.45	.44	.48
		255	CO	.04	.03	.04	.03	.03	.03	.03
		9	IN	.01	- -	- -	- -	.01	.01	- -
045	COMERIO	874	DO	.18	.16	.16	.17	.18	.16	.17
		100	CO	.02	.02	.02	.02	.01	.01	.02
		6	IN	.02	.01	.01	.01	.01	.01	.01
047	COROZAL	1,659	DO	.41	.29	.35	.33	.32	.32	.34
		151	CO	.04	.03	.03	.03	.03	.03	.03
		9	IN	.02	.02	.02	.02	.02	.02	.02

Table 32. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
049	CULEBRA	0	DO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0	CO	.00	.00	.00	.00	.00	.00	.00
		0	IN	.00	.00	.00	.00	.00	.00	.00
051	DORADO	3,061	DO	.68	.77	.98	.74	.61	.58	.73
		180	CO	.07	.08	.05	.06	.06	.05	.06
		14	IN	.01	.01	.02	.01	- -	- -	.01
053	FAJARDO	7,178	DO	1.38	1.26	1.37	1.21	1.24	1.27	1.29
		560	CO	.17	.17	.16	.15	.14	.14	.16
		34	IN	.03	.03	.05	.05	.09	.10	.06
054	FLORIDA	726	DO	.18	.13	.14	.15	.13	.13	.14
		65	CO	.01	.01	.01	.01	.01	.01	.01
		1	IN	- -	- -	- -	- -	- -	- -	- -
055	GUANICA	1,261	DO	.28	.21	.27	.28	.22	.27	.26
		123	CO	.02	.02	.03	.02	.02	.02	.02
		9	IN	.02	.02	.02	.03	.02	.02	.02
057	GUAYAMA	5,398	DO	1.31	* .79	1.23	1.22	1.20	1.23	1.24
		364	CO	.11	.10	.11	.10	.11	.11	.11
		16	IN	.01	.01	.01	.01	.01	* .10	.01
059	GUAYANILLA	1,537	DO	.41	.38	.39	.37	.40	.34	.38
		105	CO	.02	.02	.02	.02	.02	.02	.02
		0	IN	.00	.00	.00	.00	.00	.00	.00
061	GUAYNABO	12,832	DO	4.36	3.99	4.74	3.78	3.70	4.01	4.10
		783	CO	.98	.95	.81	.81	.78	.82	.86
		34	IN	.23	.25	.26	.26	.23	.24	.24
063	GURABO	1,725	DO	.33	.33	.33	.37	.32	.33	.34
		125	CO	.03	.02	.02	.04	.03	.03	.03
		23	IN	.01	.01	.01	.01	.02	.02	.01
065	HATILLO	1,005	DO	.20	.17	.17	.18	.18	.18	.18
		79	CO	.02	.02	.02	.03	.02	.02	.02
		4	IN	.01	* .12	- -	.01	- -	- -	- -
067	HORMIGUEROS	1,716	DO	.36	.32	.33	.32	.32	.31	.33
		60	CO	.01	.01	.01	.01	.01	.01	.01
		8	IN	- -	.01	.02	.01	.01	.01	.01
069	HUMACAO	6,963	DO	1.56	1.56	1.47	1.43	1.49	1.48	1.50
		664	CO	.27	.27	.26	.25	.24	.24	.26
		44	IN	.08	.07	.08	.06	.06	.06	.07

Table 32. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
071	ISABELA	1,777	DO	0.33	0.34	0.30	0.33	0.32	0.33	0.32
		164	CO	.02	.03	.02	.02	.02	.03	.02
		1	IN	- -	- -	- -	- -	- -	- -	- -
073	JAYUYA	717	DO	.15	.11	.14	.13	.13	.12	.13
		114	CO	.02	.02	.02	.02	.02	.02	.02
		4	IN	.02	.02	.03	.01	- -	- -	.01
075	JUANA DIAZ	1,886	DO	.45	.44	.41	.45	.41	.44	.43
		115	CO	.03	.03	.03	.03	.02	.02	.03
		8	IN	.05	.04	.02	.02	.02	.02	.03
077	JUNCOS	2,372	DO	.51	.44	.49	.41	.40	.42	.44
		260	CO	.06	.04	.04	.04	.04	.04	.04
		26	IN	.05	.04	.05	.04	.06	.10	.06
079	LAJAS	910	DO	.19	.15	.17	.17	.17	.18	.17
		100	CO	.02	.02	.02	.01	.02	.02	.02
		5	IN	.01	.02	.01	- -	- -	- -	.01
081	LARES	1,024	DO	.20	.16	.20	.18	.20	.20	.19
		157	CO	.02	.02	.02	.02	.02	.02	.02
		4	IN	- -	- -	- -	- -	- -	- -	- -
083	LAS MARIAS	196	DO	.03	.03	.04	.03	.03	.04	.03
		28	CO	- -	- -	- -	- -	- -	- -	- -
		0	IN	.00	.00	.00	.00	.00	.00	.00
085	LAS PIEDRAS	1,716	DO	.32	.25	.33	* .03	.27	.29	.29
		145	CO	.03	.03	.02	.02	.02	.02	.02
		22	IN	* .11	.02	* .23	* .03	.08	.06	.05
087	LOIZA	3,083	DO	.66	.58	.62	.60	.58	.55	.60
		106	CO	.03	.04	.03	.03	.03	.04	.03
		0	IN	.00	.00	.00	.00	.00	.00	.00
089	LUQUILLO	3,151	DO	.68	.49	.44	.46	.43	.41	.48
		113	CO	.03	.03	.02	.02	.03	.03	.03
		31	IN	.06	.05	.05	.02	.02	.02	.04
091	MANATI	4,340	DO	.91	.90	.87	.83	.83	.86	.87
		423	CO	.14	* .48	.09	.09	.10	.18	.12
		31	IN	.03	.02	.02	.02	.02	.02	.02
093	MARICAO	199	DO	.05	.05	.05	.04	.04	.04	.04
		28	CO	.01	- -	- -	- -	- -	- -	- -
		4	IN	- -	- -	- -	- -	- -	- -	- -

Table 32. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
095	MAUNABO	712	DO	0.18	0.19	0.18	0.15	0.17	0.16	0.17
		76	CO	.01	.01	.01	.01	.01	.01	.01
		5	IN	.03	.03	.03	.03	.03	.03	.03
097	MAYAGUEZ	16,234	DO	3.84	3.35	3.68	3.68	3.61	3.67	3.64
		1,588	CO	.79	.56	.70	.59	.50	.55	.62
		57	IN	.45	.46	.44	.43	.46	.46	.45
099	MOCA	985	DO	.21	.17	.15	.15	.17	.15	.15
		104	CO	.02	.02	.04	.03	.03	.02	.03
		5	IN	.02	.02	.01	- -	- -	.01	.01
101	MOROVIS	484	DO	.08	.08	.08	.08	.09	.09	.08
		85	CO	.01	.01	.01	.01	.01	.01	.01
		2	IN	- -	- -	- -	- -	- -	- -	- -
103	NAGUABO	1,698	DO	.31	.40	.29	.27	.28	.30	.31
		141	CO	.02	.02	.02	.02	.02	.02	.02
		5	IN	- -	.01	- -	- -	- -	- -	- -
105	NARANJITO	564	DO	.24	.19	.19	.19	.18	.18	.20
		79	CO	.02	.01	.01	.02	.01	.01	.01
		1	IN	- -	- -	- -	- -	- -	- -	- -
107	OROCOVIS	406	DO	.07	.07	.06	.07	.08	.07	.07
		65	CO	.01	.01	.01	.01	.01	.01	.01
		3	IN	- -	- -	- -	- -	- -	- -	- -
109	PATILLAS	821	DO	.18	.20	.15	.19	.18	.18	.18
		117	CO	.02	.02	.02	.02	.02	.01	.02
		3	IN	- -	- -	- -	- -	* .15	.03	- -
111	PENUELAS	984	DO	.19	.21	.19	.19	.21	.18	.20
		101	CO	.02	.02	.02	.02	.02	.02	.02
		2	IN	.01	.01	- -	- -	- -	- -	- -
113	PONCE	33,884	DO	9.42	8.46	8.86	8.13	8.01	7.73	8.44
		1,930	CO	2.35	* 5.10	.89	* 3.27	.72	.68	1.16
		74	IN	.07	.10	.07	.05	.07	.06	.07
115	QUEBRADILLAS	773	DO	.16	.13	.16	.16	.16	.15	.15
		120	CO	.02	.02	.02	.02	.02	.02	.02
		9	IN	.05	.03	.09	.02	.01	- -	.04
117	RINCON	430	DO	.09	.12	.08	.08	.08	.08	.09
		54	CO	.01	.01	.01	.01	.01	.01	.01
		6	IN	.01	.01	.01	.01	.01	.01	.01

Table 32. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
119	RIO GRANDE	4,170	DO	0.93	0.93	0.81	0.76	0.76	0.75	0.82
		191	CO	.05	.05	.04	.04	.04	.04	.04
		25	IN	.03	.03	.03	.01	.02	.01	.02
121	SABANA GRANDE	2,125	DO	.37	.38	.35	.33	.45	.37	.38
		192	CO	.02	.03	.03	.02	.03	.02	.02
		12	IN	.03	.04	.04	.02	.02	.02	.03
123	SALINAS	1,945	DO	.47	.36	.28	.42	.40	.41	.39
		135	CO	.04	.03	.03	.03	.03	.03	.03
		7	IN	.02	.02	.02	.02	.02	.02	.02
125	SAN GERMAN	3,574	DO	.80	.74	.73	.67	.67	.70	.72
		315	CO	.17	.20	.19	.14	.15	.14	.16
		25	IN	.12	.16	.13	.17	.18	.16	.15
127	SAN JUAN	115,188	DO	34.50	29.60	29.62	30.12	30.99	28.70	30.59
		9,950	CO	8.53	8.13	8.54	7.22	6.92	7.97	7.88
		218	IN	1.53	1.04	1.29	1.15	1.14	1.11	1.21
129	SAN LORENZO	2,608	DO	.50	.43	.51	.42	.41	.40	.44
		202	CO	.03	.03	.03	.03	.04	.04	.03
		17	IN	.02	.02	.01	.01	.01	.01	.01
131	SAN SEBASTIAN	2,139	DO	.46	.43	.42	.36	.37	.40	.41
		280	CO	.06	.05	.05	.04	.04	.06	.05
		5	IN	- -	- -	- -	- -	.01	.01	- -
133	SANTA ISABEL	1,326	DO	.31	.26	.27	.24	.29	.27	.27
		81	CO	.01	.01	.01	.01	.01	.01	.01
		12	IN	.01	.01	.02	- -	- -	- -	.01
135	TOA ALTA	2,730	DO	.66	.57	.64	.64	.55	.54	.58
		106	CO	.02	.02	.02	.02	.02	.03	.02
		9	IN	.14	.13	.13	.11	.08	.07	.11
137	TOA BAJA	13,522	DO	3.14	2.98	3.01	3.63	2.90	3.43	3.18
		480	CO	.14	.14	.12	.14	.13	.17	.14
		14	IN	.04	.07	.04	.04	.04	.06	.05
139	TRUJILLO ALTO	1,565	DO	.63	.52	.53	.51	.55	.50	.54
		82	CO	.02	.02	.03	.02	.02	.02	.02
		1	IN	- -	- -	- -	- -	- -	- -	- -
141	UTUADO	2,104	DO	.41	.42	.37	.38	.39	.40	.40
		245	CO	.04	.03	.03	.03	.03	.03	.03
		6	IN	.01	* .84	- -	- -	- -	- -	- -

Table 32. Domestic, commercial, and industrial by-monthly return rates to public sewage treatment plants during 1982, in million gallons per day-Continued.

MUNICIPIO CODE	MUNICIPIO	CONNECTIONS	USE	J - F	M - A	M - J	J - A	S - O	N - D	ANNUAL RATE
143	VEGA ALTA	1,907	DO	0.40	0.43	0.39	0.40	0.42	0.41	0.40
		147	CO	.03	.03	.03	.03	.03	.03	.03
		9	IN	.01	.01	.01	.02	.02	.02	.02
145	VEGA BAJA	4,857	DO	.97	.85	.88	.85	.86	.86	.88
		309	CO	.12	.07	.12	.07	.07	.08	.09
		29	IN	.11	.11	.12	.12	.12	.05	.10
147	VIEQUES	487	DO	.10	.09	.10	.10	.11	.09	.10
		97	CO	.02	.03	.02	.02	.02	.01	.02
		2	IN	- -	- -	- -	- -	- -	- -	- -
149	VILLALBA	746	DO	.17	.16	.17	.16	.17	.16	.16
		58	CO	.02	.01	.01	.01	.02	.02	.02
		5	IN	.01	- -	.01	- -	- -	- -	- -
151	YABUCOA	1,795	DO	.36	.29	.42	.30	.29	.33	.33
		157	CO	.03	.03	.03	.03	.03	.03	.03
		7	IN	- -	- -	- -	- -	- -	- -	- -
153	YAUCO	3,548	DO	.82	.73	.71	.72	.79	.75	.75
		383	CO	.13	.09	.07	.08	.09	.07	.09
		7	IN	- -	* .35	.01	.01	.01	.01	.01
	TOTAL	437,458	DO	111.07	98.31	101.32	98.87	98.71	96.49	100.76
		33,040	CO	19.30	17.06	17.44	15.58	14.71	16.10	16.70
		1,544	IN	4.89	4.49	4.75	4.15	4.27	4.18	4.44

* VALUES WERE NOT CONSIDERED TO DETERMINE ANNUAL RATE DUE TO SIGNIFICANT VARIATION
- - VALUES LESS THAN 0.01 MILLION GALLONS PER DAY

Table 33. Public sewage treatment return flows during 1980 - 1982, in million gallons per day.

MUNICIPIO CODE	MUNICIPIO	1980	1981	1982	MUNICIPIO CODE	MUNICIPIO	1980	1981	1982
001	ADJUNTAS	0.36	0.32	0.35	077	JUNCOS	0.58	0.55	0.60
003	AGUADA	.18	.30	.40	079	LAJAS	.32	.28	.28
005	AGUADILLA	2.70	2.50	2.32	081	LARES	.32	.34	.30
007	AGUAS BUENAS	.28	.24	.25	083	LAS MARIAS	.05	.04	.06
009	AIBONITO	.35	.43	.48	085	LAS PIEDRAS	.39	.43	.48
011	ANASCO	.42	.43	.42	087	LOIZA	.25	.28	.30
013	ARECIBO	3.50	3.53	3.55	089	LUQUILLO	.65	.70	.74
015	ARROYO	.45	.46	.42	091	MANATI	2.10	1.92	2.18
017	BARCELONETA	1.90	2.78	3.82	093	MARICAO	.14	.12	.13
019	BARRANQUITAS	.18	.20	.22	095	MAUNABO	.24	.24	.22
021	BAYAMON	4.52	4.52	5.26	097	MAYAGUEZ	7.52	7.42	7.48
023	CABO ROJO	.66	.76	.92	099	MOCA	.24	.28	.36
025	CAGUAS	6.25	6.70	6.90	101	MOROVIS	.22	.20	.20
027	CAMUY	---	---	---	103	NAGUABO	.36	.41	.44
029	CANOVANAS	.96	.84	.88	105	NARANJITO	.22	.20	.23
031	CAROLINA	8.88	8.78	8.69	107	OROCOVIS	.28	.20	.28
033	CATANO	.12	.10	.10	109	PATILLAS	.32	.35	.34
035	CAYEY	1.00	1.25	1.35	111	PENUELAS	.24	.30	.33
037	CEIBA	.40	.42	.42	113	PONCE	10.15	10.40	10.80
039	CIALES	.24	.24	.22	115	QUEBRADILLAS	.20	.22	.25
041	CIDRA	.50	.51	.50	117	RINCON	.20	.20	.23
043	COAMO	.56	.72	.68	119	RIO GRANDE	.97	1.08	1.18
045	COMERIO	.24	.26	.22	121	SABANA GRANDE	.27	.45	.60
047	COROZAL	.46	.48	.55	123	SALINAS	.56	.52	.51
049	CULEBRA	---	---	---	125	SAN GERMAN	1.15	1.10	1.20
051	DORADO	1.06	1.14	1.18	127	SAN JUAN	59.00	60.00	57.50
053	FAJARDO	1.24	1.58	1.70	129	SAN LORENZO	.64	.68	.60
054	FLORIDA	.12	.16	.21	131	SAN SEBASTIAN	.51	.56	.60
055	GUANICA	.38	.41	.43	133	SANTA ISABEL	.22	.34	.42
057	GUAYAMA	1.70	1.70	1.70	135	TOA ALTA	.63	.68	.80
059	GUAYANILLA	.36	.42	.42	137	TOA BAJA	3.82	3.74	3.80
061	GUAYNABO	2.75	2.70	2.40	139	TRUJILLO ALTO	1.04	1.06	1.00
063	GURABO	.46	.47	.50	141	UTUADO	.68	.70	.70
065	HATILLO	.56	.59	.60	143	VEGA ALTA	.40	.46	.52
067	HORMIGUEROS	.26	.23	.26	145	VEGA BAJA	1.15	1.28	1.40
069	HUMACAO	1.36	1.56	2.26	147	VIEQUES	.15	.16	.16
071	ISABELA	.70	.76	.90	149	VILLALBA	.16	.20	.24
073	JAYUYA	.40	.35	.32	151	YABUCOA	.60	.55	.58
075	JUANA DIAZ	.23	.32	.30	153	YAUCO	.90	1.04	1.02
						TOTAL	144.53	148.84	151.16

--- NO TREATMENT PLANTS WITHIN THE MUNICIPIO BOUNDARY
NOTE: CAMUY IS SERVED BY THE HATILLO TREATMENT PLANT WHILE CULEBRA DISCHARGES RAW SEWAGE TO THE OCEAN.

SELECTED REFERENCES

Bullock, D.C., Pebbles, R.W., and Smith, H.H., 1980, Water usage patterns in the U.S. Virgin Islands: Technical Report No. 6, Caribbean Research Institute, College of the Virgin Islands, St. Thomas, U.S. Virgin Islands, 29 p.

Gómez-Gómez, F., Dacosta, R., and Orona, M., 1983, Estimated water use in Puerto Rico, 1980, Puerto Rico Department of Natural Resources Miscellaneous Map Series, 1 plate.

Kirk, J.R., Jarboe, J., Sanderson, E.W., Sasman, R.T., and Lonnquist, C., 1982, Water withdrawals in Illinois, 1980, Illinois State Water Survey Circular 152, 47 p.

Leach, S.D., 1978, Source, use, and disposition of water in Florida, 1975: U.S. Geological Survey Water-Resources Investigation 78-17.

Mann, W.B., IV, Moore, J.E., and Chase, E.B., 1982, A national water-use information program: U.S. Geological Survey Open-File Report 82-862, 18 p.

Murray, C.R., and Reeves, E.B., 1977, Estimated use of water in the United States in 1975: U.S. Geological Survey Circular 765, 39 p.

Solley, W.B., Chase, E.B., and Mann, W.B., IV, 1983, Estimated use of water in the United States in 1980: U.S. Geological Survey Circular 1001, 56 p.

U.S. Army Corps of Engineers, 1980, Island-wide water supply study for Puerto Rico: U.S. Army Corps of Engineers, Jacksonville District, FL.

U.S. Department of Commerce, Bureau of the Census, 1984, 1982 Census of Agriculture: Puerto Rico, AC82-A-52, 202 p.

U.S. Department of Commerce, Bureau of the Census, 1982, 1980 Census of Population and Housing: Puerto Rico, PHC80-V-53, 11 p.